1968 1969 1970 1971
THE QUEEN'S AWARD TO INDUSTRY

EFA NEWS

No 24 June 1971

These components of NAVWAS were specially photographed in front of the Jaguar S.07 prototype in which the system is now flying

Another FIRST FLIGHT

MAY was a month of "firsts" for EFA. On the 13th Concorde made its first automatic landing, and on the 18th, Jaguar S.07 prototype made its first flight equipped with the navigation and weapon aiming system (NAVWAS) produced by IND. The system has, of course, been flying in other types of aircraft for some time, but this first flight in a Jaguar is a worthwhile milestone. Dick Baxter, Derek Lyons and others from IND, and Rex Ayers and others from ISD have been working hard towards this day.

Once again, the news brought EFA people onto Radio Medway. John Keeble, Jaguar Project Manager, and Geoff Rands, IND Sales Manager, made a noble effort to tell the people of the Medway towns in everyday terms about digital inertial navigation systems.

The Jaguar NAVWAS is becoming one of EFA's biggest production programmes and offers a prospect of secure employment to many people for a number of years. EFA won the order because NAVWAS was more advanced than anything else available. It is still unique in Europe and promises to give Jaguar a better navigation and weapon aiming accuracy than any of its rivals.

GOOD HEAVENS WHATEVER NEXT

A recent quality control report from Lockheed Georgia to EFA referred to "a case of errotic operation of EMAC Serial No. 0077" which was corrected by US Air Force shop personnel.

"No, no!" says Dick Lewis, FCD C-5 project manager, "We told them EMAC was the greatest thing *since* sex."

Don't forget!

The Elliott Rochester Fete on July 10, at the company sports ground in Featherby Road.

With many competitions and a packed programme of events, the afternoon promises to be a great success.

Entry forms for the dog show can be collected from Jim Collins.

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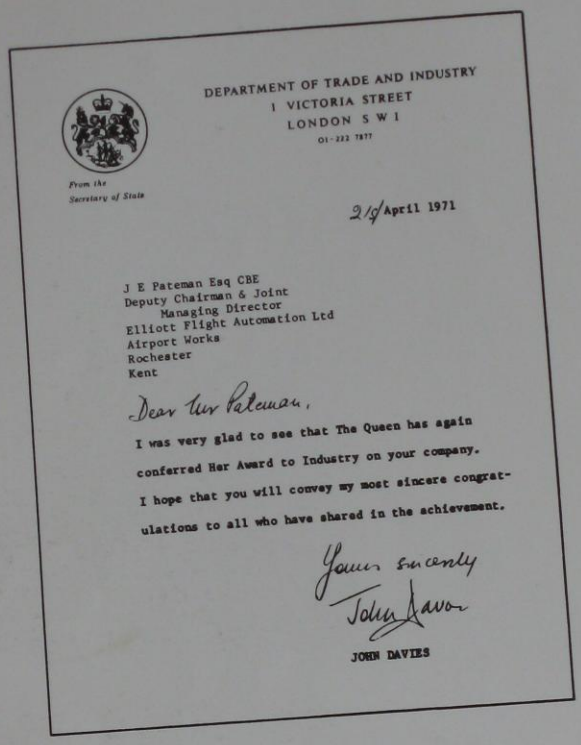
One of many



DEPARTMENT OF TRADE AND INDUSTRY
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From the Secretary of State

21st April 1971

J E Pateman Esq CBE
Deputy Chairman & Joint
Managing Director
Elliott Flight Automation Ltd
Airport Works
Rochester
Kent

Dear Mr Pateman,

I was very glad to see that The Queen has again conferred Her Award to Industry on your company.

I hope that you will convey my most sincere congratulations to all who have shared in the achievement.

Yours sincerely
John Davies

JOHN DAVIES

EFA's fourth Queen's Award brought many letters of congratulations. This is the message from the Rt. Hon. John Davies, Secretary of State, Department of Trade and Industry.

HOT FROM PARIS

As we closed for press the 29th Paris Air Show was more than half-way over and the air had turned hot, humid and dusty.

The four-man EFA stand-manning team and the two Freds, Haskett and Pacey, Pauline Gladwish and Norma Crick running the chalet were bearing up well. More than 300,000 people had visited the show by the end of the first week.

We were there for the first time under the banner of Marconi-Elliott Avionic Systems, making the most of our size and strength. Most impressive exhibit in the Stand was once again the working installation of head-up, projected map and television head-down displays, which drew a steady little crowd.

The show was also the occasion for announcing FCD's **ITEM** integrated test and maintenance computer for Concorde and ACD's DEC-3 digital engine control computer.

We can draw considerable satisfaction from the fact that the under carriage cross-wind and steering control of the huge C-5 Galaxy was emphasized by Lockheed in their publicity as the giant aircraft flew past over the exhibition. Vought Aeronautics Company loudly praised the EFA head-up display in the A-7 Corsair, which was also flying at the show. Chief test pilot John Konrad called it, "the first completely satisfactory head-up display flying in a combat aircraft".

André Turcat, France's chief Concorde test pilot, stated that automatic landing (with the Elliott/SFENA autopilot system) was now routine at Toulouse.

ATHLETICS NEXT MONTH

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

JUNE 12
Medway Athletic Club trophy meeting at the United Service Grounds, Chatham.

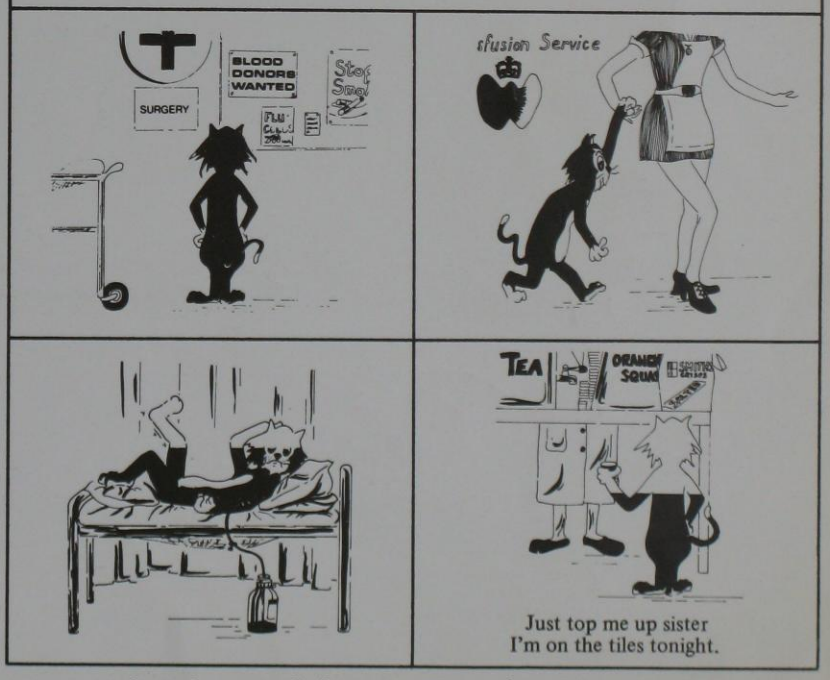
JUNE 17
Road relay at Nonington College starting at 7 p.m.

JUNE 19
Inter-Divisional sports day at Featherby Road, Gillingham.

Further details from Len Murphy, ADD, on Internal 361.

OUR ELLI-CAT

Briab.



Just top me up sister
I'm on the tiles tonight.

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CONCORDE'S HANDS - OFF LANDING

ANOTHER important milestone was passed on May 13 when French-built Concorde 001 made its first fully automatic landing at Toulouse. It was controlled, of course, by FCD's autopilot system. Two more automatic landings on the following day confirmed the achievement.

Radio Medway made quite a feature of the event that evening, announcing the success of our "magic black boxes" and broadcasting an interview with Dave Clews, Concorde Project Manager.

On November 4 last year it was the autopilot which flew Concorde 001 for the first time to Mach 2, twice the speed of sound. Now the system has completed the performance cycle by making automatic landings.

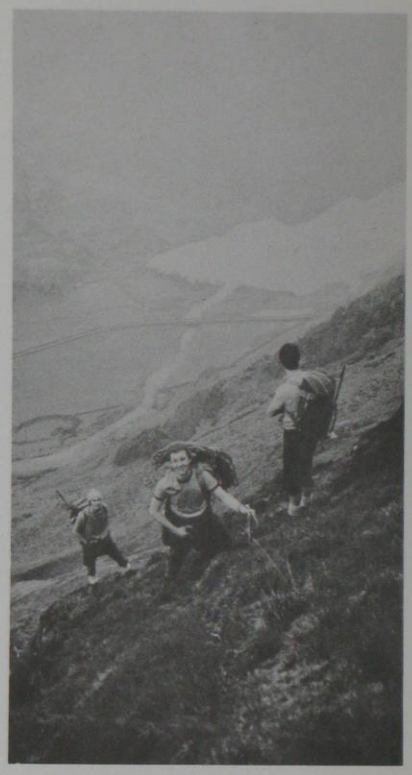
This is excellent progress, considering the unprecedented spread of speeds and heights at which Concorde operates, the unusual configuration of the aircraft and the fact that the autopilot has been installed for less than a year. All the work and planning that went into the Concorde AFCS since 1964, so much of it without the stimulus of actual flight experience, is now paying off.

Writing in Flight magazine's special Concorde supplement, Hugh Field reports "I could not convey a tenth of BAC deputy chief test pilot John Cochrane's enthusiasm about the ease of obtaining accurate and settled performance data when the flight control system has been doing the work; involuntary disconnects are, it appears, unknown".

Later in that same article, the writer concludes "The commercial world may doubt whether it is ready for Concorde but it should have no doubt that the aircraft is ready for it".

These are nerve-testing times for Concorde and supersonic transport as a whole, but, whatever happens, EFA's autopilot system has made a valuable and recognised contribution to the technical success of the aircraft. That fact by itself will always stand us in good stead.

Some of the people who contributed to the Concorde autopilot system; left to right, Brian Freeman, Roy George, Dick Godden, Alec Brown, David Clews, David Salvage, Richard Cummings, Bob Short in front of Gerry Paternoster, Keith Rosenberg, Gordon Haywood, Ian French and Alan Jones.
(Picture by Peter Tromp)



HILLWALKERS WANTED

BY THE ELLIOTT CLIMBING CLUB

MEMBERS of the Elliott Climbing Club have decided to extend their membership to include hillwalkers and fell walkers.

These pastimes are closely allied to mountaineering and climbing and should appeal to those social club members with less suicidal tendencies. The club intends to organise instruction on basic hill crafts and also run weekend meets in Wales and the Lake District. Pictured on a recent trip to Snowdonia are Eric Gilray, AS&RD (gallant leader on the international Ben Nevis expedition), George Tennant, FARL, and Eric Jones.

If you are interested in hillwalking or rock climbing, contact Ray Dennis, FARL, Medway 44433, Ext. 32.

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Chat Maid for Tiger Moth

Repainting the road signs was not just another symptom of spring cleaning fever. We understand that the increasing practice of using the ROCH lane to cut in ahead of the law-abiding drivers in the CHAT MAID lane has been noticed by the police. They intend to enforce the rules strictly in future and with the bright new paint there is no excuse!

(Picture by Peter Tromp)

The decorated desk gives the game away as to what this presentation by D. Hunter, Personnel Manager, was all about. Bride, Denise Napier, who, after two years service, was becoming Mrs Chapman received a wall clock and other gifts from her friends.

(Picture by Peter Tromp)

ELLIOTT SPORTS DAY

The 18th Inter-Divisional Annual Sports Day will be held at the Elliott Sports Ground, in Featherby Road, Gillingham on Saturday June 19th commencing at 2.00 p.m.

Programme of events

1 *Mens 100 metres*
2 *Ladies high jump*
3 *Mens high jump*
4 *Veterans handicap – 100 metres*
5 *Ladies 100 metres*
6 *Mens handicap – 1500 metres*
7 *Mens 200 metres*
8 *Mens javelin*
9 *Ladies long jump*
10 *Mens long jump*
11 *Mens 400 metres*
12 *Girls 100 metres – 12 years*
13 *Girls 100 metres – 13 to 14 years*
14 *Girls 100 metres – 15 to 16 years*
15 *Mens 800 metres*
16 *Ladies javelin*
17 *Ladies shot*
18 *Mens shot*
19 *Boys 100 metres – 12 years*
20 *Boys 400 metres – 13 to 14 years*
21 *Boys 800 metres – 15 to 16 years*
22 *Ladies discus*
23 *Mens discus*
24 *Ladies relay 4 x 100 metres*
25 *Mens relay 4 x 100 metres*
26 *Inter-divisional tug-of-war – 8 per team*
27 *Ladies 2 laps of Track walking race*
28 *Mens 4 laps of Track walking race*

The Victor Ludorum Trophy, donated by J.H. Durrant, will be awarded to the athlete obtaining the highest number of points.

Come early and bring your friends and relatives. Encouraging cheers for your divisional competitors may spur them on to victory.

AD NAUSEAM

I put two pence in this Machine
To get a cup of tea,
I got the water, milk and tea
No sugar did I see.

I tried to get a drink once more
I think it was in vain,
For all except the cup came down
And went straight down the drain.

So carefully I checked this thing
By every means I knew,
And then inserted two new pence
That just went straight down through.

I went and got some more new pence
Which took me quite a time,
Eventually I got a drink
An Oxo laced with lime.

I stood there really fuming,
And feeling quite fed up.
I put another two pence in
Plain water, in a cup.

I stood there nearly half an hour,
The cups were plain to see,
With sugared water, Oxo-lime
And Chocolate with my tea.

I raved, I swore and tore my hair,
Went nearly round the bend,
I looked and saw to my despair
Just one more coin to spend.

And so I put the last one in,
And saw to my surprise,
There stood a drink, that was just right
Before my very eyes!

At last, at last, I had a drink,
My joy I tried to cover,
But as I lifted up the hatch,
The BL . . . Y cup fell over.

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