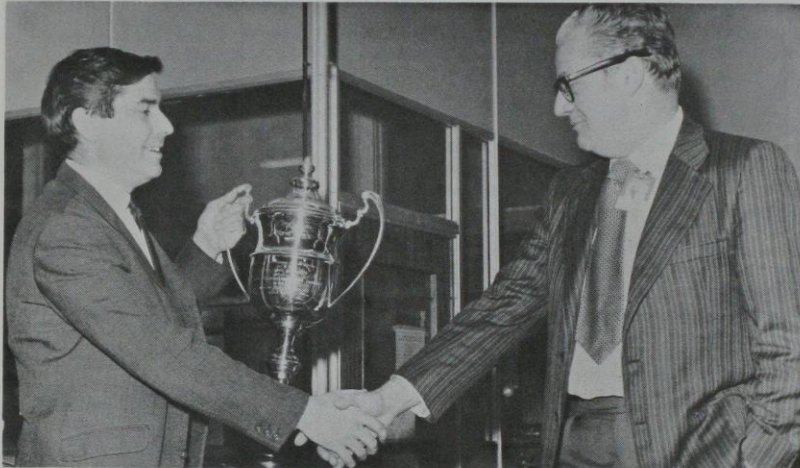
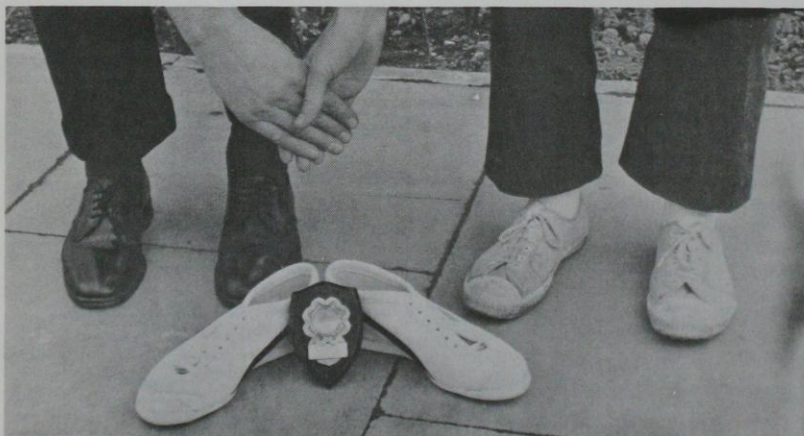


## CORSAIR TROPHY FARL



THE Vought Aeronautics Corporation's resident team in ADD have donated a magnificent silver cup, to be known as the Corsair Trophy, in recognition of the division's achievements in designing, developing and manufacturing the A-7 head-up display. The trophy will be presented annually to the

divisional department which, in ADD management's opinion, has contributed most to divisional objectives. The trophy was formally presented to Arthur Colwell, divisional manager (above), in the production area on March 16 by Richard Kimball, VAC team leader.



"Ah! There you are! We've got our priorities right this time, I see. A constructive interest in feet is healthy and can't be misunderstood. So allow me to congratulate you on your road-racing success, Michael!"

"Thanks Jim; and I take it the new shoes are for future deeds, the shield is for putting up". For the other end of this story, turn to middle pages.

## Shows Off

**R**ESearch tends to be a mysterious business, but EFA's Flight Automation Research Laboratory tries not to hide too much, even though it is located down in New Road.

During March, FARL held a one-day open house so that EFA engineers could take a broader look at some of the developments now in hand. Despite advance publicity, only a few visitors had arrived by mid-morning and things were still a little slow by lunch-time. But the word must have spread during the day and at least 50 people were there at closing time.

There was certainly a lot to see at FARL. Besides the better known attractions of special television displays, in colour and black and white, and some more head-up display work, FARL is looking at new ways of making black boxes, ways of assembling electronic circuits, transistors that light up and glass fibre ropes that can carry information in the form of pulses of light. Many of the projects are related to digital electronics and FARL's computer was kept busy with demonstrations.

The main objective of the open day was to generate direct contact with EFA divisions on a wider front than before. Don Price, FARL's Technical Manager, reports that good results are already evident.

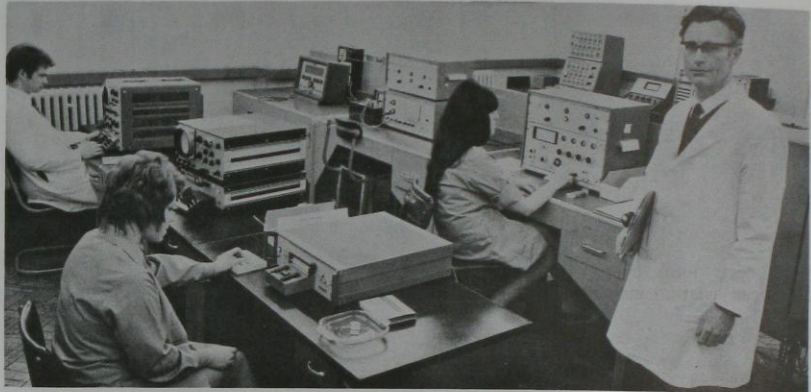
# CQ Millionaires

**W**ELL over 1,000,000 components tested is the record of Ron Hawkins and his five assistants in the first year of operating the "Goods Inwards" Component Test Section in CQD. Throughput of components being checked as they arrive from suppliers has steadily increased and next year should see an even larger total.

Ron Hawkins has been associated with the section since its small beginnings as a component evaluation and failure analysis facility of the Environmental Test Laboratory. Working with him are Martyn Nash, Jo Dwane, Lynn Wallington, Ann Hayes and Marie Hughes.

The components tested vary from the simplest resistors to highly complicated integrated circuits and a whole library of specifications, source control drawings and manufacturers' information, have to be consulted in order to obtain measurement details.

*The object of this testing is to "weed out" faulty or incorrect components before they can be incorporated into equipment. It is time consuming and expensive to trace them once they have been put among hundreds of others in a unit. For EFA production, parts must be correct and must work*



Ron Hawkins pictured with three of his five assistants. Martyn Nash, testing diodes, Ann Hayes testing integrated circuits and Marie Hughes measuring resistors. (Picture by Peter Tromp).

*correctly to the requirements of the contract involved.*

This kind of testing used to be done by individual divisions, but the test equipment has become more complex and costly and a central department has become necessary.

The picture shows some of the measuring equipment, ranging from high-speed machines, usually used by component manufacturers, to very accurate instruments like the Wheatstone Bridge which, apart from those in the Electrical Standards Laboratory, is the best in EFA.

The component Test Section is located in the CQD building in the Flying School and, together with the Environmental Test Laboratory, Electrical Standards Laboratory and Mechanical Standards Laboratory, forms the Test Group of the division.



## Salesman's Lament



*A while back, my job was quite simple.  
All our business was in the UK.  
So I wandered along to see MINTECH  
Just to hear what they had to say.  
Occasionally I flew up to Warton,  
And sometimes I saw MoD.  
Once in a while I was daring  
And went down to see RAE.*

*But now we have gone international  
Life is not simple for me.  
I've a meeting in Munich at breakfast,  
And another in Rome before tea.  
I then have to go to Seattle,  
Taking Tokyo of course on the way,  
Spend the morning talking to Boeing  
And then beatle down to L.A.*

*From there I go over to Dallas:  
And then I find to my cost  
That because I changed flights rather quickly  
All of my luggage is lost.  
At last my business is over  
And I take a flight to Heathrow,  
But the aircraft's directed to Prestwick  
Because of an airport go-slow.*

*My expenses are all in a tiz woz.  
They will cost me long hours of toil.  
I need an accountant's assistance  
To help satisfy Tony Knoyle.  
When I'm finally back in my office  
My boss calls me in to explain  
That I should have flown straight onto Munich  
To start the whole circuit again.*

## One Way To Spend Easter

**INSTEAD** of wasting away your Easter break this year redecorating the lounge or taking your kids to the zoo, why not try your luck on the end of a rope?

The climbing club will be organising a trip to Wales or Dorset which could mean the end of all your troubles. For the less adventurous a day trip will be organised to Tunbridge Wells.

Interested. Contact Ray Dennis, FARL, Midway 44433, ext. 32.



Eric Tranter (EACV) abseiling in Wales

[www.rochesteravionicarchives.co.uk](http://www.rochesteravionicarchives.co.uk)

# TECHNOLOGY NOTE

THE news item below appeared in the American aviation magazine *Aviation Week* on February 22. It is reassuring to see that the problems of development are universal.

## "HAIRCUTS NEXT?"

"Houston — Technology finally caught up with a space-age-old problem during the Apollo 14 mission — how to dry shave in zero-g without the clipped whiskers floating about the spacecraft.

"The Apollo 14 crew did it with a wind-up spring-driven \$20 razor made in Monaco and distributed by Haverhill's of San Francisco. The shaver, which may be used during the Skylab program when astronauts will spend up to 56 days in earth orbit, is designed so that cut whiskers are drawn into the razor head.

"More than \$28,000 was expended by NASA to develop an electric razor that would vacuum trap loose whiskers. However, no flight model was ever used on a space mission.

"Astronaut John Young first solved the shaving problem during the Apollo 10 flight in 1969 by using an ordinary safety razor and shaving cream at a total cost of under \$3."

# INS AND OUTS OF CRICKET

**S**MALL boy was attempting to explain cricket to an American visitor. This is how he did it.

"It's quite simple. You have two sides, one out in the field and one in. Each man on the side that's in goes out and when he is out he comes in and the next man goes in until he is out. When they are all out, the side that's been in the field comes in, and the side that's been in goes out and tries to get out those coming in. Sometimes you get men still in and not out. Then when both sides have been in and out — including not outs — that's the end of the game. Now do you see?"



THIS is what our front page feet were getting down to! Michael Beaumont, fastest apprentice in Elliott Athletics Club championships in February, won a new pair of racing shoes and a shield. Here, Len Murphy (ADD) presents the shield and Mark Lambert, Public Relations Executive, presents the shoes on behalf of EFA News. (Pictures by Peter Tromp).

# NEW LOOK CINE SECTION....

... Roy Aldridge (ISD), chairman of the Elliott Photographic Society, has new ideas to promote interest in the cine section.

A new go-ahead committee has been formed with the aim of helping amateurs to make better home movies of their families,

holidays or even baby's first steps by making better use of their equipment. There will be advice for the more advanced, a chance to make their movies more interesting by adding sound to their presentations and also, help in obtaining films and equipment at reduced prices.

*Interested? the first meeting was held on March 24 in the Lecture room in Tower 1. Future meetings will be on alternate Wednesdays at 7.30 pm. Why not come along?*

# Letter to the Editor

Dear Sir,

*I do not cavil at the presentation of the last IND tie to a 'foreigner' from FCD. His entry in the Steaming Tomato competition was worthy, witty and ingenious.*

However, your quotation (in the March issue) of my own entry as 'curved lightning' does less than justice to my personal worth, wit and ingenuity — to say nothing of the hours of Elliott's time that were spent in consultation and composition. What has happened to the EFA NEWS? Where, now, is your reputation for accuracy, once second to none in British Journalism?

Dammit Sir! My entry was not 'curved lightning' but 'curved lightning defying tradition', a worthy, witty and ingenious (but apparently too well concealed) reference to the tradition that lightning does not strike twice in the same place.

Yours faithfully,

G.L.R. Bradley, (IND).

# Athletics next month

Elliott Athletic Club will be competing in the following events during the coming month:

**April 3**

Plessey Co. road relay, 4 x 3¼ miles at Ilford.

**April 10**

Worthing road relay, 6 x 2½ miles at Worthing.

**April 17**

6 miles road relay at Canterbury.

**April 24**

London Transport road relay, 4 x 2½ miles at Acton.

The club will be competing for the Plessey Silver Challenge Bowl on Saturday 3 April, 1971 at Ilford. The coach will leave the factory car park at 12.35 pm. "If we win and break the course record we have been promised a barrel of beer to quench our thirst" said Len Murphy (ADD).

# GOODBYE JOHN

**T**UESDAY, March 8 was a day of goodbyes for John Smith, when no fewer than 50 of his friends in ADD held a farewell party in his honour at the Elliott club house. John is retiring now, possibly to California.

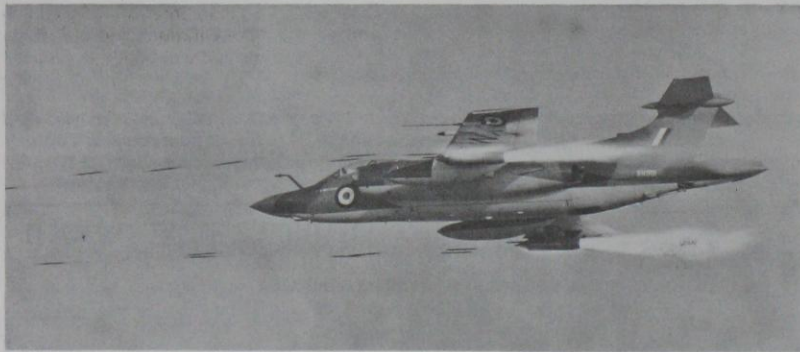
*For the past three years, John has been a member of the Vought Aeronautics Corporation procurement and sub contracting team with EFA and has made many friends here.*

John is not a born Texan. He was born in Fifeshire, Scotland, and started out as a professional footballer in the late 20's, and played alongside Matt Busby for Blackburn Rovers. It was when he broke a leg and thought that his football career was over, that he moved to the USA. There he met and married his wife Annie, who had also come from Scotland. John has been almost 20 years with LTV and was manager of its West Coast Office in California before coming to EFA.

He has always actively supported soccer, even in the USA, and for many years has run soccer clubs there. He also played a direct part in organising Manchester United's tour of the USA.



Before returning to the USA, Mr and Mrs John Smith were presented with a tankard and stainless steel coffee set by their friends in ADD. They are pictured here receiving the tankard from Mr A.J. Harrison (EFA).



The RAF is now forming squadrons of Buccaneers, starting with the new aircraft for which EFA has recently been delivering equipment. This remarkable picture of a salvo of rockets being fired over the sea was taken by Flight International's photographer Tom Hamill. The Buccaneer is from No. 12 Squadron based at Honington, Suffolk. The Buccaneer pioneered the use of head-up display in the early 1960's, and is also fitted with Elliott autopilot, air data computer and other items.

## MAKE a DATE

ELLIOTT SOCIAL CLUB'S annual general meeting will be held in the Main Canteen at 5.15 pm on April 14.

All members are invited to attend. Please watch Social Club notice boards for further details.



NO, it's not the moon! This was how FCD photographer Peter Tromp saw the partly eclipsed sun over the factory during the morning of February 25. It would still have been much too bright to photograph had it not been for the passing layer of thin cloud.

Published by Elliott Flight Automation Ltd Printed by AS&RD PL1349

# More Euchre Drives

**E**UCHRE drives held on previous occasions at the club house have proved so popular that a new series of competitions is being organised in the very near future. Watch notice boards for the date.

The competition starts at 8.00 pm and a charge of 10 new pence will be made at the door. All entry fees will be returned in prizes, so the more players attend, the greater the value of the prizes.

*A Euchre Drive is a card game in which each player is dealt 5 cards, and the player or side that makes the trumps must take 3 tricks to win.*

Further details from Peter Millgate, Model Shop, or Bert Snoswell, Fisher Tool Room.

# Congratulations...

. . . . to Mick Wootten, Planning Engineer, CMS, and his wife Maureen on the birth of their baby daughter, Andrea Louise . . . .

. . . . and to Alan Parkin, Budget and Cost Officer, CMS, and his wife June, (formerly a secretary in EFA), proud parents of a son, Andrew David.

Both babies were born in Elizabeth Ward, All Saints Hospital on March 1. How's that for planning and budgetting by CMS?