





AVIATION

MAGAZINE

P.O. BOX 855 5600AW EINDHOVEN



is a non-professional monthly magazine published by Stichting FLASH Aviation.

Peter van de Krommenacker

ASSISTANT EDITOR Will van Loon

CIVIL EDITOR Coen van de Heuvel

PHOTOGRAPHIC EDITOR JanPieter Bergmans

MILITARY EDITORS Frank Klaassen Frank Swinkels Jac van Tuyn

AGENCIES

U.K. Barry Bailey-Hickman 27 Hitchman Road Leamington Spa Warwickshire CV31 30H

Italy Frank Smith Viale della Pace 164 36100 Vicenza

West Germany Gerd Lammers & Georg Büning 4281 Raesfeld Weidengrund 26

SUBSCRIPTION RATES

| BeneluxDFL.26,-/year | |
|-----------------------|--|
| EuropeDFL.30,-/year | |
| Overseason request | |
| Single copiesDFL.3.00 | |

PA YMENTS

All payments must be addressed to P.v/d.Krommenacker:

- Giroaccount Nr.3126138,Px/d. Krommenacker, v.Ostadepad 9, Best, Holland.
- Bankaccount Nr.44.46.20.370 Amrobank, Eindhoven, Holland.
- International Money Order to the editorial address.

British, Italian and German subscribers can pay directly to: their agents.

If you publish any information out of FLASH elsewhere please mention the source.

Sample copies are free obtainable on request.

NUMBER 103

APRIL 1979

VOLUME 9

British commercial television company Granada made a series of programmes on specific European items. One of these: The Big Deal - Sale of the Century. Both the programme and the subsequent reactions were highly interesting and clearly showed how easily opinions can be changed by giving information in a wrong way.

For an outsider watching the programme, the sale of 384 F-16s to Norway, Denmark, Belgium and Holland, must have become a rather mysterious event. Insufficient as a weapon system, compensation orders lower as promised, severe engine troubles, political influences all over.

The producers of the programme surely can't be blamed not to have studied the subject thoroughly. Several people were interviewed all strongly involved in the F-16 project. Two reasons, however, gave the programme a different look:

o No doubt the programme was made to take a critical look on the sale and so all 'problems' in the project were dealt with extensively. Without giving the positive sides a television-viewer might start to think the whole F-16 project is rotten.

o The F-16 project is still in full swing. Getting reliable and especially objective information is still very hard as much interest is at stake (think of sales in Canada & Australia).

In my opinion two items in the programme deserve some additional attention: ENGINE.

The F-16 is provided with a Pratt & Whitney F-100 engine of which the F-15 Eagle has two. The F-15 has serious engine problems and the same goes for the F-14 Tomcat which is engined by two Pratt & Whitney TF-30s.

engined by two Pratt & Whitney TF-30s.

Both aircraft suffer many flame-outs but due to the fact that they have two engines, the amount of accidents is still very low. Compared to aircraft like the F-4 Phantom and F-100 Super Sabre, they are doing extremely well. However, the USAF has extracted alot of money for General Electric to speed up the development of their GE F-101X engine which could replace all Pratt & Whitney engines and giving additional thrust as well. WEAPON SYSTEM.

In the programme General Voght, ex-USAFE commander, strongly disapproved of the F-16 purchase by European countries. The lack of all-weather capabilities were Gen.Voght's strongest objections and subsequently declared the F-16 an insufficient weapon system.

The discussion on what the exact meaning of all-weather capability would take to long for this already extensive editorial. But does the F-16 have to have extensive all-weather capability? Of course, preferable: yes! However, the expensises accompanying the necessary equipment of such aircraft are so high it would result in a decreasing of the

amount of aircraft to be ordered. The all-weather capabilities of the F-16 are indeed limited and compared to the F-15 and Tornado insufficient. But the F-16 is a compact multi-role fighter whereas the F-15 and Tornado are huge and specialized fighters. The 'shortage' of the F-16 will surely be meet by equipping the aircraft with the so-called smart bombs. These bombs can be released and are able to find its own way to the target.

Jac van Tuyn



MILITARY NEWS

****** OPEN DAY AT TWENTHE POSTPONED ******

Originally planned for 16 June, open day at Twenthe would have done unrepairable damage to the crops on the field. The Dutch air force decided to postpone the event. The new date is 15 September.

Holland

Pilot training for the Dutch air force is undergoing considerable changes or better said: will undergo.

Within the air force there's a heavy shortage of pilots. Future pilots on training in Canada dropped out, couldn't be replaced by new pupils as Canadian air force claimed these vacancies. Furthermore the Klu, for some time, followed a policy to create a great transit of pilots. reasons created Klu's present problem.

At the moment three groups are out to get their wings. Two groups in Canada and one in the States. All three groups will return at about the same time and with the few instructors available with 313Sqn at Twenthe, responsible for completation of the pilot training course, a change was inevitable. All just graduated pilots returning to Holland will be divided over the squadrors instead of going to 313Sqn. On detachment at Twenthe, 313Sqn will provide type conversion & familiarization. Gunnery pratice will be given by an instructor at the squadron the pilot has been appointed to. This will result in a considerable shortening of the TOCC (Theatre Operational Conversion Course) with 313Sqn.

Late March, Leeuwarden closed for runway repairs. Not the main runway but the smaller crossing runway is now under repair. This runway will be used for F-16 operations in the future and should reduce the noise-level over the village of Jelsum. Visitors will keep using the old runway.

The work will last till late April and in the meantime six F-104Gs are based at Soesterberg (on alert) and 20 others are at Volkel.

 In February 8, F-104G D-8311 of 306Sqn, was badly damaged while landing at Volkel. Its right wheel collapsed. The aicraft will be repaired Ypenburg.

 Movements at Valkenburg included:
 Jan. 9: 158924/LA-5 P-3C Orion USNa 19: WB534 Devon C.2/2 RAF 207Sqn USNavy VP-5San

5: XW788 HS.125 CC.1 RAF 32Sqn

No.227 PA-31 Navajo Aeronavale

12: XV250 Nimrod MR.1 RAF WB533 Devon C.2/2 RAF 207Sqn 20: 11-03 Jetstar Luftwaffe FBSS

26: 160611/LM-8 P-3C Orion USNavy VP-44Sqn

28: 72-18 and 72-54 UH-1D Heer XX508 HS.125 CC.2 RAF 32Sqn AJ/86 Nord 262D FAF 29: XS789 HS.748 CC.2

RAF Oueens Flight

This year's squadron-exchanges with Klu units promise to bring some very rare aircraft to Holland. First of all there are the two T-38 Talons of the Portuguese air force. 315Sqn at Twenthe will fell the honour of this exchange early August.

316Sqn at Gilze-Rijen is in the progress of studying the possibilities of an exchange with another Portuguese unit. Any further details still lack as this exchange is expected to take place in autumn this year.

Earlier Gilze-Rijen will host a deployment of Eagles from the States. The deployment should take place in September and both 49TFW and 1TFW have already been mentioned.

F-104G D-8342 as target-tug - the dart was inscribed: Schietdoel Vlb.Leeuwarden. (P.Elzinga)





314 SQN IN NORWAY

Wednesday March 14, two flights of three NF-5s (K-4009, 3044, 3045, 3036, 3058 and 3069) of 314Sqn left Gilze Rijen airbase to participate in one of the traditional Norwegian winter exercises. Close behind but lacking the speed were F.27 Friendships for troops and equipment. The flights were bound for Bodø in the northern part of Norway, but due to the F-16 Cold Weather Trials, they had to make a RON (Remain Over Night) at Rygge Flystation near Oslo. The three F-16s luckily left Bodø airfield (and the building 314sqn would use during the detachment) the next day so the flight was continued in the northerly direction.

Everything in Norway is extreme, either cold, visibility, wind or prices but 314sqn had all the luck of the world during their stay because the weather was and stayed beautiful. After a few days familirisation in the area with fjords and mountains everywhere, the pilots knew their way around again and the low passes at Bodø became lower and lower. At Sunday 18th, the exercise war started in the north around the area of the Evenes Civil airfield with participating marine forces from the United States; the United Kingdom, the Netherlands and Norway.

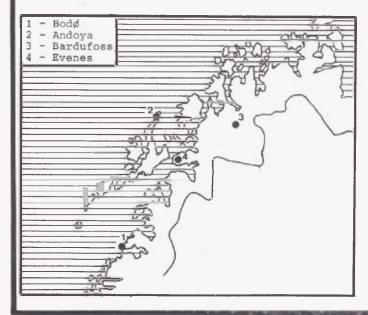
The main idea was to get a maritime landing going with defending forces trying to kick them in the fjord again. Next to all the navy (& marines) which took part mainly as attackers, the Norwegian army was defending, with alittle help from their friends. Airborne friends (and sometimes enemies) during this exercise were aircraft from:

| 334Sqn | CF-104 | Bodø | Norwegian | Air | Force |
|--------|---------|----------------|------------|------|-------|
| 331Sqn | F-104G | Bodø | Norwegian | Air | Force |
| 339Sqn | UH-1B | Field Deployed | Norwegian | Air | Force |
| 717Sqn | RF-5A | Bardufoss | Norwegian | Air | Force |
| 338Sqn | F-5 | Andoya | Norwegian | Air | Force |
| 314Sqn | NF-5 | Bodø | Netherl. | Air | Force |
| 1Sqn | Harrier | Bardufoss | Royal Air | Ford | e |
| 814Sqn | SeaKing | HMS Hermes | Royal Navy | 7 | |
| 846Sqn | Wessex | HMS Hermes | Royal Navy | 7 | |
| | | | | | |

Due to the extremely good weather and the very high serviceability of 314sqn NF-5's, a large amount of exercise 'war' missions were flown against the attacking forces, mainly successfull. Of course the squadron has a lot of experience in these operations, being part of ACE Mobile Forces since 1958 and since them flying regularly in Northern Norway.

So to us it was no miracle when we heard we had won the war again and the invading forces found destroyed. We just packed up again and left Norway within aday, smoothly. There will be more exercises this year. 314sqn will be there.

Martin Leeuwis, 314Sqn







Three Beech B.34C Turbomentors passed through Shannon airport, Eire, on delivery to Algerian Air Force on 29 March: 7T-WPD/GP-1, 7T-WPE/GP-2 and 7T-WPF/GP-3. (D.O'Mahony)

Belgium

- On May 19, Brasschaat (near Antwerpen) will be open to the public. Normally this annual event is organized by the local air club in co-operation with the Belgian army. This year it will be the other way around. Since I January the School for Light Aviation is a seperated division within the army and 25 years ago the division changed from air force to army. A double reason for a good open day and mention has already been made about participation of many foreign army aviation units.
- From 3 till 12 April, 31Smaldeel/10Wing at Kleine Brogel had a squadron-exchange with 335Sqn of the Greek AF. Six Greek F-104s visited Kleine Brogel: F-104G 12601, 22305, 22310, 33638 and TF-104G FG-5909 and FG-3044. Both duals still carried their dayglow tiptanks indicating their origin:Luftwaffe 27-80 and 27-14 resp.

TOP: Greek AF TF-104G FG-3044 on exchange at Kleine Brogel. (J.Schoofs). MIDDLE & BOTTOM: Alpha Jet AT-01 at Brustum.





Canada

• On March 28, the Canadian air force accepted the first of two de Havilland DASH 7. A second one will be delivered in July.

The two DASH 7s will replace the CC.109 Cosmopolitan which has been used in Europe since 1960 for short range passengers and freight transport.

France

- Noted at Bordeaux on 24 & 26 February were Mirage F.1CH 139, 140, 144, 146 and 147 of Morocco AF and CM-170Rs 509, 510 & 511 of Guatemala AF.
- Mirage 2000's big brother Super Mirage 4000 made its first flight from Istres on March 9. Test pilot Jean-Marie Sogat flew the aircraft on a one-hour mission reaching 36,000ft and went supersonic.

The Super Mirage 4000 is a private venture of Dassault although recently the French government announced to invest some money in the research on the Snecma M53 engine of which two are installed in the Mirage 4000.

Dassault intends to market the aircraft as a competitor of the F-15 Eagle.

International

• Long going talks about the 'two way street' are now showing some results. For years the European aircraft industry has been complaining not to get a chance of setting up projects for own defence requirements. All important orders went to the US while only the small once remained in Europe.

Talks on governmental level proved agreat willingness to change this situation. Only the American industry objected strongly as it was afraid, hard obtained technology would be given away where nothing could be gained.

Objections seem to have diminished and in three programmes European and American aircraft companies are partners:

- o Enhanced Tactical Fighter (ETF)
 Panavia and Grumman are adjusting the Tornado so
 it can meet the ETF requirement which asks for a
 tactical air-to-ground aircraft for the USAF in
 the mid-1980s.
- o VTX

 Dornier and Northrop are adjusting the Alpha Jet to enter the competition for an USNavy basic jet trainer.
- o TKF-90
 MBB closely co-operates with McDonnell-Douglas in their development of their project for areplacement of Luftwaffe Phantoms.



Vampire T.55 J-1080 at Emmen. The red fuselage with black stripes indicate the aircraft's involvement in anti-aircraft exercises. (S.Kunz)



Remains of the Jaguar that crashed on 26 March near Südlohn, Germany. (G. Lammers)

United Kingdom

 At Dunsfold Flight Test Center, Hawk T.1 XX265 was handed over to the RAF as the 100th Hawk to be delivered. On the same day, March 27, the aircraft was delivered to the Tactical Weapons Unit at Brawdv.

On the same occasion RAF's Director of Flying Training predicted a possible further order for the Hawk.

102 Hawks have almost logged 23,000 flying hours without an accident.

Production numbers have been allocated as follows: 124-125 XX295-XX296 001-007 XX154-XX161 008 ZA101/G-HAWK 126 Indonesian AF 009-052 XX162-XX205 127 XX297 053-106 XX217-XX281 128 1005 KenyanAF 107 1001 KenyanAF 129 XX298 108-116 XX282-XX290 130 1006 KenyanAF 1002 KenyanAF 117 131-132 XX299-XX300 118-119 HW301 Finn.AF XX291-XX292 133 134-135 XX301-XX302

120 1003 KenyanAF 121-:122 XX293-XX294 136 1007 KenvanAF 123 1004 KenyanAF 137-139 XX303-XX305 • Go-ahead has been given for the conversion of

nine VC-10 airliners to air-to-air refuelling tankers for the RAF. All nine will operate in a newly formed squadron and supplement the two Victor K.2 tanker squadrons presently based at RAF Marham. Primarily they will only support air defence ope-

rations. Conversion will be undertaken at BAe Filton where

all nine VC-10s have been stored for already a vear.

 March 26, a Jaguar T.2 of 17Sqn, crashed near Südlohn, W.Germany. Squadron-code is most likely to have been BY and this would make the aircraft involved XX147.

United States of America

• Using call-sign 'AHEAP', ten new A-10A Thunderbolt IIs were delivered to 81TFW on 30 March: WR77-241, 77-254, 77-256, 77-257, 77-258, 77-259 WR77-261, 77-262, 77-263 and 77-264. Also arriving on March 30 was U-2R 10338 at RAF Mildenhall.

 Movements at Frankfurt/Rhein-Main included: Mar. 2: 18021 U-21A USArmy 56th Aviation Company

4: 70521 C-130A AFRES

6: 51-00 (-) and 51-09 (LTG-61) C-160D WGAF 60197 C-141A 62MAW (50243 on 10.03) 136775 C-lA Trader USNAvy NAS Sigonella

7: 21856 C-130E Georgia ANG

9: 50268 C-141A 60MAW (50228 on 11.03) XS793 Andover CC.2 RAF Queens Flight

10: 37823 and 37858 C-130E 314TAW

11: 50-84 Transall C-160D Luftwaffe LTG-61

12: 91527 C-130B AFRES 433TAW 17003 OV-1D Mohawk USArmy 122MIC 61-ZT/F154 Transall C-160F FAF

20: 90011 C-5A Galaxy 60MAW

21: 61-ZZ/F160 Transall C-160F FAF

22: 96827 HC-130N 67ARRS

70510 C-130A AFRES 927TAG

Noted at Spangdahlem on 23 February: SP63-452, 63-512, 63-596, 63-638, 64-879 F-4C 52TFW SP66-664, 66-667, 66-738, 66-754, 66-714, 66-737 66-797, 66-798, 56-804 F-4D 52TFW SP74-047, 74-050 F-4E 52TFW TJ66-542, 66-610 F-4D 401TFW

TJ66-542, 66-610 F-4D 401TFW

18036, 18059 and 18072 U-21A USArmy

In the second week of April the first two F-4G 'Wild Weasel' Phantoms were delivered to 52TFW. A second delivery of three F-4Gs arrived in the third week.

A-10A Thunderbolt WR77-245 still in two-tone grey c/s at Woodbridge on 07.04. (B.Bailey-Hickman)



AMI WITHDRAWS PACKET



Although one aircraft remains in service, the Italian Air Force has officially withdrawn the Fairchild C-119 Packet, their work-horse for 25 years and the back-bone of AMI's transport-fleet. The withdrawal took place on 24 January when C-119G 46-95/MM52-6030 of 2nd Gruppo made a short flight with some invited guests aboard. The withdrawal from use was taken somewhat too literally. On return at Pisa the left main-gear strut didn't block, resulting in an unfortunate landing which ended in a foam-bath.

On this occasion not only the Packet disappeared in Italy, but disappeared Completely out of Europe. Earlier Norwegian and Belgian air forces exchanged their Packets for Hercules. With AMI this exchange took place in two phases. In 1972, 50th Gruppo received the C-130H Hercules while 98th Gruppo recently got its first of 46 G.222s.

46th Aerobrigata initially existed of 2nd and 98th Gruppi and took delivery of its first Packets in 1953, this being the G-version built by Fairchild. These were subsequently coded 46-2 up to 46-43. Primairy mission was freight & troop transport but the Packet also proved to be an excellent aircraft for paratrooping.

During mass evacuation and provision flights in the Congo in the sixties, thousands of flying hours were logged with AMI's Packets. Three aircraft were lost here, and with two others, which had already been lost, the machines were replaced by five ex-Indian AF C-119Gs coded 46-44 up to 46-48.

Additionally 21 ex-USCôast Guard Packets were received, forcing to create an additional squadron: 50th Gruppo. These ex-USCG Packets were all J-models

differing from the earlier model in having a pointed rear fuselage which can hing upwards. On delivery one of the aircraft (51-8046) made an emergency landing and was never taken into operational service. For all those years it remained at Pisa in USAF markings and was used for spare parts.

In the last few years afew examples were converted to EC-119Gs & Js by installation of additional electronic equipment. External this version differs in having two bubbles under the fuselage. 71 Gruppo G.E. (Guerra Elletronica/Electronic Warfare) was the operator and presently only 46-35 is in use but will be withdrawn in September.

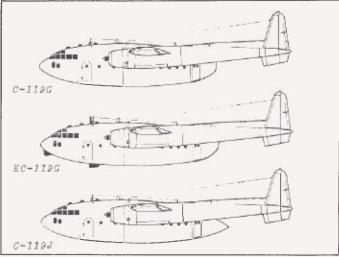
Another version was the VIP version. Three machines were converted for this purpose but brought back to standard with the arrival of e.g. DC-9s.











The ex-Indian AF a/c replaced those which had been lost: 46-3 MM52-6005 10863 w/o at Pisa in 1963 46-10 MM52-6014 10911 w/o Tangayika Lake 17.11.61 46-11 MM52-6036 11075 w/o Marina di Pisa 20.04.64 46-15 MM52-6011 10869 w/o Luluaburg on 15.02.61 46-22 MM52-6037 11076 w/o Congo on 02.02.61 C-119J 51-8046 was severly damaged while landing at Pisa on delivery and wfu at Pisa (serial 0-18046)

PAGE 8:
TOP: C-119G46-93/MM52-6029 arriving at Campoformido on 06.12.78 to become a gate-guard. (EISG)
MIDDLE: The unfortunate landing of C-119G 46-95 on 24 January. (R. Farina)
BELOW: One of the many C-119s stored at Pisa (F. Smith)
PAGE 9 (both Aviation Photos International)
TOP: C-119G 46-96 coming in at Pisa
BELOW: C-119J 46-51 at Luxemburg airport



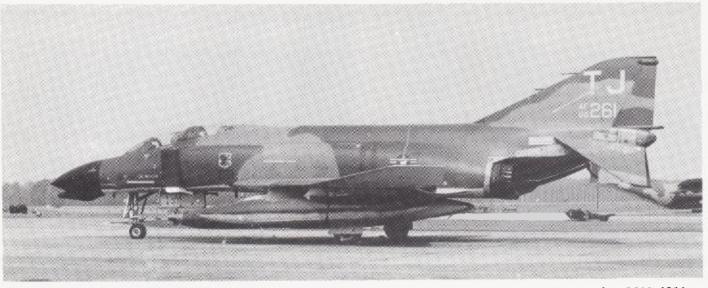
With the delivery of the 21 additional Packets the code system was changed as follows:

2nd Gruppo 46-20 up to 46-39 50th Gruppo 46-50 up to 46-69 98th Gruppo 46-80 up to 46-99

Remarkable is that after overhaul the Packets kept their original squadron-code. This is very unusual for AMI and the registration list of the C-119 is for Italian notions rather simple:

| for Ita | lian notions | rather | simple: |
|----------------|-------------------------|----------------|--|
| C-119Gs | with 2nd Gru | oggi. | |
| 46-20 | MM52-6008 | 10866 | wfu - at Pisa |
| 46-21 | MM52-6019 | 10949 | wfu - at Pisa |
| 46-22 | MM52-6004 | 10862 | ex 46-12; wfu - at Pisa |
| 46-23 | MM52-6010 | 10868 | wfu - at Pisa |
| 46-24 | MM52-6009 | 10867 | ex 46-14; wfu - at Pisa |
| 46-25 | MM52-6040 | 11079 | wfu - at Pisa |
| 46-26 | MM51-17365 | 10777 | ex 46-9; wfu - at Pisa |
| 46-27 | MM51-17367 | 10779 | ex 46-4; wfu - at Pisa |
| 46-28 | MM52-6041 | 11080 | wfu - at Pisa |
| 46-29 46-30 | MM52-6012 MM52-6031 | 10909 11032 | wfu - at Pisa ECM conv.; wfu-Vergiate |
| 46-30 | MM52-6001 | 10827 | ex 46-5; wfu - at Pisa |
| 46-32 | MM52-6042 | 11081 | wfu - at Pisa |
| 46-33 | MM52-6001 | 10826 | ex 46-13; wfu - at Pisa |
| 46-34 | MM52-6003 | 10828 | ex 46-8; wfu - at Pisa |
| 46-35 | MM53-8146 | 249 | ex 46-45; ex IndianAF; |
| | | | ECM conversion |
| 46-36 | MM52-6025 | 10996 | wfu - at Pisa |
| 46-37 | MM52-6013 | 10910 | ex 46-16; wfu - atPisa |
| 46-38 | MM53-3200 | 11213 | ex 46-48; ex IndianAF; |
| | | | gate guard at Pisa |
| 46-39 | MM52-6017 | 10947 | ex 46-18, 46-35 & 46-85 |
| C-119Js | with 50th Gr | cuppo | |
| 46-50 | MM51-8121 | 124 | to Museum in Turin |
| 46-51 | MM51-8125 | 128 | wfu - at Pisa |
| 46-52 | MM51-8128 | 131 | wfu - at Pisa |
| 46-53 | MM51-8130 | 133 | wfu - at Pisa |
| 46-54 | MM51-8140 | 143 | wfu - at Pisa |
| 46-55 | MM51-8144 | 147 | VIP conversion; wfu-at |
| | | | Vergiate |
| 46-56 | MM51-8152 | 155 | wfu - at Pisa |
| 46-57 | MM51-8154 | 157 | w/o Cisterna 26.06.69 |
| 46-58 | MM51-8156 | 159 | wfu - at Vergiate |
| 46-59 | MM52-5849 | 11108 | wfu - at Vergiate |
| 46-60 46-61 | MM52-5851 MM52-5866 | 11010 | wfu - at Vergiate |
| 46-62 | MM51-8158 | 11025 161 | wfu - at Pisa |
| 46-63 | MM52-5884 | 11051 | VIP conv.; wfu-Vergiate ECM conv.; wfu-Vergiate |
| 46-64 | MM52-5896 | 11063 | wfu - at Pisa |
| 46-65 | MM52-5897 | 11064 | wfu - at Pisa |
| 46-66 | MM52-5947 | 11135 | wfu - at Pisa |
| 46-67 | MM53-8098 | 201 | wfu - at Pisa |
| 46-68 | MM53-8103 | 206 | VIP conv.; wfu-at Pisa |
| 46-69 | MM51-8133 | 116 | ex 46-49; wfu - at Pisa |
| 0.1100- | | | |
| C-119Gs | | | 46-21 Her |
| 46-80 46-81 | MM51-17366 MM52-6016 | 10778 10946 | ex 46-2; wfu - at Pisa ex 46-31; wfu - at Pisa |
| 46-82 | MM52-6006 | 10864 | ex 46-7; wfu - at Pisa |
| 46-83 | MM52-6049 | 11117 | ex 46-33; wfu - at Pisa |
| 46-84 | MM52-6020 | 10950 | ex 46-34; gate-guard at |
| | .2.02 0020 | -0700 | Rivolto |
| 46-85 | MM52-6053 | 11121 | ex 46-35; wfu - at Pisa |
| 46-86 | MM52-6018 | 10948 | ex 46-24; w/o Rivolto on |
| | | | 24.04.70 |
| 46-87 | MM52-6007 | 10865 | ex 46-37;wfu - at Pisa |
| 46-88 | MM52-6054 | 11122 | ex 46-38;wfu - at Pisa |
| 46-89 | MM52-6056 | 11144 | ex 46-39; wfu - at Pisa |
| 46-90 | MM52-6057 | 11145 | ex 46-40; wfu - at Pisa |
| 46-91 | MM52-6024 | 10995 | ex 46-41; wfu - at Pisa |
| 46-92 | MM52-6048 | 11116 | ex 46-42; wfu - at Pisa |
| 46-93 | MM52-6029 | 11030 | ex 46-43; gate-guard at |
| 46-94 | MMES 7045 | 11266 | Campoformido |
| 40-34 | MM53-7845 | 11266 | ex 46-44; ex Indian AF; wfu - at Pisa |
| 46-95 | MM52-6030 | 11031 | ex 46-27; wfu - at Pisa |
| 46-96 | MM53-3219 | 11235 | ex 46-27; with a dt Fisa ex 46-46; ex Indian AF; |
| 10 70 | 3213 | 11233 | wfu - at Pisa |
| 46-97 | MM53-7828 | 11245 | ex 46-47; ex Indian AF; |
| | | | wfu - at Pisa |
| 46-98 | MM52-6000 | 10780 | ex 46-6; 46-27 & 46-68 |
| | | | wfu - at Pisa |
| 46-99 | MM52-6015 | 10912 | ex 46-19; wfu - at Pisa |

With special thanks to C.Carretta, F.Farina, EISG, N.A.Wiltens and B.Ullings/API



Seen at Woodbridge on 07.04. were two ex-81TFW F'4D Phantoms already applied with TJ-code: TJ65-0716 named 'Night Fever' (on nosewheel door) and TJ66-0261 named 'Mz.Breeze'. (B.Bailey-Hickman)

• Movements at Ramstein included: Mar. 5: 50237(62MAW), 38082(62MAW), 60188(62MAW), 70009(63MAW) and 50252(60MAW) all C-141As 70482 C-130A AFRES/934TAG BD-03, BD-09 and BD-12 Mirage 5BD 58-61 (JB-34) & 58-97 (AG-51) DO-28D WGAF 27-03 (WS-10) & 27-87 (JB-34) TF-104G WGAF 01551, 01553 and 01554 F-5E 527TFTAS UH68-014 F-111E 20TFW C-7 F-27M RNethAF CS-03 HS.748 BAF CF-02 Merlin BAF 35-26 RF-4E WGAF AG-52 13: HR68-412, 68-438, 68-495, 68-538, 69-260 HR74-626, 74-044, 74-662, 74-045, 74-663 HR74-620, 74-628, 74-055 all F-4E 50TFW BT76-009, 76-010, 76-012, 76-027, 76-081 and 76-128 F-15A/B 36TFW 01553, 01554 and 01559 F-5E 527TFTAF FX-64 and FX-82 F-104G BAF 10Wing BA-20 and BA-30 Mirage 5BA BAF 2Sqn/2Wing 32-88 and 32-79 G-91R Luftwaffe LEKG-41 27-22 (JB-34) & 27-24 (JB-31) TF-104G WGAF 37-09, 37-94 and 38-50 F-4F Phantom JB-35 23126, 22950, 22262 C-12A USAr Hq.USAREUR 20-15 and 20-23 TF-104G AMI 20Gruppo 37-61 and 37-67 F-4F Phantom WGAF JG-71 58-31 DO-28D JB-31 10-KY/17544 T-33A UH68-065 F-111E 20TFW 23573 KC-135A 14626 OV-10A 601TCW 22944 C-12A 56AvCo 20: 80217, 00445 and 00456 C-5A 436MAW 50232(62MAW), 59401(437MAW),60175(437MAW) 60195 (437MAW) all C-141As 31-13, 31-57, 32-76, 33-18 G-91R LEKG-41 35-53 and 35-64 RF-4E Luftwaffe AKG-52 50-86 Transall C-160D Luftwaffe LTG-61 135 F-5B and 0580 F-5A RNoAF 332Sqn (the latter with sqn-markings: black axe) 22564, 22944 and 23127 C-12A USArmy 7597 and 7616 Alouette II Heer 18540 and 16856 CH-47C Chinook USArmy SP64-741 F-4C 52TFW ZR68-602 RF-4C 26TRW HR74-620 F-4E 50TFW BT75-058 F-15A 36TFW LN73-712 F-111F 48TFW FT-13 T-33A BAF 21: 30-51, 31-75, 32-87, 32-88 F-91R LEKG-41 K-4011 NF-5B RNethAF 316Sqn CR77-074 F-15A Eagle 32TFS 30: TJ66-560 and 66-649 F-4D 401TFW (the latter was still uncoded) FT-17 and FT-30 T-33A BAF

West Germany

• The last pre-production Tornado made its first flight on March 26. MBB's Tornado Project Pilot Armin Krathann flew the aircraft, P-16, on a 75 minutes flight from MBB's Flight Test Centre at Manching. This aircraft has a production standard front fuselage and after some initial flight testing it will be transferred to ES-61 for weapon trials.

58-81 DO-28D Luftwaffe LEKG-41

CR77-158 F-15B 32TFS

Open Day

Oct.

```
6: 'Portes Ouvertes' at Reims (France)
                19: 'Open Day' at Sembach (W.Germany)
                         'Portes Ouvertes' at Colmar (France)
                20:
                20: 'Portes Ouvertes' at Villacoublay(France)
20: 'Portes Ouvertes' at Chambery (France)
24: 'Open Deur' at Saffraanberg (Belgium)
                        'Open Deur' at Saffraanberg
                        'Portes Ouvertes' at Nancy-Ochey (France)
'Air Fete 79' at RAF Mildenhall (UK)
'Portes Ouvertes' at Chateaudun (France)
                24:
         25&26:
                27:
                       'Portes Ouvertes at Chateaudum (Flance,
'Open Day' at Spangdahlem (Germany)
'Naval Air Day' at RNAY Fleetlands (UK)
'Paris Air Show' at LeBourget (France)
'Portes Ouvertes' at Limonges (France)
'Portes Ouvertes' at Varennes-sur-Allier
                  3:
Jun.
           9-16:
                10:
                        'Open Day' at RAF Waddington (UK)
'Open Dag' at Twenthe (Holland)
        16: 'Open Dag' at Twenthe (Holland)
17: 'Portes Ouvertes' at Metz (France)
17: 'Portes Ouvertes' at Rocamadour (France)
17: 'Portes Ouvertes' at Istres (France)
18-25: 'NATO Tiger Meet' at Cambrai (France)
22: 'Open Deur' at Kleine Brogel (Belgium)
22&23: 'Vliegmeeting' at Florennes (Belgium)
23&24: 'Int.Air Tattoo' at Greenham Common (UK)
24: 'Portes Ouvertes' at Evreux (France)
                         'Open Day' at Bitburg (Germany)
'Open Day' at Aviano (Italy)
July
                  1:
                  1:
                         'Portes Ouvertes' at Luxieul (France)
'Portes Ouvertes' at Solenzara (Corsica)
                  1:
                  8:
                         'Portes Ouvertes' at Mont-de-Marsan (Fr.)
                21 €
                21:
                         'Open Day' at RAF Coningsby (UK)
                         'Naval Air Day' at Lee-on-Solent
'Naval Air Days' at RNAS Portland
                                                                                                            (UK)
                21:
                                                                                                            (UK)
          21&22:
                         'Naval Air Day' at RNAS Culdrose
'Army Air Days' at Middle Wallop
                                                                                                            (UK)
                25:
          27&28:
                         'Open Day' at RAF Binbrook (UK)
'Open Day' at Hahn (Germany)
'Int. Air Days' at RNAS Yeovilton
'Flugtag 79' at Ramstein (Germany)
                28:
                29:
            3&4:
Aug.
                  5:
                        'Open Day' at RAF St.Mawgan (UK)
'Flugmeisterschaften' Dübendorf (Switz)
                 15:
          24&25:
                31: 'Open Deur' at Goetsenhoven (Belgium)
-3: 'Open Days' at Zweibrücken (Germany)
 Sept. 1-3:
                  9: 'Portes Ouvertes' at Tours (France)
9: 'Portes Ouvertes' at Cognac (France)
```

Note 1: All open days marked with an asterisk (x) have not yet officially been confirmed.

12: 'Open Deur' at Florennes (Belgium)
16: 'Portes Ouvertes' at Cazaux (France)
23: 'Portes Ouvertes' at Bordeaux (France)

5: 'Open Deur' at Bierset (Belgium)
7: 'Open Day' at Torrejon (Spain)

Note 2: From previous years, many cases are known of people wanting to attend an air show that had been postponed or cancelled. So, please keep in mind: ALWAYS CHECK BEFORE GOING.
Note 3: Deleted from last month's list is Bentwaters

Note 3: Deleted from last month's list is Bentwaters Open Day. Official USAF writing didn't mention this open day. Upper Heyford open day for 15 September was cancelled due to construction work at the base. Alconbury open day for 18 August is not open to the public.



EUROPE'S ANTI-ARMOUR HELICOPTERS

Military aerospace can be divided in three catagories: intercepting, ground support and close ground support. In a general way of speaking an F-15 Eagle can be classified as an interceptor , an F-16 as a ground support a/c and an A-10 Thunderbolt a close ground support a/c.

Now one can't blame Flash not paying attention to the introduction of these three new generation

aircraft .

you do have a right to blame us on being neglectable about the role of the helicopter in the latest tactics. For years the helicopter has been used for transport and scouting. The war in Vietnam initiated the development of the attack helicopter and now the attack helicopter is getting its way to Europe .

Entering service in Europe, the name attack heli copter raised some resistance . Officially this kind of helicopter can't be classified as attack as NATO is a purely defensive alliance. Other names as battlefield helicopters or defence helicopter also effects the chopper providing transport and scouting. Anti-armour helicopters is a name which can be given to the conventional helicopter, equipped with rocket/missiles. But the classic attack helicopter as AH-1 and AH-64 also have guns and are thus not limited to fight against tanks.

Originally the armoured helicopters were conventional chopper equipped with guns and rocket pods. Deve-lopment in the Vietnam war soon led to the intro duction of a complete new model especially designed for its mission: the Bell AH-IG HueyCobra.

New technology provoked the demand for a follow-on attack helicopter. Both Sikorsky and Hughes entered a competition and Hughes' AH-64 finally turned out the winner. First delivery of the AH-64 will not be earlier as June 1983.

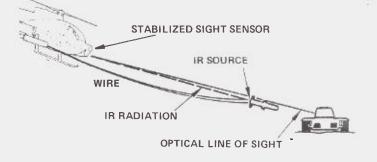
De earlier as June 1983.

To fill up this gap all existing AH-1Gs have been converted to AH-1Q and are in the progress for conversion to AH-1S. At the time, AH-64 enters service, the USArmy is expected to have 986 AH-1S in its inventory. Between June 1983 and November 1989 an estimated number of 536 AH-64s will be delivered.

Many of these attack helicopters are destined for Europe and W.Germany in particular. Why? Because the attack helicopter provides the army troops an enormous mobility. This mobility is essential in the latest tactics of NATO. Expressing the opinion that should a war break out, it would only last a few days. The enemy can decide where to launch an attack and can therefor concentrate its forces on one point. The defender has to respond by sending reinforcements to meet this threat. With tanks this could take days and on arrival the war might have been determint. Helicopters, however, can be on the spot within hours.

PROCEDURE

- Gunner acquires and tracks target with stabilized sight
- Pilot momentarily aligns aircraft with line-of-sight
- Gunner fires missile which automatically guides along gunner's line-of-sight to target
- Pilot free to maneuver aircraft after launch



TOW MISSION PROFILE



Four European army aviation divisions have decided to take the armed helicopter into their inventory. ALAT (French Army) will receive the first of 120 SA.321M Gazelles later this year. Esercito (Italian army) awaits the delivery of the A-129 Mangusta, Heer (W.Germany army) will receive their first of 212 BO 105P/PAH.ls in September. Army Air Corps (British army) is taking delivery of 150 Lynx-AH.ls.

o France already operates 70 Alouette IIIs armed with SS.11 missiles but these will be supplemented with the SA.321Ms with the first unit to be operational in 1980. With six HOT (High-Subsonic, Optically-guided, Tube-launched) the Gazelle has a two-hours flight endurance. The ALAT, however, preferred to carry four missiles creating a two and a half flight endurance.

o Italy tested two A.109s with TOW (Tube-launched Optical-tracked and Wire guided) missiles but no A.109 will enter service as an armed helicopter. A few years will be waited till the A.129 Mangusta is available. Three prototypes of this helicopter have been ordered and will be completed between spring 1981 and late 1982.

o Germany will completely re-organize their army aviation division with the introduction of the armed helicopter. Three regiments of 56 PAH -1s will be detached to an army corps. Each regiment consists of two 28 a/c squadrons which in their turn are divided into seven a/c flights. Each 'schwarme' contains six HOT armed helicopters and one unmaned acting as scout and Commander.

Whereas PAH-1 is just an armed version of the BO 105, developments has been started on a classic attack - helicopter: PAH-2. M.B.B. and Aerospatial have in principal agreed to co-operate in the PAH-2/HAC project which will be a night-capable attack helicopter.

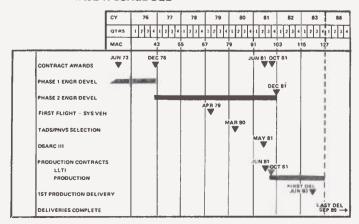
O British Lynx helicopters are utility helicopters which can rapidly be converted for the anti-tank role by installing six TOW missiles.

Only the USArmy presently operates a classic attak helicopter in Europe. Four countries have armed helicopters. Germany and Italy are developing their own classic attack helicopter. Belgium, Holland Denmark and Norway are still considering the best solution.





AAH PHASE II SCHEDULE



Army Aviation aug/sept 1977 - a helicopter user

We know that to become rich and famous all you have to do is invent a workable helicopter camouflage system, but so far no one has gotten close. But, the really troublesome thing is that the aircraft we have to work with are inadequate and they are also growing too soon old.

Yes, Dear Sirs or Ms., I know the Cobra, the Huey and the Kiowa are good - but good isn't enough when we will have to fight outnumbered and win!!

Let's take the Cobra. The AH-IG was just fine, but if you want to shoot a tank just forget it. It would be about as effective to sprinkle your canteen on the Threat's tank engine and wait for it to rust. The AH-IQ was better but with a load of bullets you couldn't put more than a jigger of gas in the thing.

The AH-1S will help a whole lot, but if it were carried in the Sears catalogue they still wouldn't call it 'our best'. No, Sir and M'am - what we really need at Fort Hood in the 6th Cav. as the ultimate us this:

- Something agile and maneouverable to slide out of one attack position and on to the next one faster.

- Something that has a real night vision gizmo built-in so we don't have to worry about squashing the cavs navs in the bottom of the TA-50 bag.
- Something that operates 'no sweat' in weather

- Something that operates 'no sweat' in weather we now consider scary.
- Something, please, for a change with two engines

- Something, please, for a change with two engines so my insurance company will be moved to lower their rates.

- Something that will shoot that nice new Hellfire missiles so we can hide better and further away. - Something with, say a 30 millimeter gun, so we can knock off those smaller targets - a commander's jeep for instance - that we must now let escape because a TOW costs too much for a small target. I could go on and on (by now maybe you think I have) about why we need a new family of helicopters, why those we have are growing too soon old, and why we should have had them last week, but my typing finger grows tired.

Please run the following advertisement in your magazine:

WANTED: advanced attack helicopter. Will trade AH-1S w/high miles. Excel cond plus cash. Call AV737-3010 24hrs.



Part 2

ABOUT THE 'ELLINIKI AEROPORIA'

An exploratory article on the weal and woe of the Hellenic Air Force, compiled by Frank Klaassen.

INTRODUCTION

The Greek air force is, as usual in most southern countries, wrapped in a veil of secrecy. Lack of official cooperation implied that the information presented in this article does not give the complete picture and additional remarks would thus be welcomed.

In the previous issue the history and organization of the H.A.F. was de with; this episode contains information on its equipment, plus some preliminary words.

In 1952 Greece became a key-member of the North Atlantic Treaty Organization and together with Italy and Turkey it got in charge of the defence of Europe's southern flank. Yet, after the fall of the colonels-regime in 1974, Athens, using the notorious Turkish invasion on Cyprus as a hang-up, decided to withdraw her troops from the alliance. In fact Greece had never been very keen on being in one organization with the neighbouring Turkey, the relation with which may be charactersied as at daggers drawn.

You should know that the Turks had Greece occupied for some fourhunderd years, bleeding the country white and hindering it in its development. The Turkish regime lasted till 1827, when the Greeks finally managed to throw off their yoke. And although this all happened more than 1½ century ago the Greek aversion towards Turkey never died. The Greek are somehow still convinced that Turkey will declare war on them sooner or later; as a matter of fact the Greek armed forces have never been located the way NATO would like them to see, in the northern part of the country facing Albania Yugoslavia and Bulgaria, but more oriented towards the east, direction Turkey....

The relation with Turkey has normalized somewhat of late, although 'hot-issues' such as the matter of the boundaries between the two countries in the Aegian Sea, still exist. Athens presently realizes that the decision to break the ties with NATO might have been somewhat precipitated. Turkey recently made a strong appeal to its fellow NATO members for economic aid and this request is presently being studied; there is in fact an article in the NATO regulations dealing with this matter. Of course Greece could use such an injection as well, but unfortunately it is no longer a member and what is worse, opponent Turkey now has so to say the veto-right against her renewed membership.

Very slowly Athens is trying to obtain a new foothold within the alliance; on a small scale the armed forces are participating in NATO exercises and foreign military aircraft are allowed to operate from Greek territory again. NATO, on its turn, would very much like to see Greece back to strengthen the weakened southern flank. And the Turkish request for economic help might appear to be a very good trump-card to make the Turkish resistance dis appear.

AIRCRAFT OF THE HELLENIC AIR FORCE

Both for seasons of space and ignorance this section isn't very extensive. In general, none of the 'older' types will be discussed and for the rest you will have to do with key-information: a brief comment followed by a list of serials, without the usual write-offs, previous identities and the like. Let's start with that good old.....

Republic F-84F Thunderstreak

Greece received her first Thunderstreaks in 1957, brandnew machines and delivered under the MDA Program. These were later augmented by a number of surplus ex-USAF aircraft, but real reinforcement arrived in the middle and late sixties when the Luftwaffe did away with her Thunderstreaks. The last batch arrived in the early seventies when a number of aircraft was received from redundant Dutch stocks. Officially the Thunderstreak is no longer in service with the Hellenic air force, but recent (1978) sightings made mention of operational aircraft at Larissa!

| Serials | include: | | |
|---------|----------|-------|---------|
| 11812/W | 26727/W | 26866 | 28951 |
| 26361 | 26729 | 26870 | 36545/K |
| 26425 | 26730/W | 26871 | 36592/K |
| 26439 | 26732 | 26876 | 36611/K |
| 26467 | 26736/W | 26879 | 36663/K |
| 26537 | 26738/W | 26887 | 36676/K |
| 26540 | 26743/W | 26890 | 36686/K |
| 36541 | 26744/W | 26891 | 36687/K |
| 26542/W | 26761/W | 26896 | 36688/K |
| 26550/W | 26763/W | 26900 | 36689/K |
| 26558/W | 26766/W | 26901 | 36692/K |
| 26565/W | 26768 | 26904 | 36706/K |
| 26581 | 26773/W | 26908 | 36712/K |
| 26585 | 26789/W | 26911 | 36741/K |
| 26611/W | 26791/W | 26914 | 36745/K |
| 26621/W | 26797/W | 26915 | 36756/K |
| 26621/W | 26808/W | 26926 | 36794/K |
| 26622/W | 26809/W | 26928 | 36797/K |
| 26623/W | 26811/W | 26939 | 36798/K |
| 26659/W | 26824/W | 26941 | 36866/K |
| | | | |



| 26661/W | 26825/W | 26948 | 36881/W |
|---------|---------|---------|-------------|
| 26665/W | 26827 | 26951 | 36887 |
| 26675/W | 26828 | 26959 | 36917/W |
| 26676/W | 26836/W | 27052/W | 37042/W |
| 26679/W | 26837 | 27061 | 37050/W |
| 26680/W | 26840 | 27078/W | 37160/W |
| 26681/W | 26842 | 27086/W | 37175 |
| 26688/W | 26848 | 27089/W | 37182/W |
| 26689/W | 26850 | 27091/W | 37200/W |
| 26690/W | 26851 | 27101/W | 37201 |
| 26698/W | 26852/W | 27104/W | 37203 |
| 26703/W | 26854 | 27107/W | 37216/W |
| 26705/W | 26857 | 27114/W | 37220 |
| 26710/W | 26859 | 28789 | 37229 |
| 26721 | 26860 | 28805 | (W=ex WGAF) |
| 26722/W | 26864 | 28827 | (K=ex Klu) |
| | | | |

Douglas C-47 Dakota

The first Dakota that entered Greek air force service were 30 C-47-DL Skytrains, former civil a/c repurchased by the US for MDAP and subsequently supplied to Greece; these aircraft were serialed 49-2612 to 49-2641 and some of them are still in service. Somewhat later another batch of ex-USAF aircraft were delivered, accompagnied by a number of former RAF aircraft. The fourth wave consisted of ex-civil aircraft; these have adopted their c/ns as identity.

Presently some 25 aircraft remain in operational service with nos.355 and 356 squadrons at Elefsis. The below list gives more serials: it is based on observations done over the last five years and thus includes a number of aircraft now withdrawn from

| ~~~ | | | |
|--------|-------|---------|----------|
| ex RAF | MDAP | ex USAF | ex civil |
| KK156 | 92613 | 316406 | 16348 |
| KK181 | 92617 | 348666 | 12304 |
| KN384 | 92618 | 349532 | 12351 |
| KN389 | 92622 | 349086 | 12373 |
| KN475 | 92623 | 349111 | 12677 |
| KN527 | 92625 | | 13012 |
| KN542 | 92630 | | 23325 |
| KN575 | 92631 | | 123327 |
| KN672 | 92633 | | 1927 |
| KN675 | 92634 | | |
| KN782 | 92637 | | |
| KP255 | 92638 | | |
| | 92641 | | |
| | | | |



North American F-86D Sabre
In the late fifties both nos 335 and 336 Mira received a number of F-86Ds to supplant their Thunderjets; the Sabres were on their turn phased out in 1964 in favour of the Starfighter: A few examples may still be seen parked at Elefsis.

Serials included: 16151, 16238, 18362, 18376 and 18404.

North American F-86E(M) Sabre

The RHAF received atotal of 104 Canadair Sabres to add an interceptor component to its combat strenght, delivery starting in 1955. These were operated by the 337, 341 and 343 Mira of the 111th Combat Wing at Nea Anhialos. During subsequent years Sabre strength was gradually reduced to normal attrition, and by 1965, 341 and 343 Mira had re-equipped with the Northrop F-5.

The third squadron used the Sabre for several more years because delivery of further F-5s by the US was halted due to political reason; later it also exchanged its Sabres for F-5s.

At Thessaloniki some seven Sabres are used as

| accoy. | | | | | | | |
|--------|-------|----|--------|-------|-------|----|--------|
| 19104 | | | | 19287 | | | |
| 19136 | | | | 19347 | decoy | at | Thess. |
| 19168 | decoy | at | Thess. | 19337 | | | |
| 19163 | - | | | 19382 | | | |
| 19198 | decoy | at | Thess. | 19448 | | | |
| 19237 | decov | at | Thess. | | | | |

Lockheed C-130H Hercules

Twelve C-130s were delivered in 1977 to modernize the inventory of the Elefsis-based 355 and 356 squadrons. The aircraft arrived in three waves, consisting of four aircraft each; the last four were delivered in June 1977.

| 741 | c/n | 4622 | | |
|-----|-----|------|-----|---------|
| 742 | c/n | 4632 | | |
| 743 | c/n | 4665 | | |
| 744 | c/n | 4672 | | |
| 745 | c/n | 4716 | s/n | 75-0542 |
| 746 | c/n | 4720 | s/n | 75-0543 |
| 747 | c/n | 4723 | s/n | 75-0544 |
| 748 | c/n | 4724 | s/n | 75-0545 |
| 749 | c/n | 4727 | s/n | 75-0546 |
| 750 | c/n | 4729 | s/n | 75-0547 |
| 751 | c/n | 4732 | s/n | 75-0548 |
| 752 | c/n | 4734 | s/n | 75-0549 |
| | | | | |











Republic RF-84F Thunderflash

In 1957 Greece received a batch of Thunderflashes to equip one squadron with. The aircraft were supplied by the United States under the MDA Program and gathered in the newly formed 348 Mira at Larissa; subsequently these were augmented by a number

of ex-Dutch and German aircraft.
Surprisingly enough the Thunderflash is still in service with the Hellenic air force, but the recent delivery of a number of RF-4E Phantoms is likely to make an end to their operational life of over

twenty years in the near future.

| 11846 | 2/468/C | 28/4U/C |
|-------------------|---------|------------------|
| 11847/c | 27470/c | 28742/c |
| 11848 | 28717/c | 37468/c |
| 111252/c | 28728/c | 37584 |
| 111253/c (ex Klu) | 28730/c | 37588/c |
| 111259 | 28732/c | 37589/c |
| 111272/c | 28736/c | 37655/c(ex WGAF) |
| 117001 (ex Klu) | 28738/c | 37683/c(ex WGAF) |
| 117011 (ex WGAF) | 28739/c | (c=current) |
| | | |

LTV A-7H Corsair II

The first A-7H for the Hellenic air force was handed over to Greek officials at Dallas on 5 August 1975; accepting the initial Corsair was Lt.Gen. Pericles Economou, chief of staff Hellenic AF. Eighteen of the A-7H models were scheduled for

delivery to Greece by the end of 1975 , with the remainder being supplied during 1976 & early 1977. The first class of HAF pilots and maintenance personnel completed its A-7 training at USNavy's Cecil Field, Florida so that the Corsairs could be phased into operational status in a minimum amount of time.

In all Greece ordered 60 aircraft, which were to replace the Thunderstreaks of 345 squadron at Larissa and 338 and 340 squadrons at Chania.

For training purposes six two-seat TA-7Hs have been ordered, delivery of which should be starting in April 1980.

LTV/Greek production numbers were H-1 to H-60, with BuAer numbers 159662 to 159667 & 159913 to 159966.

Convair F-102A Delta Dagger

By the end of 1969 twenty F-102A and two (later augmented by another three) TF-102A Delta Daggers were delivered from USAF stocks. All were assigned to 342nd squadron, which had been a Thunderstreak unit at Larissa till then. The change from fighterbomber to interceptor missions implied a change of location and the unit subsequently moved to Tanagra. In 1976, after a relatively short period of service

PAGE 14: T-33A 29876 at Furstenfeldbrück in

PAGE 14: 1-35 250,0 at Larissa in July 1972; PAGE 15: F-84F 26879 at Larissa in July 1972; F-86Ds 18362 and 16151 at Elefsis in July 1972; C-47 92625 at Luxemburg airport (A. Booy).

165 16: 159928 A-7H an delivery at Hahn on 03.06.76; 0H-58A 70-8268 at Larissa in July 1972; RF-84Fs 28740, 27470, 27468 and 28739 visiting Rimini on 21.07.71 (F.Smith); F-84Fs 37175 and 26914 on exchange at Villafranca on 22.02.72 (F.Smith); Mirage F.1CG 106 at Mont de Marsan on 19.07.78 (S.Rutten). PAGE 16:

PAGE 17: F-104Gs 33643 and 47781 at Bitburg on 30.06.74 (J.vd.Oever/Take-Off/APCCS); RF-84F 28730 at Larissa in July 1972.



the Delta Daggers were phased out in favour of the Dassault Mirage F.1CG. A number is kept in use as decoy aircraft at Tanagra (T), while the remainder was seen in store at Elefsis (E) last year.

| F-102A: | 0-61024/T | 0-61056/T | TF-102A: |
|-----------|-----------|-----------|-----------|
| o-60981/E | 0-61025/E | 0-61059/E | 0-54035/E |
| 0-60988 | 0-61031/E | 0-61079/E | 0-62326/E |
| 0-61001/T | 0-61034/T | 0-61106 | 0-62327/E |
| 0-61007/E | 0-61039/T | 0-61125/E | 0-62334 |
| 0-61011 | 0-61040/T | 0-61232/E | 0-62335/E |
| 0-61016 | 0-61052/E | 0-61233 | · |

Lockheed T-33A

The original deliveries, both original and ex-USAF aircraft, were 'topped-up' in 1955 by a large number of T-Birds from redundant RCAF stocks. In 1972 more aircraft arrived from Holland, Germany and the United States air force and in 1975 another ex-WGAF batch was delivered. Until recently the 360th squadron had a number of T-33s in use for advanced flying training but this task has now been taken over by the Buckeye. Some 50 aircraft remain

| | -2 | |
|---------------|--|--|
| ce, scattered | over the various | us wings and |
| | | |
| * . | 29575/U | 36131 |
| | 29583/U | 41542/K |
| 21061/R | 29708/U | 41574 |
| 21131/R | 29736/U | 41583/K |
| 21219/R | 29846 | 41614/K |
| 21269/R | 29866 | 53028 |
| 21324/R | 29900/K | 54951/K |
| 21355/R | 29913/K | 58594/W |
| 21365/R | 29876 | 58642/W |
| 21367/R | 29925 | 58680/W |
| 21368/R | 29962/W | 58687/W |
| 21382/R | 34947 | 61755 |
| 21397/R | 35029 | 63663 |
| 21415/R | 35155 | 80516 |
| 21419/R | 35488 | 80594/W |
| 21469/R | 35490/U | 80642/W |
| 21472/R | 35492/U | 80680/W |
| 21494/R | 35493 | 80687/W |
| 21496/R | 35629/W | (R=ex RCAF) |
| 21501/R | 35786 | (U=ex USAF) |
| 21519/R | 35845 | (K= ex Klu) |
| 21528/R | 35889 | (W=ex WGAF) |
| 21575/R | 36000 | |
| 21596/R | 36006 | |
| 29561 | 36129 | |
| | the Hellenic 21037/R 21053/R 21061/R 21131/R 21219/R 21269/R 21324/R 21355/R 21365/R 21367/R 21368/R 21382/R 21397/R 21415/R 21419/R 21449/R 21496/R 21501/R 21519/R 21528/R 21575/R 21596/R | 21053/R 29583/U 21061/R 29708/U 21131/R 29736/U 21219/R 29846 212269/R 29866 21324/R 29900/K 21355/R 29913/K 21365/R 29913/K 21365/R 29962/W 21382/R 29962/W 21382/R 34947 21397/R 35029 21415/R 35155 21419/R 35488 21469/R 35490/U 21472/R 35492/U 21494/R 35493 21496/R 35629/W 21501/R 35786 21519/R 35845 21528/R 35889 21575/R 36000 |

Lockheed F-104G Starfighter

The Starfighter entered service in 1964, when a batch of 36 singles and two duals was delivered to the two air defence squadrons; these units, 335 Mira at Araxos & 336 at Tanagra had been operating the F-86D Sabre until then. More Starfighters were delivered from US stocks a few years later (five F-104s and 2 TFs) and in 1972 an additional batch of nine single-seaters and two duals were over from the Spanish air force.

The Araxos-based 336 Mira started receiving Mirage F.1Cs in 1976 and moved to Tanagra when conversion was completed. No.335 Mira subsequently moved from Tanagra to Araxos, incorporating the ex-336 Star-

fighters in its inventory.

The two-seaters are, together with the F-5Bs, gathered in an Operational Conversion Unit that was formed in 1978.

| F-104G: | | | |
|----------|---|----------|----------------|
| 2(1)2261 | | 2(1)2321 | (3) 12721 |
| 22302 | 5 | 22322 | 12722 |
| 22303 | | (3)12601 | 12723 |
| 22304 | | 12609 | 12725 |
| 22305 | | 12624 | 12726 |
| 22306 | | 12704 - | 12734/S |
| 22307 | | w/o 7.65 | 3(1)3638/S |
| 22308 | | 12705 | 33639/S |
| 22309 | | 12706 | 33643/S |
| 22310 | | 12708 | 4(1)7780 |
| 22311 | | 12709 | 47781 |
| 22312 | | 12711 | 47782 |
| 22314 | | 12712 | 47787 |
| 22315 | | 12715/S | (S⇔ex Span.AF) |
| 22317/S | | 12717/S | |
| 22318 | | 12719/S | |
| 22320 | | 12720/S | |
| TF-104G: | | | |
| (3)13025 | | (2)12273 | (2)12278/S |
| (2)12267 | | 12274 | |
| 12272 | | 12275 | |
| | | | |

Bell 47G

In all Greece received nineteen aircraft, ten of which remain in service with the Elefsis-based 357 squadron. The construction-numbers of the original delivered are 6692 to 6697, 6631, 6633 (all Bell 47G-3B2), 7892 to 7901, 7928, 7929 and 7973 (all Bell 47G-5).





On 2nd Thought

In reaction on the special 'Remotely Piloted Vehicles' in FLASH Nr.99, Andre Wilderdijk compiled the below article and also supplied the photos.

March 1973, Sperry Flight Systems received first contract from the USAF to develop drones from MASDC stored F-102As.

The choise fell on Sperry because of their specialization in unmanned drone targets. Since, around 1950, Sperry has been involved in RPVs (Remotely Piloted Vehicles) when it started on 3 F-80s, soon

followed by QT-33s, QB-17s, QB-47s, QF-104s. Sperry also took care of equipment for the USNavy QT-33s used at Point Mugu and China Lake. Instruments were supplied for the USN QF-86H, now only left at China Lake, N.W.C. Since a couple of years the firm also works on QT-38As.

The USAF asked for the unmanned PQM-102As to meet the demand for a more realistic representation of enemy aircraft. Targets like the BQM-34A and B-Firebees are only 1/3 the actual size of normal fighters, thus hard to hit.

Apart from the PQMs, some QF-102s were ordered. This QF is a normal manned version of the PQM and it is used for crew training and system check-out.

Sperry also converted one TF-102A, 62317 (named 'La Tina'). It is a one-of-a-kind conversion expressly for training in pilot-proficiency for the QF-102 test flights as well as ferrying.

The conversion to PQM-102As has been stopped and since a few months delivery of the PQM-102B started. This B-model contract runs through November 1981, at the rate of 4 per month. The B-model only differs from the A in having the remote control electronics in the nose instead of in the cockpit. Electronics are also simplified and improved.

Each F-102 passing through Sperry is given a 3digit number: QF models starting with 5, PQM-102As with 6 & PQM-102Bs with 7. The only TF-102 carries no number. The PQMs have red wing tips and tail for visibility. The QFs have their normal grey color-scheme and 'La Tina' is all grey, in a darker tone as the QF. Most original USAF painting at the moment has 61400. It is shiney white, with ared stripe on fuselage, tail and wings. No serial or data-block can be found on it.



During take-off, the aircraft is 'piloted' by two operators on a trailer: the 'MCS' (Mobile Control Station). This station along the runway flies the drone to the range where the FCS (Fixed Control Station) takes over. After the exercise the FCS flies the aircraft to the landing pattern, where controls are handed over to the GCS and it is then controlled for a normal runway landing.

A normal mission lasts about 45 minutes. If during the flight the ground stations loose contact, the target will self destruct after about 6 minutes. This explosive-destruct can also be commanded manually from the ground.

During the flight, the drone sends information to the ground-station, which is recorded for postflight evaluation.

Near the cockpit one forward and one afterwardlooking scooring-camera is mounted.

Pave-Deuces can be found at Holloman AFB, N. Mexico & Tyndall AFB, Florida.

Besides the USAF, the USArmy also practises on 'killing the Deuce' at White Sands Missile Range, close to Holloman AFB.

Known conversions, Sperry-numbers and eventual crash/destroy dates are as follows:

QF-102A: 61443 - 501 61081

And further:

61255, 61057, 53427, 41406,

| PQM-102A; | | |
|-------------|-----------------------------|--------------------|
| 61475 - 601 | crashed Holloman 1975 | 61434 - 627 |
| 61347 - 602 | | 61496 - 628 |
| 61400 - 603 | | shot down |
| 70870 - 604 | shot down White Sands 12-74 | White Sands |
| 61419 - 605 | | 8-76 |
| 61418 - 606 | shot down White Sands 12-74 | 70856 - 629 |
| 61487 - 607 | shot down White Sands 1-75 | 61474 - 630 |
| 61401 - 608 | | 61329 - 631 |
| 61330 - 609 | shot down White Sands 8-75 | 61398 - 632 |
| 61480 - 610 | | 70869 - 633 |
| 61489 - 611 | | 70781 - 634 |
| 70894 - 612 | | 61384 - 635 |
| 70883 - 613 | | |
| 61512 - 614 | shot down White Sands 5-76 | |
| 70771 - 615 | | 70807 - 643 |
| 61349 - 616 | | 61426 - 644 |
| 70855 - 617 | | 41385 - 650 |
| 61509 - 618 | shot down White Sands 6-76 | 41407 - 652 |
| 61460 - 619 | | 61208 - 654 |
| 61466 - 620 | | 61061 - 656 |
| 61360 - 621 | | 70832 - 660 |
| 70800 - 622 | | 53447 - 662 |
| 70776 - 623 | | 70829 - 663 |
| 61323 - 624 | | 70847 - 665 |
| 61336 - 625 | | 61048 - 666 |
| 61325 - 626 | | 61055 - 667 |
| PQM-102B: | ** | |
| 61256 - 700 | | |
| | | |

70786,

61380, 70830, 70825, 70832,

70849,

61340, 70792, 70823 61331, 61046, 41399

70854.





AVIAPHOTOS is the best way to get TOP quality photographs of Italian military aircraft. We can provide you with slides, colour and b/w prints of all the machines used by A.M.I., Esercito Marine, Carabinieri, Guardi di Finanza, etc, of all the various Stormi, Aerobrigata, Gruppi, Squadriglie, etc. Also, a lot of civil a/c. For a <u>free</u> list with descriptions, photo sizes, prices, contact immediately the Italian Agency of FLASH.

Frank Smith, Vialle Della Pace 164,36100 Vicenza Italy.

With the minimum of cost of the postage for your letter, you will see how many interesting, different and probably unknown subjects are missing in your archives!!!!

WANTED: Close-up views (photos, slides or even pieces of magazines) of the emblems of RNoAF's Skv.335, 717 and 718. As I need them to make drawings it would be necessary for me to know the actual colours. I will pay for them if necessary. Gonzalo Avila Cruz, Av.Dr.F.Rubio y Gali, 177 5 B, Madrid-20, Spain.

WANTED: Correspondents to exchange Kodachrome slides and baw negs of military aircraft only. Especially in Japan, Canada, Australia and Finland. Write to: E.I.S.G., c/o Via Aquileia 14 33010 Colugna (Udina), Italy.

BBB FLASH BOOK SERVICE BBBB

NEW - Observer's book of A/c 1979 DFL. 8,50

The editorial staff wishes to thank all those, who in one way or another, cooperated in this issue:

issue:

B.Berkemeijer J.Dubbeldam B.Ullings/API
A.Booy R.Farina G.Weinmann
B.Bot M.Leeuwis A.Wilderdijk
R.Breur D.O'Mahony R.Woort

EISG

S.Courtney-Warren G.K.Mast E.Döll J.Schoofs

19









FOKKER-VFW

T.A.T. is replacing its Nord 262s and Fokker F27 Friendships by Fairchilds. Three F.27s were sold to P.I.A. being c/ns 10230, 10296 and 10327. The Fair childs were bought due to the fact that they able to carry more passengers.

The Spanish Maritimes: D2-01 f/f 23-11-78 as PH-EXA, regd PH-FTK for crewtraining in Spain from 12 December till 19 January. Delivered on 6 April .
D2-02 f/f 20-12-78 as PH-

EXD, delivered on 28 February (so not D2-01 !)
D2-03 will be used for

while by Fokker, a.o. for demonstrations to Malaysia and the Philippines.

c/n 10595 seems to be a Maritime too, and it is to be used by Fokker as Demonstrator. Fokker F.28-1000 PK-GVP of Garuda (11094) was

forced to land at Denpasar, Bali on 6 March. After the passengers left the plane, it took off and cra shed into Mount Bromo, killing the crew .

Four F.27s of the Phillippine Air Force should have arrived at Ypenburg, reading this. As the ones earlier delivered, they will be completely over . hauled there, and return afterwards .

F.27 FRIENDSHIP WH-CAT/DoT, delivery to Air Anglia 20/1 10148/PhilippineAF. f/f after overhaul 100 10131 100

10148

| 10148 | 100 | 10148/PhilippineAr. I/I after overnaul |
|-------|-----|---|
| | | 11-12-78, redelivered on 19 January . |
| 10212 | 100 | 5Y-AAC, at Woensdrecht as 5H-MRH seen, |
| | | for Air Tanzania . |
| 10223 | 200 | 5N-AAZ/Nigeria Aws. Forced landing at |
| | | Kaduna Airport on 23 January 1979, w/o? |
| 10241 | 100 | 5X-AAP, at Woensdrecht seen as 5H-MRO, |
| | | for Air Tanzania . |
| 10257 | 200 | this aircraft should go to Niki Lauda, |
| | | for its new airline 'Lauda Air'. |
| 10298 | 100 | .LN-SUF/Air Executive Norway. Belly lan |
| | | ding at Oslo-Farnebu on 31-01-79. |
| 10310 | 100 | 10310/PhilippineAF, redelivered 23 Jan. |
| 10456 | 500 | ZK-NFC/Air New Zealand, crashed on ap- |
| | | proach into the Auckland Harbor on 17 |
| | | February. Aircraft written off. |
| | | |

| ichidaly: hittorare wiredon dra- | | | | | |
|----------------------------------|---------|---------|------------------------------------|--|--|
| 10575 | 4255 | _ | 10576 6256 | | |
| 10577 | 4257 | TU-VAD, | for Ivory Coast Air Force | | |
| 10578 | 4258M | PH-EXL, | for Bolivian A.F., TAM-90 | | |
| 10579 | 6259 | PH-EXF, | for Air Ivoire as TU-VIH | | |
| 10580 | 4260M | PH-EXM, | for Bolivian Air Force | | |
| 10581 | 2263MPA | | 10582 4 <u>265</u> M | | |
| 10583 | 4265M | | 10584 4 <u>266</u> M Bolivian AF | | |
| 10585 | 2263MPA | D2-02 | 10586 6 267 Ivory Coast | | |
| 10587 | 2263MPA | D2-03, | Spanish Gov't Demonstrator | | |
| 10588 | 6268 | PH-EXC, | for Bolivian AF? | | |
| 10589 | 6269RF | PH-EXD, | for Air Tanzania as 5H-MRM | | |
| 10590 | 4265M | PH-EX., | for Senegal A.F. as 6W-STE | | |
| 10591 | 4265M | PH-EX., | for Senegal A.F. as 6W-STF | | |
| | | | | | |

KLM ORDERS A.

Being Holland's biggest single order for aircraft on the civil market, K.L.M. ordered ten A.310s with Airbus Industries. At the same time an option on another ten was placed.

Deliveries of the 210-seater will start 1983 when the first four will arrive. The other six are due to be delivered in the two following years. With the arrival of the A.310, some Douglas DC-8 and DC-9s, currently flying on K.L.M. routes in Europe and to Africa, will be phased out.

The A.310s will be powered by two General Electric CF6-80As. The prototype of this engine should be ready at the end of this year. The engine has been designed out of the CF6-50 'High Bypass' turbofan engine and it is especially designed for aircraft with some 200 passengers.

Attractable features of the '80A will be its power (21,000 kg), its low noise, low weight and low fuel consumption compared with other engines.

According to statistics, airtraffic in Europe will grow with about seven percent ayear until at least 1990. Thus making the K.L.M. to choose between aircraft of about the size of A.310 and Boeing 767. One of the points of choosing the first is its cargolay-out. The A.310 is capable of carrying six standard LD3 baggage containers (also in use on K.L.M.'s Jumbo Jets and DC-10s) and three standard cargo pallets in the underfloor compartements.

For Airbus Industrie this order brings the total at 90 A.310s (half firm & half options). Financing by the way will come partly from reserves built up by K.L.M. and through long term loans in cooperation with Airbus Industries and General Electric.

Special thanks to Ian Wilson, Jaap Dijkstra, Ruiken, Herman Dekker, the R.L.D., Fokker-VFW and Airnieuws Rotterdam for their help .

PHOTO COMMENT: Based at Salzburg, Austria is this Aero Commander 500A OE-FPZ. On the aircraft can be read where it is used for.

PK-MVL Viscount in the blue and Lel

low scheme of Merpati, taken at Jakarta-Kemayoran 22 October 1878. Aviation Photos Int.B.Ulli ngs
An oldie but goodie, taken in the
U.K.by D.Murgatroyd. The Caravelle is registrated

OY-SAH of Sterling Airways .

DUTCH NEWS

The two Mc Donell-Douglas DC-9-32s which are on firm order for the K.L.M. are construction-numbers

48132 and 48133. These will be the 999th and 1000th Dc-9 deliveries !!!

In March, for the first time the total number of engine-powered (civil) aircraft exceed 600. Two of the aircraft accounting for this , have not yet been delivered yet but will introduce two, new , types in the Dutch inventory . Swearingen Metro PH-NLZ and Robin 2160 PH-BLO. Although delivery of the latter was planned around the 12th of April, problems at the factory has caused for some delay but at the time of reading it should have arrived. The Metro is due for delivery end April .

Business Air Service is said to have ordered a second Mystere. Wether the aircraft willbe second

hand or brandnew isn't known yet .

• A third Douglas DC-10-30 of Martinair has been leased to another airliner . U.T.A. is currently using one of the DC-10s for freight flights from Paris to West Africa. The only DC-10 left for Martinair Holland's own use is PH-MBG.

On 4 January , F-BVQD arrived at Hilversum for S.B.O.V. This Harvard should replace the crashed

PH-KMA, However, modifications which are necessary for registrating the oldtimer in Holland, were found too expensive. Therefor the aircraft was returned to its French owner .

Skylight BV has made a bid on five Piper Super Cubs currently based/stored at Madagascar . If the offer is excepted, they should be delivered by air to Holland or directly to England where the crafts would be resold after overhaul which seems to be necessary for all five aircraft . Registrations of the Super Cubs are: F-OALA, F-OBCG, 5R-MDD, 5R-MEC and 5R-MHG.

A.S.H. sold some 115 aircraft in 1978. the 100th sold Cessna was delivered as PH-IOO. Rumours, however, say this was, in fact done to mark the 100th issue of your magazine Flash .

More news from Air Service Holland and some corrections to previous informations:

PH-AXP T.210M (62673) delivered to Teuge as N6065B on 18-10-78, left the same day for Germany and the registration D-EGOM has been corected as D-EGOW

PH-AXQ F.152 f/f 14-12-78, del to Teuge 8-2-79 allocated D-ELCF but cancelled yust before painted on. The aircraft was stored till delivery on 29 -3-79 as D-EHFN to Dortmund.

PH-AXS F.152, del. to Teuge 8-2-79, and left for Seppe 2-3-79. It returned due to bad weather and

finally left the next day. Now registrated PH-VSO. PH-AXW should read FR.182RG (USA- built R.182RG) delivered to Teuge 1-3-79 together with PH-AXX. The latter's c/n was 0023 and not the 0024 as o-

riginally planned and is a FR.182RG too.
PH-LTM T.210M, del 24-7-78 Teuge, reregd D-EGSD and 23-8-78 to West Germany. Forced landing at Munster-Osnabruck 4-2-79. Dismantled 13-2-79 and on 20-2-79 by road to Teuge to be repaired .



for six months now, the N.L.S. Already situated at Beek Airport, in the south of Holland. At the moment the school houses a small, temporary building but the intension is to built a definite accomodation from where it can be fully operational which is now rather difficult.

Reason for the move from Zestienhoven to Beek was the trafficgrowth at the first airfield, making it impossible to do their work satisfactory : edu-

cating pilots.

N.L.S. is completely owned by Schreiner since 1968, and their current fleet consists of seven aircraft and two linktrainer. The future pilot starts its training course on the PA-28 War-rior II, and on the linktrainer (built by Piper at a cost of 400,000 guilders). The latter's purpose is to familiarize the pilot with the aircraft's instruments, and to learn flying from one beacon to the other c.q. blindflying. The Warrioir II, of

course, is for the real flying.
On these types, the pilot is enabled to get the B-3 certificate, for which they also practise on the Piper Navajo and a 'two-engined' linktrainer,

thus giving some experiences on bigger & multi engined aircraft.

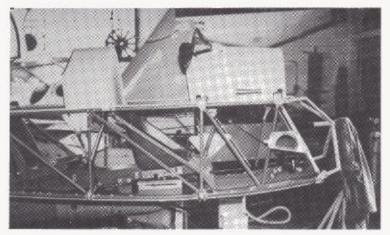
Leaving this stage of training, they also leave Beek. They continue at Schiphol with Fokker-VFW, where they are to fly on the Friendship and sometimes the Fellowship, depending on the pilot's destination. Going to Fokker may sound a bit strange to laymen, but most pilot are sent by Fokker-VFW. Some airliners, when ordering aircraft of this

factory, decided that a training via Fokker should give better results then training the pilots themselves. Thus giving a mixture of Nigerians, Ivoricans (Ivory Coast), Dutchmen and at the time of writing one man from Upper Volta, at Beek airport.

Although we only discussed the flying training itself, you surely must not forget the theoretical part of the schooling. As a future Nigerian Airways Fellowship pilot said: 'To fly is easy, but beware of the theoretical part!'. The latter gives us the reason why pilots ought to have a thorough grounding.

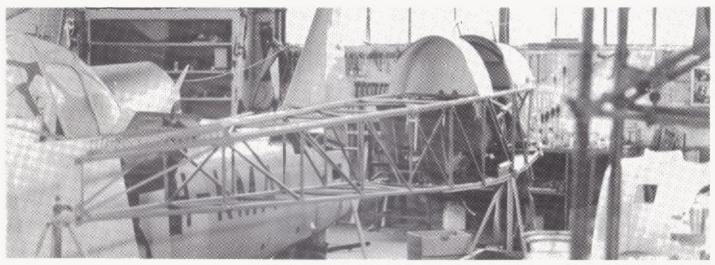






The S.B.O.V. is currently hard working on their Tiger Moth D-EDEM. Especially the cockpit is being beautifully restored as you can see on the picture left.

The photo benaeth not only shows the T. Moth but also the wracks of Harvard 'KMA and Safir 'UEG on the left, and the rests of the Tiger Moth which once layed at Rot terdam, on the right side.



DUTCH REGISTER MARCH 1979

| 200 | DIDDO | Trans. | ÷ / | Owner | Day | | |
|--|---------------|--|--|---|----------------|--|-------------------------|
| reg. PH-ATW | RLDno 2817 | | c/n | - · · · - · · | | marks | (|
| PH-BLO | | Reims Cessna F.172N | 1802 | Air Service Holland BV | | PH-AYB, ntu | (new) |
| | 2814 | Robin 2160 | 171 | Limburgs Luchtreclamebedrijf | ex | | (new) |
| PH-BNV | 2402 | Reims Cessna F.172G | 0240 | W.Daams | | G | (out) |
| PH-CAT | 2435 | Reims Cessna 182P | 0040/64129 | J.Visser | | H.J.M.M. van Do | |
| PH-CHF | 2811 | Fokker F.28-4000 | 11140 | Koninklijke Luchtvaart Mij NV | | | (new) |
| PH-CHI | 2821 | Fokker F.28-4000 | 11141 | Koninklijke Luchtvaart Mij NV | | | (new) |
| PH-CIA | 2350 | Reims Cessna F.172M | 1396 | St. Vliegschool Zestienhoven | | | |
| PH-DPL | 2803 | Reims Cessna F.172N | 1775 | Air Service Holland BV | | Delta Phot.Luch | |
| PH-HVS | 2055 | Reims Cessna F.172M | 0992 | St.Vliegmaterieel Lelystad | | Netherlands E.A | .S. BV |
| PH-KAG | 2816 | Reims Cessna F.150L | 0922 | P.A.H.Heuvelmans | ex | OO-WIJ | (new) |
| PH-NLZ | 2823 | Swearingen SA.226TC | TC-277 | Stichting Nationaal Iucht- | | | |
| | | | | en Ruimtevaartlaboratorium | ex | | (new) |
| PH-NPT | 2684 | Reims Cessna F.172N | 1641 | Air Service Holland BV | to | N.P.Teulings | |
| PH-PVW | 2826 | Piper PA-18-135 | 18-3535 | Luchtvaartbedrijf De Kempen | ex | 54-2335, R-107 | (new) |
| PH-SRW | 2824 | Robin DR.400/140B | 1398 | St.Vliegmaterieel Rotterdam | ex | | (new) |
| ?H-VSO | 2812 | Reims Cessna F.152-II | 1556 | St.Vliegmaterieel Hoeven | ex | PH-AXS (II) | (new) |
| PH-WWG | 2809 | Piper PA-32RT-300 | 32R-7885217 | Netherlands E.A.S. BV | ex | N22161 | (new) |
| | | _ | | | | | |
| PH-640 | 2822 | ASW.19B | 19237 | L.M.E van den Heuvel | | | |
| PH-642 | 2825 | PIK-20D | 20642 | R.A.Breunissen | | | |
| PH-643 | 2818 | Mosquito B | 146 | D.J.A.Teulings | | | |
| PH-648 | 2813 | ASW.20 | 20125 | J.J. van Steinfoorn | | | |
| PH-650 | 2810 | LS 3-a | 3234 | C.H. Munning Schmidt sr. | | | |
| PH-652 | 2815 | LS 3-a | 3167 | H.Everhardt e.a. | | | |
| PH-653 | 2820 | PIK-20D | 20656 | R.J. van der Linden | | | |
| PH-654 | 2819 | LS 3-a | 3140 | M.Onderwater en T.Ebing | | | |
| | | | | | | | |
| (2)(5)(2)(6)(6)(6)(6)(6)(6)(6)(6)(6)(6)(6)(6)(6) | 8000000000000 | ani 66 pali 66 pari 60 | SOUTH THE PROPERTY OF THE PROP | W. Marian Company of the Company of | INDERSO | THE RESERVE OF THE PROPERTY OF | NAMES OF TAXABLE PARTY. |









