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THE ISSUE AHEAD...

FORMATION...

FLYING SCALE MODELS - THE WORLD'S ONLY MAGAZINE FOR SCALE MODEL FLYERS



26



44



54



ON THE COVER

Gear down, flaps down, hook down - ALL DOWN! Ali Machinchy's Grumman F9F-8 Cougar on finals for landing at the 2013 Top Gun Scale International, in Florida. Full report in this issue.

Photo Tony Quist

AUGUST 2013 NO.165

6 CONTACT

Just for openers

8 TOP GUN 2013

The annual International Scale Meeting, reported by Graham Kennedy and Ali Machinchy

14 PACIFIC THEATRE CORSAIR

1/5th scale masterpiece from the Zirolì Plans and Belair cut parts

21 CORSAIR SCALE DRAWING

1:60 fine-line three views

22 SURVIVING FREE FLIGHT SCALE: PART 3

Designing fuselage structures fit for purpose

FULL-SIZE FREE PLAN

26 NIEUPORT 17

Peter Rake's 1/8th scale 40" wingspan for electric power

32 NIEUPORT TYPE HISTORY

Best know and most successful of Nieuport's line of WW1 fighter aircraft

34 NIEUPORT SCALE DRAWING

1:40 fine-line three views

40 NIEUPORT FLYING COLOURS

Warpaint for the Nieuport 17

44 JODEL D.117

Build this 50" replica

50 JODEL SCALE DRAWING

1:40 three views

52 TECHNO SCALE

Click on to more scale orientated web sites

54 SHAWBURY

Sunshine and warbirds from Shawbury

62 QUIET ZONE

Marvellous, super detailed Sopwith Camel

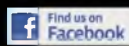
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CONTACT

DE HAVILLAND AT 100

Wobury Abbey in Bedfordshire will be the venue over the August 17/18th weekend when the de Havilland Moth Club International will be celebrating a centenary of De Havilland aviation.

Likely to attract a wide range of De Havilland aircraft types, it represents an ideal opportunity for close-up viewing of D.H. aircraft types, the oldest of which will be a full size replica of the Royal Aircraft Factory BE 2 which first entered service with the Royal Flying Corps 100 years ago and was designed by Geoffrey De Havilland at a time before he founded the manufacturing company that bore his name.

Scale modelling enthusiasts can expect a wide range of De Havilland types to be available to view and photograph, offering a golden opportunity to capture close-up detail for a current or planned model of a De Havilland type.

Ticket prices 'on the day' cost £10 per person on Saturday Aug 17th, and £15 on Sunday 18th; with accompanied under-16s admitted free. Discounted prices are available for advance tickets bought via the internet. Additional details of all ticket prices and VIP 'Club Enclosure' hospitality, along with further news of this great event can be found at www.mothsatwoburn.co.uk



GIBBS TO THE RESCUE!

For many aeromodellers, Scale or otherwise, who have spent many decades of their modelling lifetime relying entirely on internal combustion engines to power their models, it becomes difficult to translate that experience matching i.c. engine power loadings across to electric power so that, even though electric power is an established every-day method of powering a model aircraft, the electric power discipline is still something of a 'black art'.

Andrew Gibbs is well known in the R/C electric model aircraft field, for his many articles written in model magazines and for his extensive series of Gibbs Guides, that deal with many aspects of electric power for models. Now, Andrew has made a further step in his personal contribution to making electric power more understandable, by launching his own e-magazine Successful Electrics Issue No.1, now available via email includes a wide range of how-to material including:-

- How to get more performance-without buying a new motor.
- Glow to Electric Fly Baby conversion project
- Electric Power System Guides

For further details of how to receive this useful information source, contact Andrea at andrew@gibbsguides.com



BIG PETROL TWIN

Roto Motors is based in the Czech Republic, and their UK agent is J.Perkins Distribution. The Roto range of spark ignition petrol-fueled two strokes include from 25cc and 35cc single-cylinder engines, plus the Roto 50 and Roto 70 horizontally opposed twins of 50 and 70cc displacement respectively.

In each case, the engines offer rotary valve induction, and come with fully shielded ignition systems to prevent interference with R/C systems.

Prices range from £229.99 for the 25 cc Roto 25, to £519.99 for the Roto 70.



FLIGHTLINE TOOL TIDY

The E-flite Fieldmate Pro is a flight-line toolbox/caddy specifically tailored to the needs of R/C electric fliers. It is designed to provide easy access and storage for the equipment you have and need most.

Key features include: tailored storage compartments for CA and CA accelerator bottles; fast-access tool storage; a high-gloss stain resistant varnish inside and out on every wood surface for long-lasting durability; plus a slide-out platform that provides a convenient work surface on which to rest batteries during charging.

The field box is suitable for carrying either a 12V gel-cell battery or an AC power supply and features generous storage space with magnetically-locked drawers and doors.

Designed to fit a wide variety of charger types, the box has large easy-access compartment to keep battery packs organised and a wooden handle provides a good grip and perfect balance.

Price, from Horizon Hobbies stockists is £52.99



SBACH 342

Among the latest generation full size unlimited aerobatic aircraft is the Sbach 342 from Germany and has quickly become a favoured mount among full size competition aerobatic pilots.

ARTF model kit manufacturer FMS has been quick to latch on to this, offering a 51" (1300mm) wingspan scale replica.

It suits electric motors is the 3648-KV760 range controlled from a 60 Amp ESC.

Main features of the aircraft include: Resin moulded cowl; resin radial grille; factory applied decals; accurate scale undercarriage; and a three-bladed 13" x 5" propeller.

Items required to complete the model include a 2600-3000mAh 4S LiPo battery and five-function transmitter and receiver.

Retail price is £169.99.

GATHERING OF EAGLES

As most students of aviation history, particularly the WW2 period, the RAF's Eagle Squadrons were manned by American pilots who joined up prior to USA's entry into the war in December 1941 and

Many of these air combat experienced pilots later transferred to the US Army Air Corps when the first elements arrived in UK in May 1943., when King George VI and Queen Elizabeth welcomed a nucleus of the 78th Fight Group, with their P-47 Thunderbolts to RAF Duxford.

To commemorate that arrival a group of current historic warbird operators recently recreated 'The Eagle Squadron' to perform at UK air shows during this years summer season, commencing with the Imperial War Museum's Spring Air Show, flying aircraft representative of those operated by members of the original Eagle Squadrons' and the USAAC during the period. These include Hawker Hurricane Mk.X, Supermarine Spitfire Mk.1,

Republic P-47G, and North American P-51 Mustang, plus Boeing B-17.

On the day following the IWM Spring Air Show, all four fighter types left IWM Duxford forming with the Sally B Charitable Trust's B-17 for a tour of airfields in the east of England and East Anglia to commemorate the actions of USAAC operating from UK during the 1942-1945 period, overflying a whole series of wartime airfield sites including Bassingbourn, Madingley, Mildenhall, Bodney, Knettishall, Horsham, Thorpe Abbots, Halesworth, Leiston and Debden, before returning to Duxford.

Noteworthy in those commemorative journey, was the return to UK and European Skies of North American P-51C Mustang 'Princess Elizabeth', subject of a lengthy and painstaking restoration, some years back by the Duxford-based 'The Fighter Collection' and then sold back to USA, to the Freidkin Collection - which brought the aircraft back for the commemorative event where it formatted with TFC's equally epic restoration project, their Republic P-47G 'Snafu'.



ON-THE-SPOT REPORT BY GRAHAM KENNEDY, WITH PHOTOS BY ALI MACHINCHY

TOP GUN

When you receive an e-mail from Frank Tiano asking you to become the newest judge on the Top Gun flight panel, there is only going to be one answer. Having watched and followed this event for 20 years, I knew to expect a completely different experience from my previous International judging trips at Jet World Masters or F4 European or World Championships.

The Top Gun invitational is the brainchild of Frank Tiano and it's current home is Paradise Field, a purpose-made grass runway within the grounds of

Lakeland Linder Regional Airport. 2013 saw the 25th anniversary of the event and thus, a stellar international field of 107 (from five continents) gathered to display their building and flying skills

from May 1st-5th.

Before flying out to Orlando with the existing British judge on the panel, Chris Allen, I had to familiarise myself with the event rulebook; although the event has

Model aviation photos do not get much better than this! Stunning shot of David Wigley's Bristol Beaufighter masterpiece at the moment of torpedo release! Not only was it built to near perfection, it was flown equally as well!





You know you are doing well when your pit man and caller is world famous ex-Formula one racer and now indy car racer Juan Pablo Montoya. (Pete Goldsmith is the taller one for those who don't follow motor racing!). JPM is a regular face at these Florida events, and enjoys assisting Pete, and the pair always do well!



The Republic P-47 Thunderbolt certainly seemed to be the plane of choice this year. None were bigger than Brian O'meara's! A ZDZ 420 cc flat-four hauls this beast around the sky with ease.



Despite looking rather like a somewhat streamlined built-in headwind, in its day the 1950s/60s era Saab 29F Tunnan was a first class fighter aircraft, but is was sadly destroyed during the event.

It's own specific rulebook, I was thankful that the vast majority of the flight manoeuvres are exactly the same as we fly in the UK.

For those of you not familiar with the event, a brief summary of the classes are as follows:

Masters: in this entrant has designed and built the entire aircraft

Expert: the entrant has built the entire aircraft

from a commercially available source

Tea: there is a designated builder and owner/flyer

Unlimited: the 'NASCAR' class - a minimum team of three and a maximum of six are involved with a single aircraft and wear team uniforms

Pro-Am Sportsman: the entrant has never placed in the top 30% of any Top Gun event

Pro-Am Prop: upper division of Pro-Am

specifically for prop aircraft

Pro-Am Jet: upper division of Pro-Am specifically for jet aircraft

Given the fact that the first five classes listed all contain a structured, static element and the upper weight limit is 125lbs, you can see that there really is something for everyone.

Top Gun is a scale event like no other in that up to five aircraft are in the sky at





The Top Gun flight line. Clear skies and warm temperature made the sun shades much appreciated! In foreground, Dave Wigley's Bristol Beaufighter is prepared for flight.

any one time - each pilot flies at the same station and the judging pairs rotate to a different station each day, ensuring that each pilot flies in front of each set of judges.

Given the fact the judging stations are a mere 25 metres apart, I must admit I had some reservations over the risk of mid-air. However, I have to say these fears were completely unfounded. Granted, the flight station controllers and your caller need to be alert and you have to be prepared to go around again for a manoeuvre due to traffic, but the mid-air risk is extremely minimal. The event moves slickly and thanks to shorter flight schedules than I am used to, the judging sessions are over and you are relaxing with the fellow judges and competitors and preparing for the next day of competition.

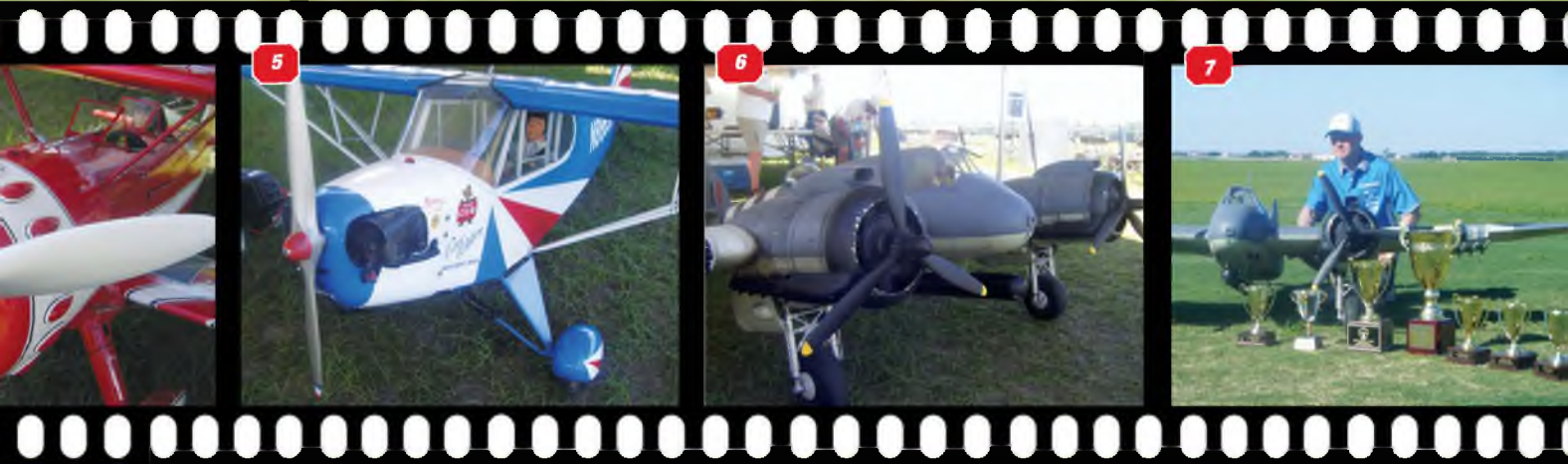
The whole approach to the flight part of the programme is tackled in a completely different way to what we are used to in the UK. Before each flight, the entrant comes and introduces himself, his aircraft and his schedule(!) to the judges. At first, I thought this would get on my nerves as the competition progressed, however, in the end I was very intrigued to discover exactly how each competitor would describe the individual manoeuvres. To be perfectly truthful, it



Pilots had a slight cross-wind to deal with on a few days during this year's Top Gun. Jeff Foley holds off his Messerschmitt Me109E flown to 2nd place in Masters class . Luckily the near perfect grass runway was a lot more forgiving on the wing tips than asphalt would be !



1: Fine cockpit detail and excellent canopy frame on Beech T-34B Mentor entered in Team Class by Mark Frankel and John Glezellis. **2:** Roy Vaillancourt placed 4th in Master Class with his Hawker Typhoon 1B. Roy's Vailly Aviation offers plans. **3:** Stinson SR-10 Reliant by Rudy and Jack St.Clair placed 5th in Unlimited Class. **4:** Boeing PT-17 Stearman was Team Class entry by Walt Carnes and Greg Foushi. Walt is builder, Greg the pilot. **5:** Jack Buckley's Reed Clipped Wing Cub, flown in Expert Class. **6:** Nose detail of Dave Wigley's Bristol Beaufighter reveals excellent and realistic 'weathering'. **7:** 'Top Gun 2013', and winner of Master Class, Dave Wigley.





Airworld Grumman F9F Cougar, 2nd in the Unlimited Scale class, built Joe Castelaee. The Airworld Grumman F9F Cougar and flown by Ali Machinchy. (photo: Tony Quist).

actually went against some of the flyers who went into a lot of detail because in the end they did not execute what they had described. Incidentally, when I spoke with UK Top Gun veteran, Richard Crapp last week, he was not aware that this initial introduction to the flight occurred - I am sure he will be rehearsed for his next visit.

Another interesting aspect is the in-flight

commentaries provided by competitors. Once again, some of the flyers provide far more detail than others and almost advise you of each input. By far, the most entertaining description is for the missed approach, i.e. an overshoot. I will admit that I had tears in my eyes (due to laughter I hasten to add) with one of the very first competitors who executed this manoeuvre. Everything seemed normal

as the aircraft was rounding on to base leg and then finals and slowly descending towards the runway. Then suddenly, the pilot exclaimed "S**%* - there's a god-damn chicken on the runway. Abort! Abort!"

The pilot then yanks back on elevator, then slams open the power and makes a hasty get away. When I eventually regained my composure, I did manage to



Dustin Buescher brings his Skymaster Lockheed F-104 Starfighter back to the field for a perfect landing at the end of Round One.



A relatively new competitor, young Kyle Goodwine flew his Boeing B-17G sensationally to secure a first place in Pro Am prop class!



It was not all fossil fuel burning jets. Dustin Buescher doing a fly by with an EDF powered MiG 15. It's amazing to thing that electric ducted fans can perform so well as to be competitive at an event like this. Dustin placed a very credible 3rd in Team scale.



Albatros D.V flown by Richard Feroldi in Masters class.

mark the manoeuvre. This ended up being quite a common occurrence with the competitors obviously tailoring their descriptions to suit their aircraft - you would not believe the amount of dogs, cats, chickens, cows, grizzly bears and tigers there are lurking on runways in the Americas.....

As far as the judging itself is concerned, there are a good number of differences between Top Gun and FAI or BMFA rules. Luckily, I had two very good mentors in Chris Allen and Richie Roberts to help with my initiation. Chris is another well know judge within the UK and World FAI circuit, who was making his fifth trip to Top Gun. We had chatted several times about the judging styles and thus I arrived at Paradise Field knowing what to expect. I was then paired with Richie (a Top Gun judge veteran of 15 years) for the first three days of competition. Before the comp actually started, Richie and I watched several practice flights and discussed the marks we would give. This allowed me to calibrate my thinking and adapt my judging style. In general, a far smaller spread of marks are awarded than what I would use in the UK - hence, when you look at the results, there is far less differentiation than what you would see in the UK. I must admit this does serve up a far more intriguing event, as the event can be won by points of a mark. Thus, by the time competition began, I was prepared and ready for action.

For those of you who are intrigued to learn how a Top Gun flight is judged, did you know.....?

- The Top Gun flight score is made up of ten individual items, marked 0-10 with no coefficient. Therefore, the maximum score is 100.

- Take-Off and Landing are of course marked, as is Realism. In Realism, most emphasis is given to speed and the size of the circuits and angle of bank relative to the aircraft. In all honesty though, the vast majority of US competitors fly much higher than scale speed.

- There are two further mandatory manoeuvres, a slow/dirty pass and a fast pass. I have to admit I far preferred judging the slow pass as it gave the pilot the opportunity to show off their aircraft and their skills. It is also rather difficult to differentiate between a slow and fast pass of an Albatros D.V, or the like.

- A touch-and-go is counted as two manoeuvres, the descent to touch and then the run along the ground and climbout. This is definitely a good manoeuvre to pick if you have a reliable aircraft with excellent ground handling.

- The competitor can nominate how he would like the roll to be judged, i.e. level or climbing finish or even 90 degree exit. You do of course have to nominate this beforehand.

- The airshow break is a very popular manoeuvre, i.e. level entry down the runway and then pull a sharp 180 degree turn in front of the judges.

- An overshoot can be chosen by any

aircraft - in the UK, this option is only available to non-aerobatic aircraft.

- If you call a half-cuban and execute an Immelmann, you will still receive approximately half marks - in the UK, you would score ZERO.

- If you have a dead-stick or flame-out you call and emergency landing and you would not be penalised for landing off the runway, or landing with the gear up.

- If you are caught in traffic as a result of other aircraft due to land ahead of you, you will not be penalised if you land



Lou Centangelo prepares his Supermaine Spitfire Mk.IX; 8th in Pro-Am Sportsman class.

short of the runway (again, you have to call an emergency landing)

- Even if your landing results in a crash (aircraft damaged or on it's back), you will still receive a score for this manoeuvre. Again, within the UK, you would score ZERO.

I have to say that for an experienced judge, this all becomes second nature very quickly - well, I would say that wouldn't I?

As for my conclusions - a professionally run event with a friendly atmosphere and one I am already looking forward to in 2014 - if you have the opportunity to attend, I'd thoroughly recommend it. ■

Winner of the Pro-Am Jet Class Joey Tamez flew this BAE Hawk, finished in Royal Saudi Air Force colours.



Pacific Theatre CORSAIR

When Paul Rice was asked to build a Corsair by Mark Finneran, the Zirolì plan came top of the list



R



When FSM visited Paul 'Limey' Rice's professional scale model workshop recently, he was putting the finishing touches to a superb 1/5th scale Chance Vought F4U-1A Corsair. A week later I was invited to the test flight, and naturally, I took my camera. I was truly impressed by the scale finish Paul had achieved. This excellence was made all the more apparent later in the day, when the Ziroli Corsair found itself parked next to a mass-market Corsair ARTF.

Chance Vought Corsair

The 'Bent Wing Bird' is an iconic WWII scale subject, which continued in front-line US service well into the Korean War. It remained in production for eleven years, demand being such that the type was built by a variety of sub-contractors. In all 12,571 Corsairs were made.

Originally conceived as a carrier based aircraft, the aircraft's tendency to drop a wing at low

speeds, coupled with the difficulty of seeing forward over its long nose, made it unpopular with inexperienced carrier pilots. One cruel nickname was the 'Ensign Eliminator'.

In the Pacific War, although the type could be out-maneuvred at low speed, the Corsair proved faster and climbed better than the famed Mitsubishi Zero. The Corsair was a famously tough aeroplane, and possessed tremendous fire-power. In fact, it was able to fire off 2,300 rounds in just 30 seconds. It is a little known fact of aviation trivia that the last Corsair only left service in 1979, when retired from the Honduran Air Force.

Documentation

The Corsair is a scale subject beloved of generations of flying scale modellers. However, this very familiarity means that most schemes have been done to death over the years. So, when it came to this hand-built model, a special Royal New Zealand Air Force scheme was chosen. This scheme was

Paul has added just enough "dirtying-up" with airbrush and chalk to suggest a serving front-line aircraft.

MODEL SPECIFICATION

Scale:	1/5
Wingspan:	93"
Weight:	32lbs
Engine:	3w 75cc Petrol Engine
Prop:	24"/10" Menz.



1



2



3



The original petrol engine, as used in the Test Flight, proved too powerful.

1: Trade mark Corsair fin and rudder, and that odd tail-bulge to the fuselage. Note inspection hatches. **2:** Time consuming but effective cockpit detailing. Paul used the Dynamic Balsa (USA) cockpit kit. **3:** Flap detail is faithfully reproduced. **4:** Surprisingly slim elevator on the Corsair. **5:** New Zealand variant! **6:** Some called the Corsair Old Hose-Nose. From this angle, you can see why.

based on a folder of documentation put together by Mark Finneran, who commissioned the model. It included photos of a repaint for the Aircraft Factory F4U Corsair, representing NZ 5255, an aircraft of No. 18 Squadron / No 4 Servicing Unit, as it flew from Bougainville in June 1944. The aircraft was lost on August 29th, 1944 whilst Flt/Sgt R.L. Bailey was strafing ground targets southwest of Bougainville.

Plan

The model is built to the celebrated Nick

Zirolì plan. It is built to 1/5th scale and spans 93 inches.

Construction

The construction is entirely traditional balsa and ply, based on a Belair short CNC-cut kit.

Fuselage

Construction is the typical crutch-built system, which provides a true straight fuselage with no warping and is sheeted with 3/32" balsa. It was then glassed with 3/4 oz cloth and Zap finishing resin.

Wings

These were traditionally constructed on a flat bench, employing a washout jig to provide the correct 2% washout. Paul used Hysol epoxy on the landing gear bearers. It is strong, yet just flexible enough to give a little in a hard landing, without jarring the area, or creating stress-cracks in the wing skin. Paul also add BBQ skewers in key points to act like dowels for added strength.

Short lengths of BBQ skewers were also used in the leading edge, in conjunction with balsa triangular fillets, to tie the balsa





leading edge to the ribs in a cross pattern. This prevents the leading edge de-laminating in a hard landing. The wings are also sheeted in 3/32" balsa.

Tail

Tail surfaces are all traditional built-up structures. Here again, Paul used *Hysol* to attach them to the fuselage for added strength.

Engine

The model first flew on a 3w 75cc petrol engine. However,

this is being changed for a Zenosah G62, as the 3W unit proved too powerful.

Prop

Menz 24" / 10".

Exhaust

Paul used *Bennett* mufflers direct from USA. He reckons that this type of muffler does not restrict the motor, yet adds a nice note to the engine.

Undercarriage / Retract

The Corsair uses *Robart* mains





7: The commercial resin-moulded dummy engine has had a lot of additional work by Paul to finally look like this. **8:** Another Corsair trademark faithfully reproduced. Sympathetic weathering too. **9:** Robart's retracts used for the mains. **10:** Notice detailing Paul has applied to the interior of the gear door! **11:** Paul use Bennet Mufflers for the petrol engine. **12:** Robart tailwheel assembly.

and tail units. These are nicely made units from a reputable company.

Covering

Paul used 3/4 oz cloth, covering it with two coats of finishing resin. Paul then primed the plane with automotive high-build primer, then block sanded it until nearly all the primer has been sanded down. He then repeats this step up to three times to provide a flawless surface for painting, minus any lumps or bumps.

Painting

A most interesting tip is that Paul has used water-based paint on all his models for the last 15 years. He chooses blends of normal domestic matt finish household paints. Luckily there is a local paint company that has stored all his specific 'warbird' colour mixes on file for him.

Another surprising painting tip is that Paul then mixes his paint with windscreen washer fluid. Paul points out that this gives you more work time with the



paint, and also helps it to lay better when drying, so at the end you have a nice uniform finish. We live and learn!

Legending / Decals

Paul uses vinyl paint masks on all his models. All detailing is hand painted.

Scale Details

Paul draws the panel lines on first with a pencil and then goes over them with panel line tape. He then paints the model with a silver base coat, and peels off the panel line tape. This leaves an indentation replicating the panel lines. After that, he then applies hatches and covers in their respective

places, which are pre-cut from a very light foil.

Paul then paints the entire model, and uses various coarse items to scratch and scuff the paint revealing the silver base coat. This yields a realistic 'operational-use' look. Finally, Paul used an air brush and chalk in some areas to "dirty up" the model.

Scale cockpit

The scale cockpit from Dynamic Balsa (USA) is a really great addition. Paul reports that you have to do a lot of work, but it gives you the basic panels to start begin with. Paul also added a sliding canopy mechanism to show off the cockpit.

Flying notes

The model flies exceptionally well, and the flaps impart a comfortable and stable landing speed. She looks superb in the air. The model is highly manoeuvrable, but care must be taken on roll-out not to apply too much power too soon, or a swing will result.

Although she flew immaculately, it became immediately apparent during the test flight that the first choice of petrol engine unit was proving far too powerful, so Paul is about to replace the 3W 75 with a Zenoah G 62 petrol engine. ■



Control response is commendably sharp for a warbird.

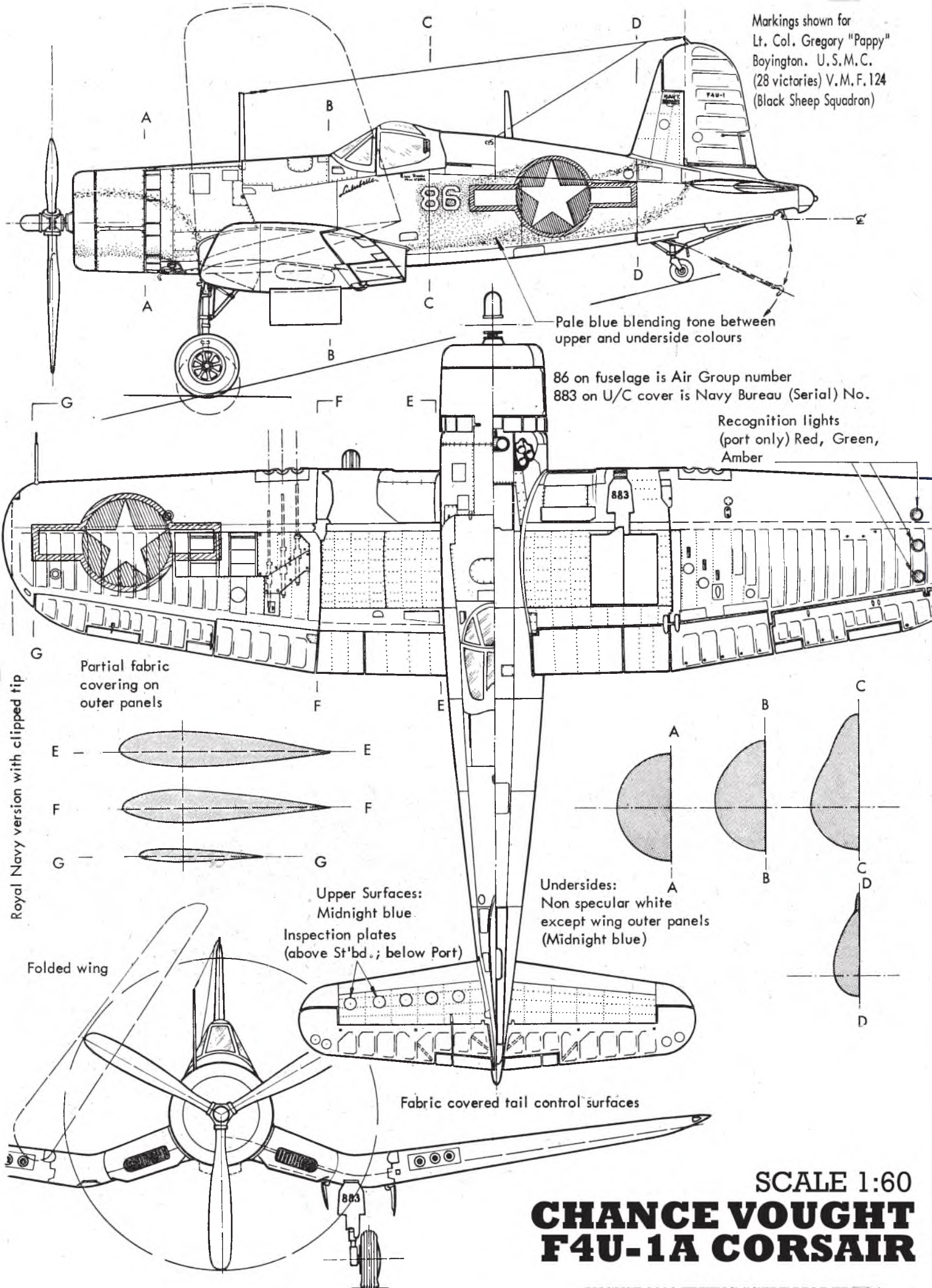


A very convincing rendition of a serving Corsair.



The size of the pilot gives you some idea how huge the full-size Corsair really is!

Markings shown for
 Lt. Col. Gregory "Pappy"
 Boyington. U.S.M.C.
 (28 victories) V.M.F. 124
 (Black Sheep Squadron)



Pale blue blending tone between
 upper and underside colours

86 on fuselage is Air Group number
 883 on U/C cover is Navy Bureau (Serial) No.

Recognition lights
 (port only) Red, Green,
 Amber

Royal Navy version with clipped tip

Partial fabric
 covering on
 outer panels

Upper Surfaces:
 Midnight blue
 Inspection plates
 (above St'bd., below Port)

Undersides:
 Non specular white
 except wing outer panels
 (Midnight blue)

Folded wing

Fabric covered tail control surfaces

SCALE 1:60

**CHANCE VUGHT
 F4U-1A CORSAIR**

Surviving Free-flight

Part 3: Looks at fuselages - building in strength, but keeping it light!

Crunch, bang, wallop! - another good arrival from a scale free flight model! Cartwheels, pirouettes and somersaults are all within the scope of the average scale model, the trick being to survive these antics and remain flyable for the rest of the competition or day's flying.

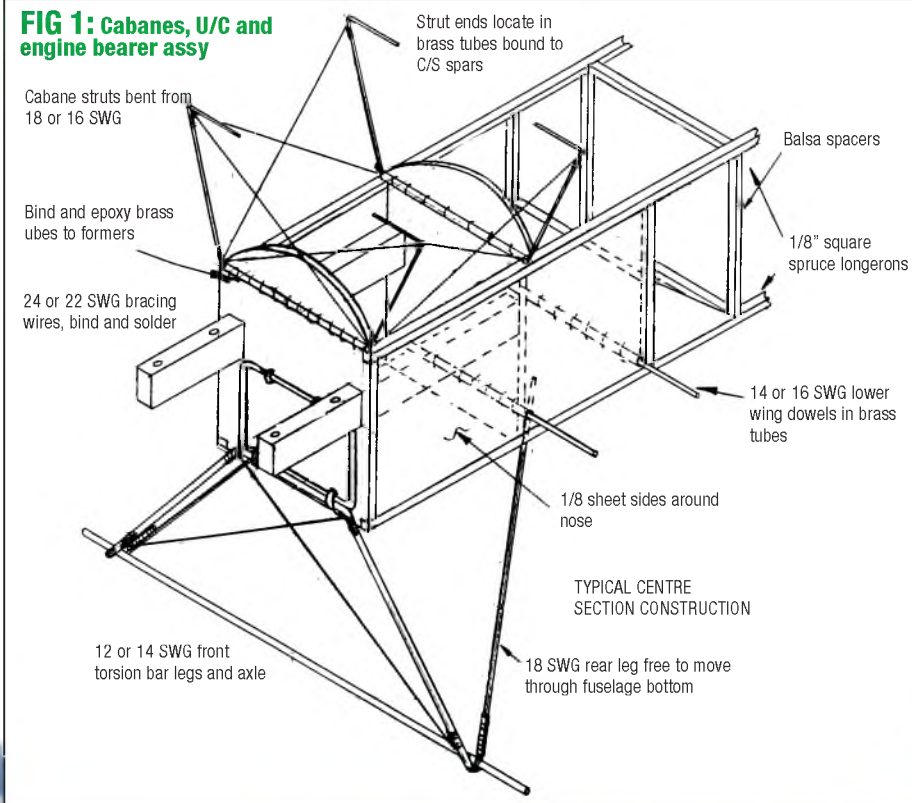
Keeping it all together

The fuselage has to take the brunt of these landings and remain true and beautiful, or the next landing will seriously damage your pride. Your wings survive because they are flexible and light, but they also distribute much of the impact loads through wire wing dowels into the cabane struts and fuselage. Added to this

is the inertia of the engine and, out on a limb, at the rear is the tail, not to mention the mass of the undercarriage - you begin to see that the fuselage has a great deal of work to do in order to keep the ingredients together.

The fuselage

The basic fuselage structure can consist of a box construction with four longerons and spacers, with formers, stringers and sheeting added, to produce the characteristic shape of the subject aircraft. Otherwise, the subject may be of the 'spam can' variety (stressed skin, metal or wood), in which case a crutch and half former type of construction with sheeting is used. Most structures are of the fabric covered open structure variety - mostly biplanes, for the reasons described in last month's piece. The subject aircraft plan that you have drawn or modified needs, (depending on its size and weight), either hard balsa or spruce longerons. For the smaller 36" span biplane, hard 1/8" square balsa would suffice, but for the larger models, 1/8" square spruce is nearly indestructible (at least, so far!). For spacers, medium to soft balsa and as an adhesive, I recommend PVA wood glue - it may take a longer, but the results are neater. At the nose of the amodel, and rear to the undercarriage mountings, the space between the longerons can be filled with soft 1/8'



“ it pays to give careful thought to the design of the u/c, the most heavily - abused part of your aircraft.”

Scale *by Andrew Hewitt*

Andrew poses with his 'flying razorblade' Fokker, shown uncovered in last month's article. High wing monoplanes are a good subject to start scale free flight competitively, offering simplicity and stability. The Fokker incorporates all Andrew's advice given here.





Undercarriages are always vulnerable on F/F scale models - Some of the early training aircraft had a skid to prevent nosing over - in model form, it can take some of the load off of the main legs - and the prop!



The Tiger Moth - a classic biplane that is very popular, with numerous sources for good documentation and colour schemes - there must be one near you!

sheet balsa. Depending on the subject And its nose contours, the hardwood engine bearers can be epoxied to this sheeting at the the centre section, provided that the nose is not too long. Why? The answer is that to help dissipate loads into the structure in the event of a 'propeller-nut-landing' or, for the transfer of loads down the centre section wires into the fuselage and bearers from the more common cartwheel. The undercarriage is usually situated in this

area also, and so it pays to give careful thought to the design of this heavily-abused part of your aircraft.

The centre section

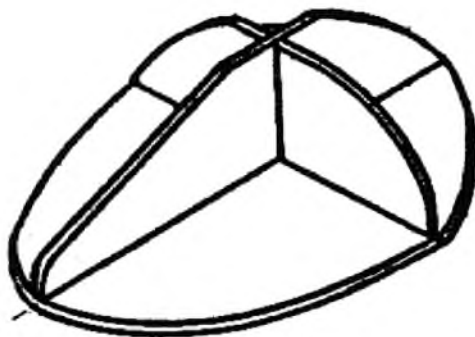
This is probably the most highly stressed area of the model and also the most critical for setting and maintaining the upper wing incidence. The structure needs to be strong and flexible in order to survive and we achieve this using piano wire in brass

tubes for the main struts, cross braced as per full-size, using finer piano wire bound and soldered to the struts (see Fig.1). Each cabane strut is accurately bent to shape over your plan, if you get it wrong, scrap it and try again! The consequences of using a slightly incorrectly shaped item may require the services of a psychiatrist! I

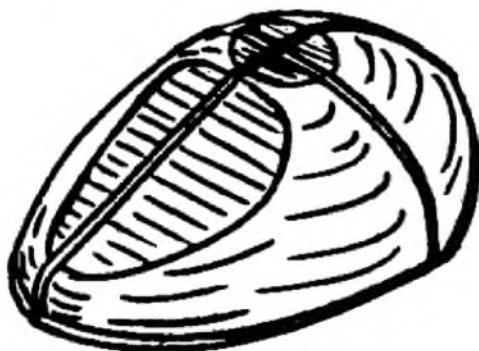
have a large box of 'nearly right' shaped cabanes! Don't forget to slip the brass tube over the wire before bending the second strut area, as this is even

FIG 2: Simple cowl master for making a plaster mould

Produce basic cowl shape from card board formers



Fill in between card formers with plasticine to make form block



The Bristol M1 monoplane is a firm favourite with 1/11 scale modellers. In the air, it's easy to see why - generous areas and shoulder wing - got to be careful with that short nose though!

more embarrassing. With two correctly shaped cabane struts and six feet of strangely contorted scrap pieces, your top wing incidence is almost assured.

With the top wing centre section built but not covered, the cabane struts and centre section are jiggled into the desired position, using card and balsa scraps. The fine piano wire bracing is now accurately formed to shape and bound and soldered. The wing centre section can now be removed, the top decking to the fuselage added, and the struts faired to correct shape. This is quite fiddly to do, but I have found no easier alternative. The top wing centre can now be bound to

the cabanes and epoxied in place. You will now discover the joys of trying to cover the underside of a centre section, in between the wires and struts!

Undercarriage

The undercarriage also needs careful thought, because it does see an awful lot of business. The only real bomb-proof undercarriage is the torsion bar variety, as drawn in Fig. 1. For smaller models, the scale bungee-type of springing is quite adequate, as seen on WWI aircraft. For the larger models, the torsion bar system is by far the best. This relies on just two legs doing all the work, the remainder of the scale legs needing to be collapsible, or free to retract into the underside of the fuselage. The only problem with them is the accurate bending of heavy gauge wire and the anticipation of the amount of 'set' required. This means the legs have to be bent with a slightly forward rake, as your first landing will bend them into their final position! The balsa and ply fairings fitted to these legs need to be double covered in silk or nylon, to prevent them splitting.

Decking

Turtle decks and stringered fuselages should be reproduced as per full-size formers and stringers. The formers can be light balsa, but the stringers should be spruce to prevent the awful starved horse effect once the covering is doped. Top decking and sheeted areas should be per full-size, using balsa or 1/64" ply.

Cowlings

The characteristic shape and form of an aircraft's cowling and its accurate reproduction can really make a good scale model stand out from the crowd. Metal bashing has been well documented in all the current magazines, but the skills required I have not yet



Blue foam can be used to form difficult to reproduce contours, as it is easy to sand and provides a good surface for tissue applied with thinned PVA adhesive. This is not one of Andrew's models, it is the editor's indoor Bristol M1.



Another high wing monoplane that flies very well is the Sopwith Scooter - only two were built, I think, so colour schemes are limited! An ideal candidate for Andrew's build techniques.



The unusual fuselage profile of a paper project Handley Page transport spec submission. Doesn't qualify for scale comps, but flies great and looks different. Unlike Andrew's preference the U/C is rigid, with elastic band 'Springing' for the axle. Plug-in wings with banded wing struts follow the norm for this type of model.

acquired, so I reproduce straight panels with lithoplate. Rivets and panel lines are easily scored into the surface using a pen on a soft surface like a thick jotter - Plasticard is also suitable for these applications.

The compound curved cowlings are reproduced using balsa block or fibreglass. To produce a fibreglass cowl, I first carve an exact size male from card and plasticine, the card being used to give the cowling contours (see Fig. 2), filling in between to form the correct shape. If you prefer, a carved balsa form will suffice. The form is now pressed into a tub of Plaster-of-Paris which, once set, is pulled out to reveal your female mould. A smear of Vaseline on the form acts as an effective release agent. All that is left to

do is to lay up the mould with fine fibreglass tissue, until a thickness of 1/16" is achieved. Vaseline, smeared in the mould, will aid extraction - along with some crafty hammer blows. The cowl is easily trimmed to shape, and wet and dry paper finishes the surface ready for painting.

Now, to fool everyone into thinking you beat it to shape in aluminium, simply thickly brush on silver dope, let it dry for a day and then rub the dope smooth using wire wool. Providing that the initial surface was well finished, an excellent reproduction of aluminium is the result. Two or three coats is very convincing, the surface may even be polished using metal polish. This is very simple to achieve - and most rewarding. ■

NEXT MONTH: COVERING ALL THIS CAREFULLY CRAFTED STRUCTURE. AND HOW TO ACHIEVE A REALISTIC FINISH.

NIEUPO

Although I've designed and built numerous Nieuport 11 models, in varying sizes, I had yet to design a Nieuport 17.

Perhaps my love of the much simpler N.11 got in the way of drawing up the later type. Anyway, when Jim Arrington sked for one, pretty much out of the blue, I thought now might be a good time to remedy the situation.

The model you see here is the result of that request. Using the *Windssock Datafile* drawings as a reference, I drew up the Nieuport 17 in 1/8 scale for Jim, using my usual style of accurate scale outlines and rib spacing, combined with as easy a construction method as the prototype allowed me to come up with. Unlike many of my recent designs, the N.17 is devoid of overly intricate former shapes, so the task was made much easier.

As you'll see from the drawing, I show the servos quite a bit further back than they may be fitted. If you can get them further forward, and still retain easy battery removal/installation, feel free to do so. You can still use the same servo tray, but just glue it between the sides rather than into F3. However, you may need to re-think the closed loop cable runs slightly to compensate.

Although the Nieuport at first appears very short-nosed, remember that the sweep on the wings will ease balancing the model slightly. Just in case you feel the need for more nose length I've shown an optional extended cowl: not enough longer to look badly out of place, but it does allow you to move the motor a little further forward and, possibly, even get the battery pack into the cowl to further ease balancing the model. If you do go that route, the servos may be moved right up behind the firewall.

So, with a much longer introduction than I originally had in mind out of the way I'll hand you over to Jim for all the gory details. Rest assured, there's nothing too difficult involved.

PETER RAKE



DORT 17

PART 1: A 1/8 scale, 40" (1016mm) wingspan, electric powered model designed by Peter Rake. The prototype model built and described by Jim Arrington.



The Nieuport 17 was a replacement aircraft for the famous Nieuport 11 'Bebe'. She was slightly larger than the N.11 and had a 110 hp rotary engine. *(The Nieuport 16, an N.11 with a bigger engine may have been a little faster, but had the unpleasant habit of diving headlong into the ground if the engine quit on you ... not, I should imagine, something that endeared her to pilots. PR)* She is also the aircraft made famous by the movie 'The Flyboys', which just happens to be one of my favourite movies. *(I think you'll find the Nieuport 17 was already quite famous long before the film Jim. PR)*

The movie is loosely about the Escadrille Lafayette. A squadron of American volunteers flying for the French Air Force before the United States entered the war. The Escadrille Lafayette is most often remembered as flying the N.11 'Bebe' but they also flew the N.17 receiving their aircraft on October 30, 1916.

I will be modelling the aircraft flown by Squadron Leader Cassidy. Cassidy was the grizzled old veteran of the group (in the movie but not in real life) and my favourite character. Peter's plan is simple and straightforward to build. Anyone with enough patience and some basic skills should be able to build a nice flying and nice looking model.

Although I started with a set of laser cut parts, the model is not hard to cut out yourself by hand. I have done so on several of Peter's models before this one. My favoured method of transferring the plans to the wood for cutting is to first make a copy. Rubber cement is used to glue the patterns to the wood. Since I own a scroll saw, I usually use it to cut out my parts. Otherwise a sharp hobby knife must be used. Once the parts are cut out the patterns are peeled off and the rubber cement residue is rubbed off with my fingers.

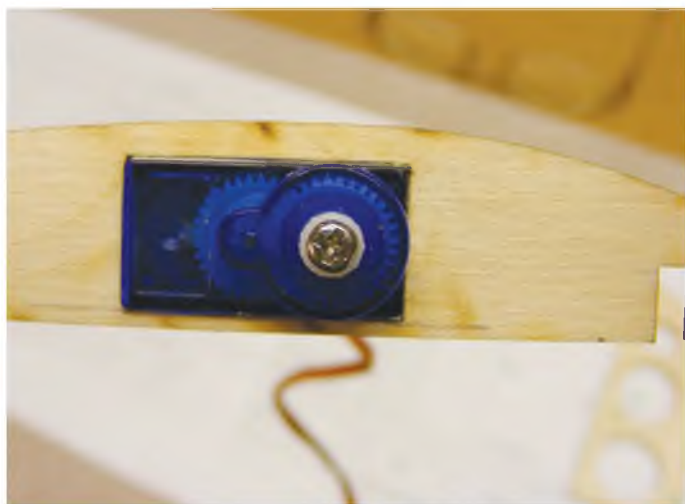
Wings

I started with the upper wing. The plan is laid out on the building board and covered with wax paper. The first parts to be cut and pinned to the board are the wing tips. After these are in position, cut your spars making sure to notch them properly for the wing tips. It is OK to use some spars that have a slight curve, just make sure that the curve goes upward. At worst, this gives the wing a little dihedral. Now pin the spars to the board and glue to the wing tips. I like to use an aliphatic glue for most joints on the spars and tips. My preferred type is the common carpenter's glue.

After the spars are pinned down and glued, the centre packing must be

added to join the left and right sides. Since the N.17 does not have a straight wing, it is important to get good joints on the centre packing. I like to use clothes pins to hold the packing together as the glue sets. (Whilst it's perfectly feasible to fit the joiner packing and braces at this stage, I'd probably wait until actually joining the panels. One thing you might find, especially if using laser cut parts (available from the publisher) is that the ribs might need 'easing' for a good fit - the spar slopes backwards, but the laser can't cut bevels on the spar notches in the ribs. *(It's much better to have to do a little trimming than to have the ribs too loose on the spar/spacer/brace. PR)*

Ribs, ribs, ribs, lots and lots of ribs! I suggest starting with the ply ribs that will house the aileron servos. With all the various brands of servos on the market, I recommend purchasing your servos now so that you can make sure these will fit in the ribs. Next cut out and notch the trailing edges. *(No notching is required if using the laser cut parts because the trailing edge pieces are part of the set of parts. They are notched at precisely the correct angle to match the sweep on the wings - if I got it right. PR)* Pin the trailing edges in place and begin adding your ribs starting at the centre of the wing and working outward. When you reach the



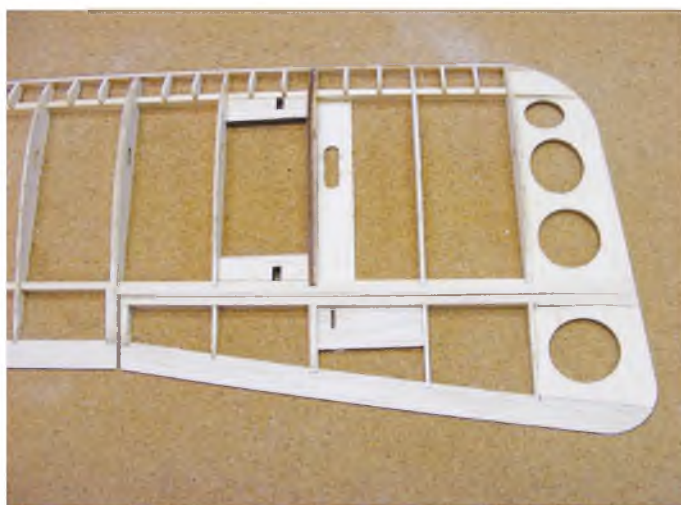
How the aileron servo fits into the wing. Make sure they actually fit before you get the complete wing built.



Demonstrating that Jim did in fact build his top wing as a single unit. Note the wedge for the brace and the strut plates all securely glued in place.



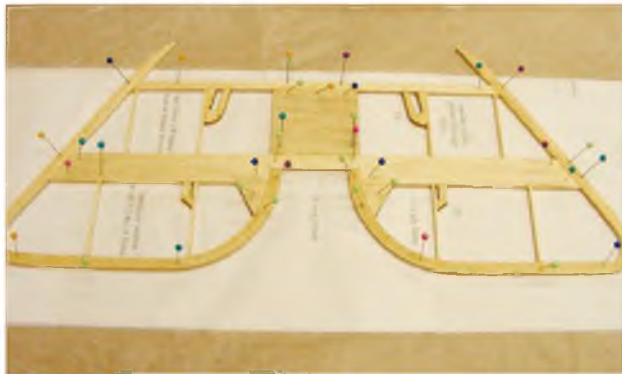
Here you see the c/s sheeted and the laminated CS parts sanded to shape.



The aileron area showing i/p strut plates, servo arm exit and the horn plate all installed.



By comparison with the top wing, the lower wing panels are simple affairs to build.



All the tail surfaces follow a similar pattern, a laminated outline filled with a few pieces of strip and some laser cut parts.



Use the locating dowels to align the lower wings and cut away the fuselage sheet to clear them.

aileron area, cut and add your aileron spar and leading edge. These parts are simply lengths of balsa sheet that will be sanded to match the wing profile during the finish sanding stage. Add the rest of the ribs.

At this point, make sure you have all of the strut, centre section strut, and servo arm blocks in place. Let it all dry, then sand the trailing edge and aileron parts to shape to match the rib profile using a sanding block. (A razor plane is a big advantage with these tasks and well worth adding to your tool kit. Take extra care at the centre section end because, so far, the cut-out block hasn't been added - unless you built the second panel onto the first one. PR). To prevent over sanding the ribs, I like to lay a strip of tape over the ribs to protect them from the sandpaper.

Now add the rear centre section (c/s) strut plate c/s cut-out block and join the wing panels using the wedge shaped packing and brace parts before fitting the top c/s sheeting. Once dry, remove the wing from the board, shape the c/s block and give a fine overall sanding. Set the top wing aside and start on the lower wings.

The lower wings do not contain any ailerons and all the ribs are the same size, so construction should be easy and quick. Just follow the same steps as for the upper wing.

Tail surfaces

The N.17 has a very short nose moment so keeping the

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NIEUPOORT 17

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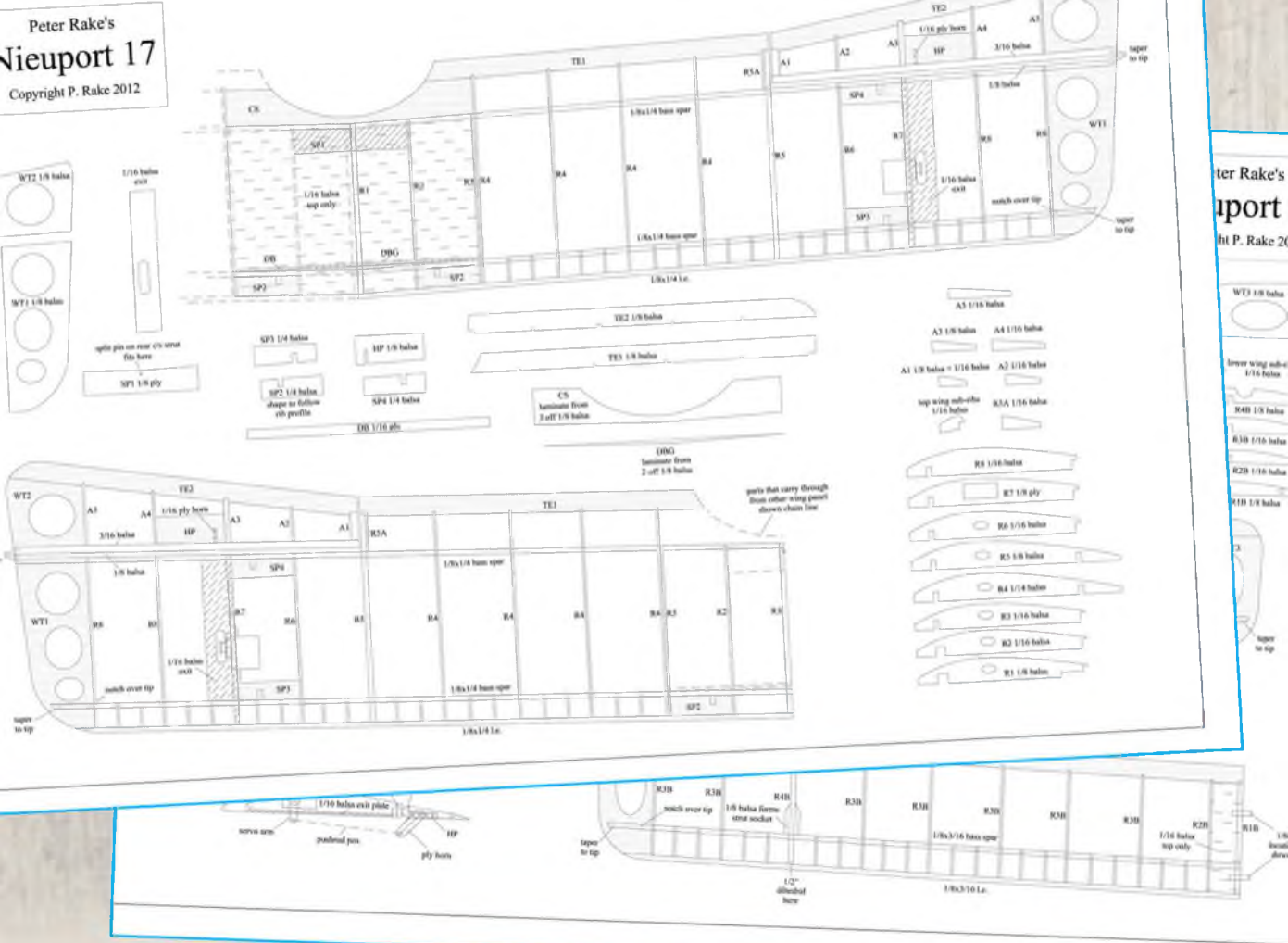
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weight down in the tail is critical. Therefore, the tail surfaces are made from 3 laminations of 1/16" balsa strip. I used 1/4" in fan-fold foam (FFF) to make my forms. Again, copies were made of the tail surfaces and glued to the foam. The scroll saw was used to cut out the foam. The last step in preparing the foam to make the laminations is to add cellophane tape to the edges. This prevents the laminations from sticking to the forms. The forms were laid out on wax paper and pinned to the

building board. In order to make the strips curve around the forms, I started by taking three strips and cementing them together with CA on one end. Then the strips are sprayed with ammonia from a spray bottle. I try to get them fully wet but not dripping. Now add aliphatic resin glue between the strips and then slowly bend the strips around the form. Blocks of scrap balsa are pinned to the outside edges to hold the laminations in place. Let the laminations dry overnight. Next fill in the tail surfaces with the strips

needed. (An alternative to Jim's laminating technique is to thoroughly soak the strips, then glue them together with white glue and, with one end already secured against the former, pull the still wet strips around the former, packing as you go. I say 'pull' the strips because maintaining tension helps to prevent kinking any of the strips. Like Jim, I too use scrap balsa blocks to hold the strips snug against the form so that the pins can't cut into the outer layer. Any kinking or pin damage is a potential weak spot, and to be avoided if at all possible. PR) One thing to note is that the N.17 has an all-moving rudder with no fin. This presents some unique difficulties in hinging the rudder. I chose to use CA hinges on my model and when I built the rudder post on my rudder I made it from two strips of 1/16" balsa and left them unglued in between so that I could add the hinge later. Lastly, you will need to make a joiner for the elevators by bending some wire to match the plans. The elevators will need some holes drilled and some notches made in the leading edges to accommodate the joiner. The control horns are added after the surfaces are covered.



The obligatory naked model shot reveals the uncomplicated nature of the construction - just lots of sub-ribs.

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NIEUPORT 17

Perhaps the best-known of all the the series of Nieuport fighter types of WW1, the simple, yet attractive lines of the N.17 justify its appeal to scale modellers

The line of fighting Scouts deigned and produced by the *Societe Anonyme des Etablissement Nieuport* spanned the entire period of WW1. Most of the line

employed the sesquiplane wing layout devised prior to 1914 by the Swiss Franz Schneider (not to be confused with Jacques Schneider the originator of the Schneider Trophy seaplane competition),

which resulted in a compact layout that minimised interplane interference whilst still providing a wing bracing strength that monoplanes of the time could not match without more awkward wing bracing



arrangements. In addition, the layout provided improved all-round visibility from the cockpit.

First of the Nieuport fighter types to enter service was the Type 10 in early summer 1915, followed shortly afterward during the same year by the 80 h.p Gnome rotary engine powered Type 11. This was followed by the 110 hp Rhone rotary powered Type 16, but both were less than perfect - the Type 11 having a tendency to break up when combat stress loads were applied to the airframe, while the N.16 tended to be nose heavy.

The Type 17 that followed, provided greater structural integrity and superior handling characteristics, thanks to the concentration of the heaviest components parts (engine/armament/ammunition/fuel tanks) as close as possible to designed balance point, all of which made the Nieuport 17 was a delightful aeroplane to fly. Introduced in

mid-1916 and in front-line use for about a year, until replaced by later Nieuport models and S.E.5s; it was pleasing to the eye, the sweep of the wings bestowing an elan that distinguished it from its straight-wing contemporaries. It was pleasing to fly; light and agile, which enabled it to out-maneuvre its heavier, stationary-engined, adversaries. In fact the Germans thought so well of it as to produce an almost exact copy in the Siemens-Schuckert D.I using a captured example as a pattern.

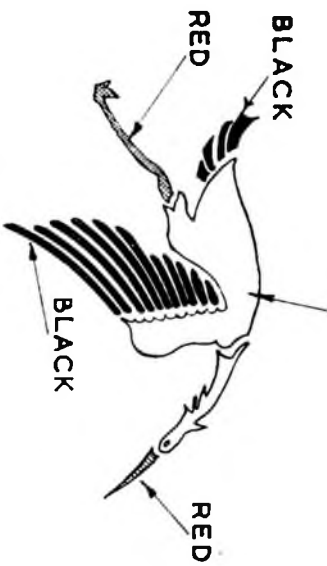
The value of the Nieuport 17 as a fighter aircraft was quickly recognised by the British Royal Flying Corps and it was Capt. Albert Ball V.C. who was instrumental in proving the mettle of this machine to the R.F.C., with his fiery attacks regardless of the odds. Later it was flown, also with devastating effect, by Mannoock and McElroy of 40 Squadron, and the Canadian Billy Bishop of 60 Squadron who

scored many of his 73 victories on this type of aircraft.

Basically, the Nieuport 17 it was a simple aeroplane, but with considerable refinement of structure. The fuselage was a plain box girder based on four spruce longerons that terminated in a vertical knife-edge of steel tube: the lower pair of longerons were set closer together than the upper pair which gave the fuselage sides a distinct taper. Forward, the longerons were reinforced with ash as far aft as the cockpit; spacers were of spruce routed to a 'T'-section, except at the second station where steel tube was used and incorporated the lower wing attachment sockets. The tailskid fairing was a neat streamlined structure and not a flat fin as photographs tend to make it appear. Hereabouts, the fuselage was additionally strengthened by mm. ply sheet fastened to the inside of the side members. Forward, a near circular fairing



This line-up of Italian Nieuport fighters is a mixture of Types 11 and 17, but the aircraft in the foreground is readily identified as the latter due to its pilot's head fairing at the rear of the cockpit.

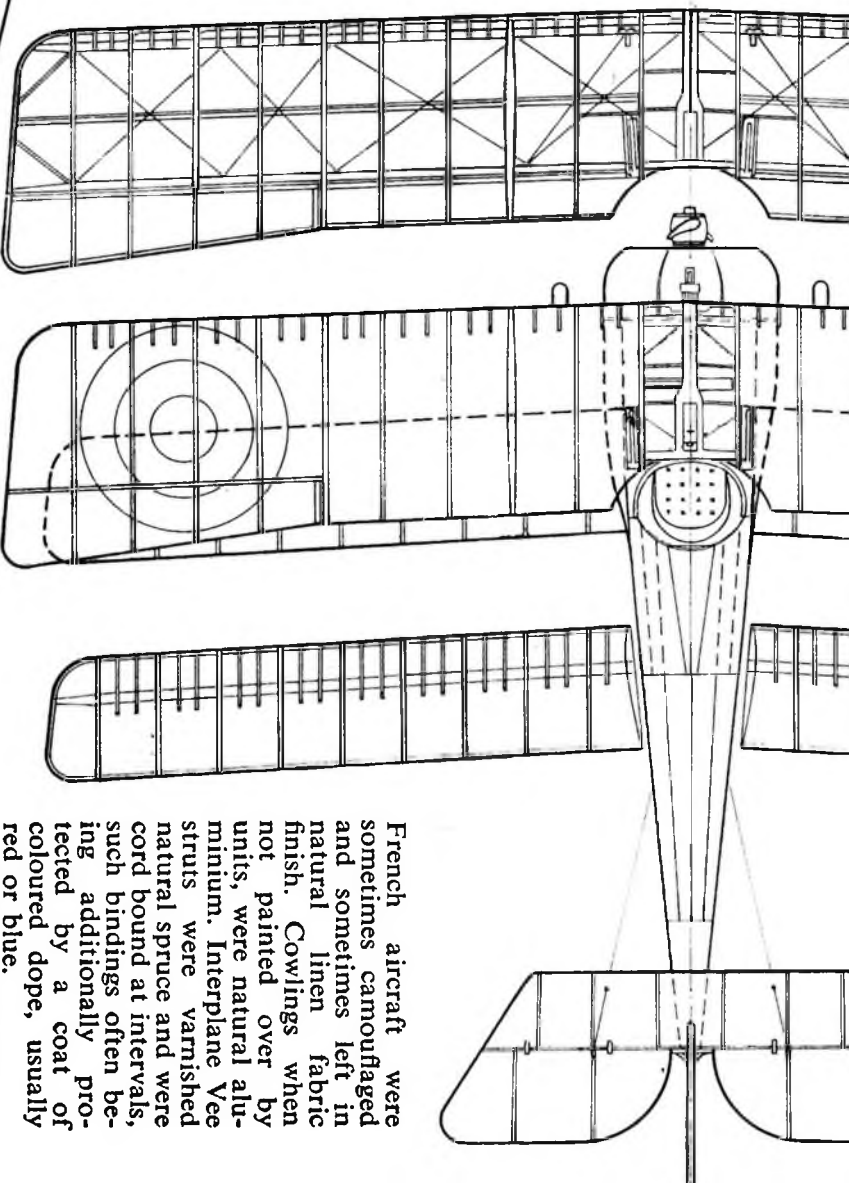


CIGOGNES N.3

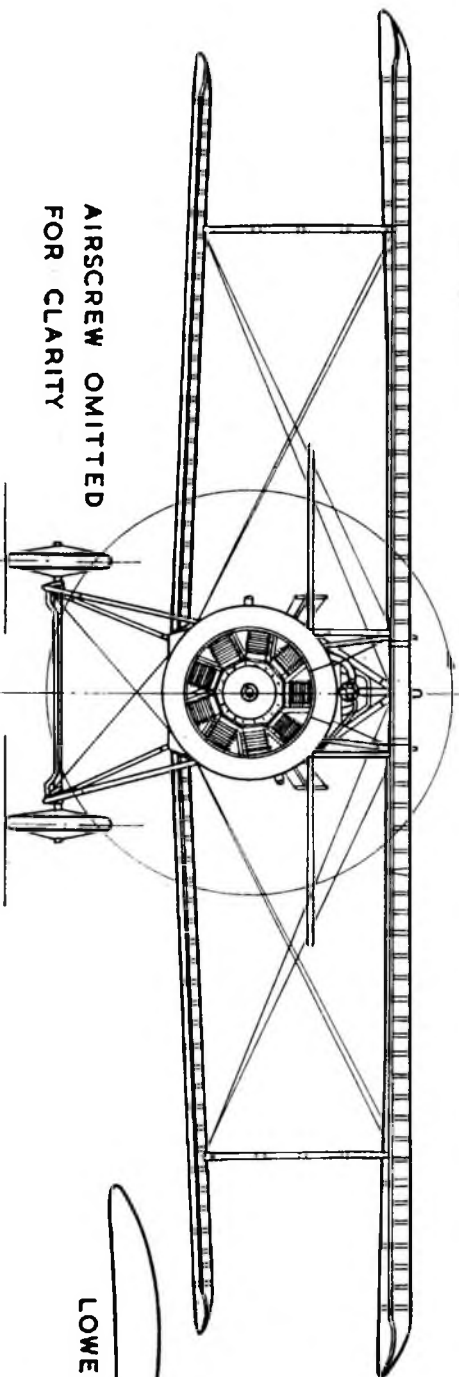
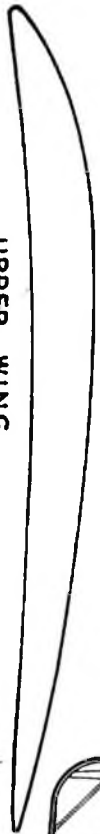
APPROX. TO SAME
SCALE AS SERIAL NOS.

OTHER CIGOGNES UNITS WERE
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ATTITUDES.

NIEUPOORT 17



UPPER WING

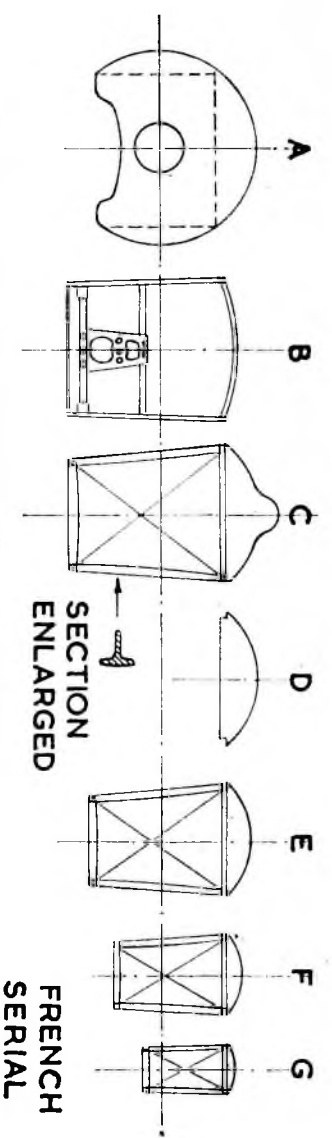


AIRSCREW OMITTED
FOR CLARITY

LOWER WING



French aircraft were sometimes camouflaged and sometimes left in natural linen fabric finish. Cowlings when not painted over by units, were natural aluminium. Interplane Vee struts were varnished natural spruce and were cord bound at intervals, such bindings often being additionally protected by a coat of coloured dope, usually red or blue. Rudders were equally divided into red, white and blue divisions, the blue being foremost. Serial numbers were styled in black: on R.F.C. machines numerals which were imposed on the coloured portions of the rudder stripes were sometimes outlined in white.



NO DASHBOARD FITTED. INSTRUMENTS WERE FASTENED DIRECT TO CONVENIENT STRUCTURAL MEMBERS.

N
2474

A'6684
SCALE

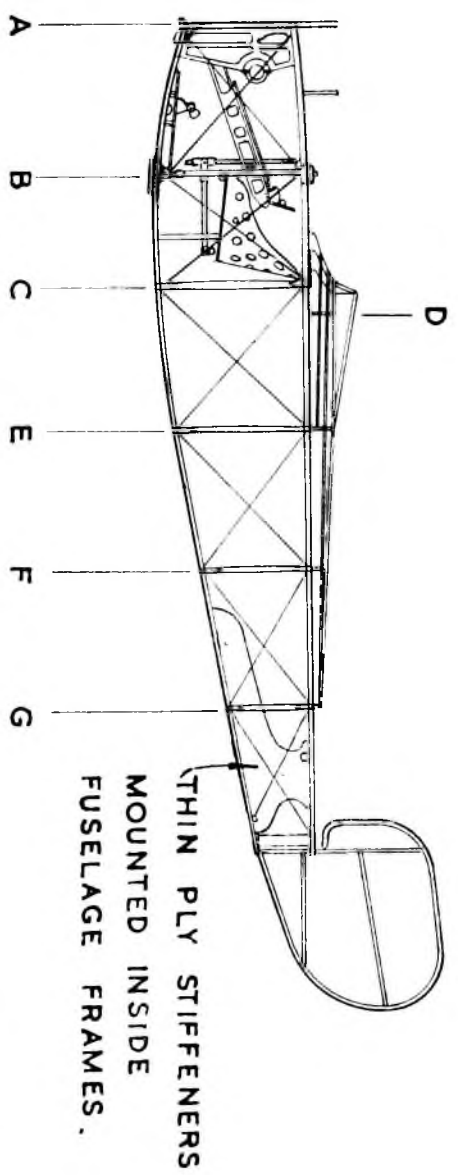
R.F.C. SERIAL
29 SODN.

SCALE 1:40



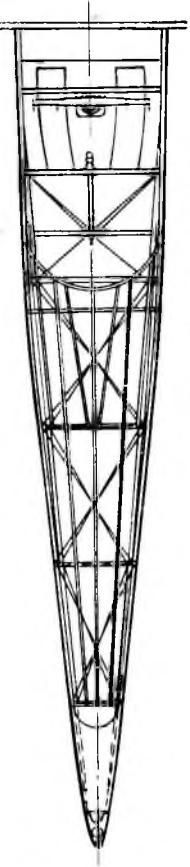
Note on the aircraft flown by Capt. W. A. Bishop, V.C., kindly contributed by Mr. Chas. B. Simpkin who was his mechanic at the time.

Nieuports A 306 and A 6769:—"Camouflage was predominantly green with irregular brown areas. Wheel discs were blue, undercarriage and centre-section struts also blue (believed by the or enamel as it was softened by the castor oil splashed by the engine). The 2-inch wide strip along the lacing at the base of the centre-section struts was also blue. I cannot recollect clearly if the cowling was blue but am inclined to the opinion that it was. A Maple leaf about 1 ft. high was painted in autumn tints on port side of the fuselage near the cockpit, which I regarded as a work of art in those days. At one time, after a leave period, Capt. Bishop brought back a blonde-haired doll inscribed as being presented by Miss Beatrice Lillie. I had to attach this doll to the bottom of the port interplane struts."

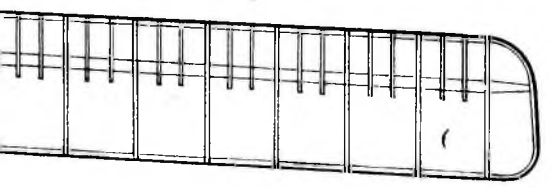
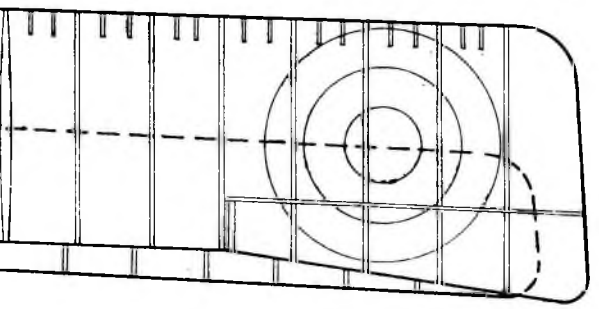
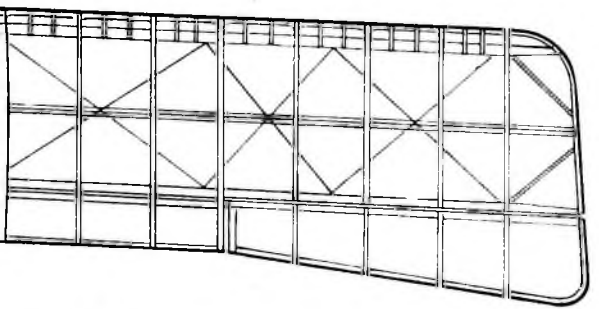


BASIC FUSELAGE STRUCTURE

SEAT OMITTED FOR CLARITY.



WHITE OR BLACK



COLOUR DETAILS

Main output of Nieuport 17 scouts were doped with an overall aluminium finish. Some R.F.C. machines were camouflaged in irregular patches of dark green and khaki: likewise



NOTE. COWLING VENT
SLOTS ON ST'B'D
SIDE ONLY.



BLUE

LAFAYETTE
ESCADRILLE



BLACK

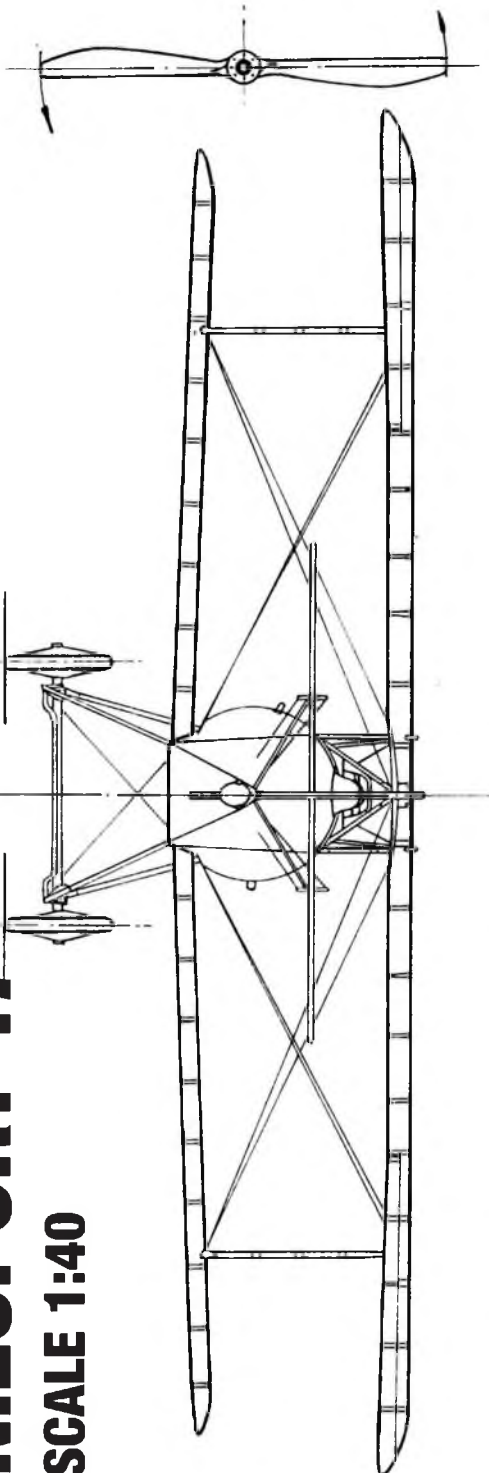
N65. ESCADRILLE

APPROX. TO SAME
SCALE AS SERIAL NOS.

NO WING ROUNDELS ON ITALIAN
NIEUPORTS, WHOLE TIP PAINTED
BOTH SIDES, ST'B'D GREEN
PORT RED.
MACHINES USED BY RUSSIANS CARRIED RED, BLUE & WHITE (ENLARGED
CENTRE SPOT) ROUNDELS ON ALL WING TIPS, SOMETIMES ON BOTH SURFACES
OF TAILPLANE AND RUDDER ALSO.

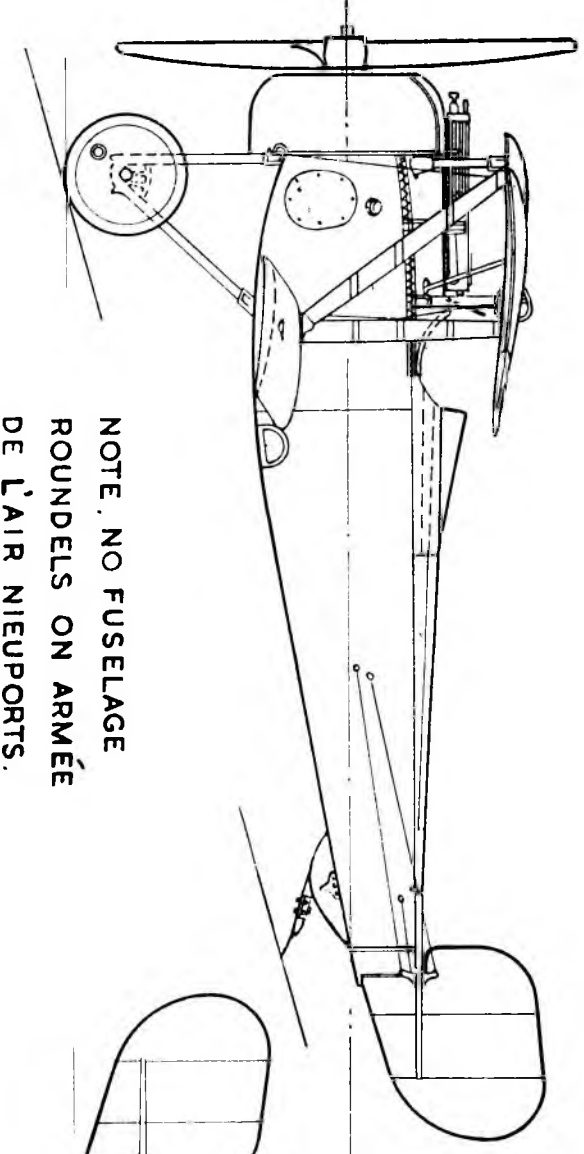
DATA

Span: 8240 mm. (27 ft. 0 7/16 in.)
top 7,800 mm. (25 ft. 7 7/8 in.)
lower.
Length: 6,000 mm. (19 ft.
8 1/2 in.)
Incidence: 1 deg. 50 min. top.
4 deg. lower (5 deg. at port tip
to compensate torque).
Chord: 1,230 mm. (4 ft. 0 7/16 in.)
top. 720 mm. 2 ft. 4 5/16 in.)
lower.
Track: 1,600 mm. (5 ft. 3 in.).
Weights: Loaded 1,233 lb.
Empty 825 lb.
Performance: Max Speed 107
m.p.h. at 6,500 ft. Climb to
6,500 ft. in 5 min. 30 sec.

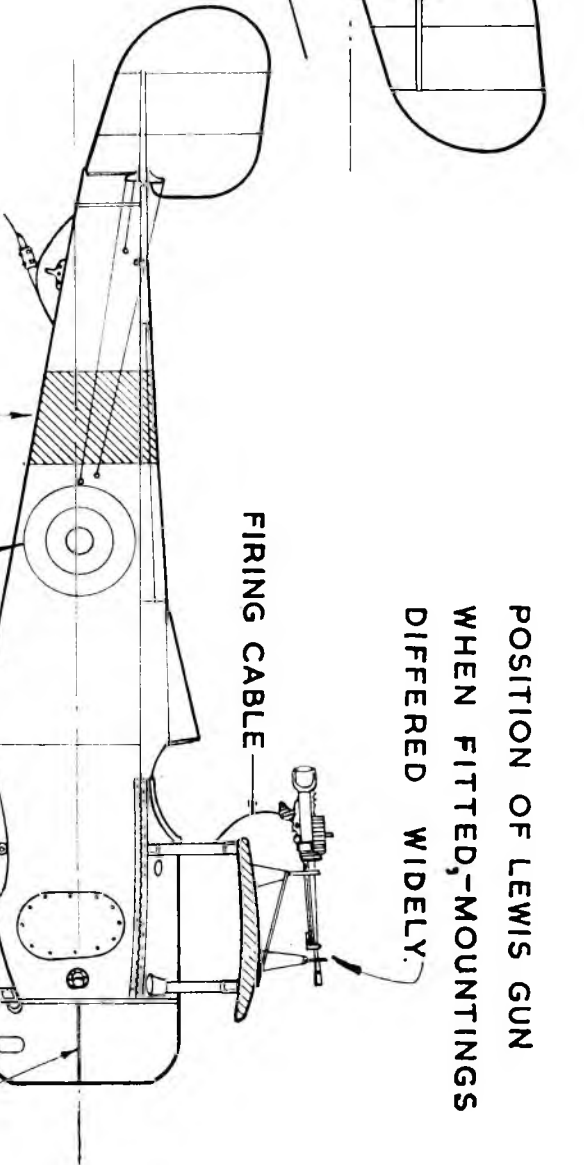


NIEUPORT 17

04:1 ETWCS
NIEUPORT 17



NOTE, NO FUSELAGE
 ROUNDELS ON ARMÉE
 DE L'AIR NIEUPORTS.



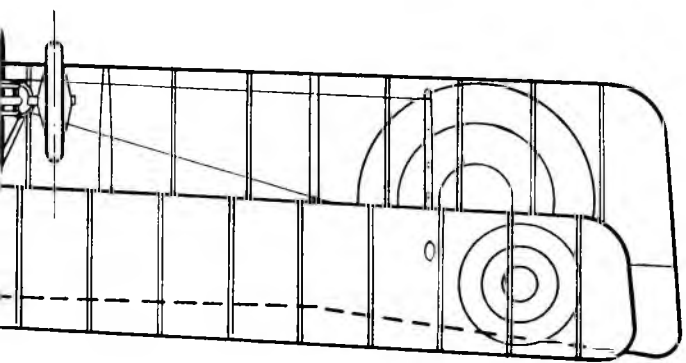
POSITION OF LEWIS GUN
 WHEN FITTED, MOUNTINGS
 DIFFERED WIDELY.

FIRING CABLE

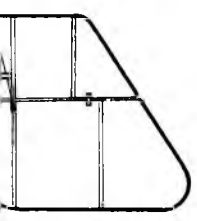
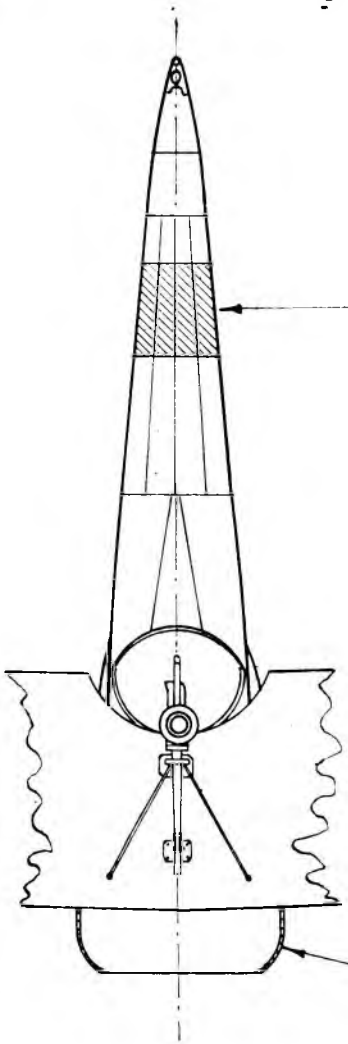
R.F.C. FUSELAGE ROUNDEL: BLUE, WHITE & RED (CENTRE)
 ITALIAN FUSELAGE ROUNDEL GREEN, WHITE & RED (CENTRE)

RED BAND
 29 SQDN. R.F.C.

COWL
 DIVISION
 ON SOME
 AIRCRAFT.



ENLARGED CENTRE SPOT, PECULIAR
 TO NIEUPORT UPPER WING ROUNDELS,
 BOTH SURFACES.



YELLOW

RED

One of the attractions of both the Nieuport 11 and N.17 is the minimal amount of interplane bracing wires.



with large access panels, tapered from the cowling to the cockpit. This appeared asymmetric in plan view due to the drum which retained the used ammunition belt being mounted outside the basic framework on the port side. Aft of the cockpit extended a slightly curved

decking, built up of light stringers.

Wings were a normal braced structure based on two (upper) and one (lower) box spars, ribs in the upper wing halves being of beefed up section to act as compression members where necessary. Ailerons were of light gauge steel tube

and of inverse taper, which, with the angular rake of the tips gave an elegant and distinctive profile to the wings. Operation of the ailerons was through a torque tube actuated by bellcranks in the centre-section. On many Nieuport 17s the centre section panel was covered with



Captain W.A. 'Billy' Bishop V.C., D.S.O. was one of the most successful operators of the Nieuport 17, seen here with his personal aircraft.



A French N.17 with fuselage-mounted Vickers Gun and experimental pitot 'yawmeter' attached to the V-interplane strut.

celluloid to improve upward vision for the pilot, but invariably-as this deteriorated with use-it was replaced with normal linen fabric.

The complete tail assembly was of light gauge steel tube with the tailplane braced to the fuselage by light streamline section tubes. The tailplane was attached to the fuselage by clips at the centre of the leading-edge and a spring lock on the main spar which could be 'quickreleased' by a length of chain with a ring on the end, running through the fuselage sterntube, thereby facilitating speedy removal and servicing. The normal Vee type undercarriage was fitted with dual spreader bars and sprung with elastic shock cord; wheels had tyres of 650 x 80 mm. section.

Varying armament was installed in



This British RFC N.17 fell into German hands during the Battle of Arras during April-May 1917. It has a top-wing leading edge pitot head.

Nieuport 17s. In the case of Royal Flying Corps aircraft - and before the introduction of reliable interrupter gear to allow the gun to be fired through the arc of the propeller, the RFC introduced the Foster Mount which mounted the gun above the top wing centre section, incorporating a slide-rail that allowed the pilot to pull the gun handle down so the weapon could be fired diagonally upward into the underside of an enemy aircraft. In the hands of pilots like Captain Ball, this proved highly effective.

However, the evolution of a reliable interrupter gear saw the almost universal installation of a single Vickers gun. Usually, this was mounted on the fuselage centre-line but occasionally it was offset to starboard. Prior to the introduction of synchronised Vickers, Lewis guns were

fixed-mounted on top of the centre-section, but mountings were far from standardised.

Occasionally, Le Prier rockets were fitted for balloon straffing; they were attached four to each Vee strut and fired by a push-button switch on the instrument panel, the struts being protected by a metal sheath. On at least one occasion a load was accidentally fired inside a Bessoneau hangar, after which an isolating two-pin plug was fitted!

In addition to French and British usage, the Nieuport 17 type was also used in numbers during WW1 by the air arms of Belgium and Italy and also by the American Expeditionary forces, but on the latter case only got training purposes at bases in France. ■



a captured N.17 in German markings. The Siemens-Schuckert D.1 was a direct copy.



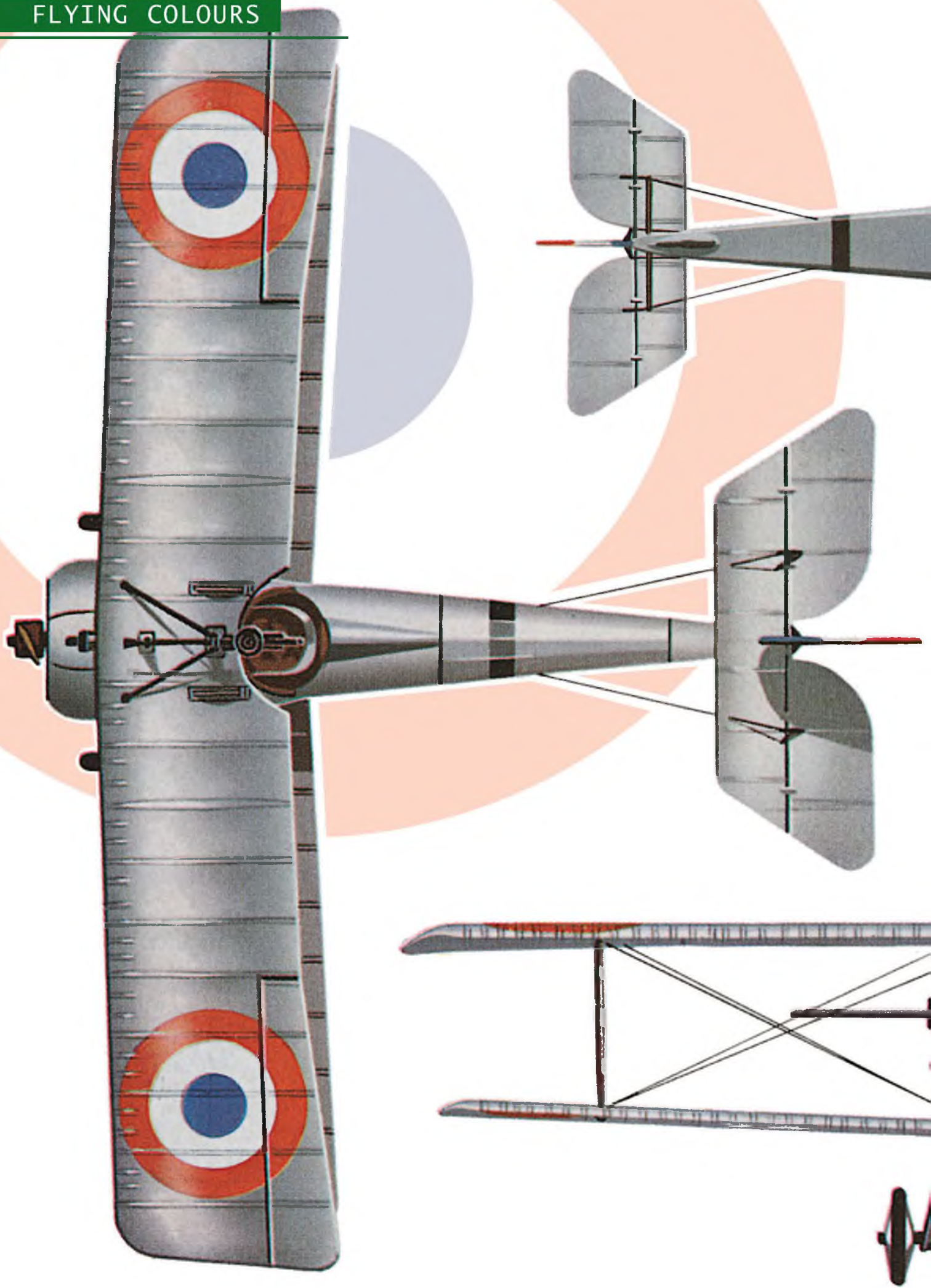
This French N.17 features twin, upper-wing mounted Vickers gun and propeller spinner this is unlikely to have provided any improvement in speed..

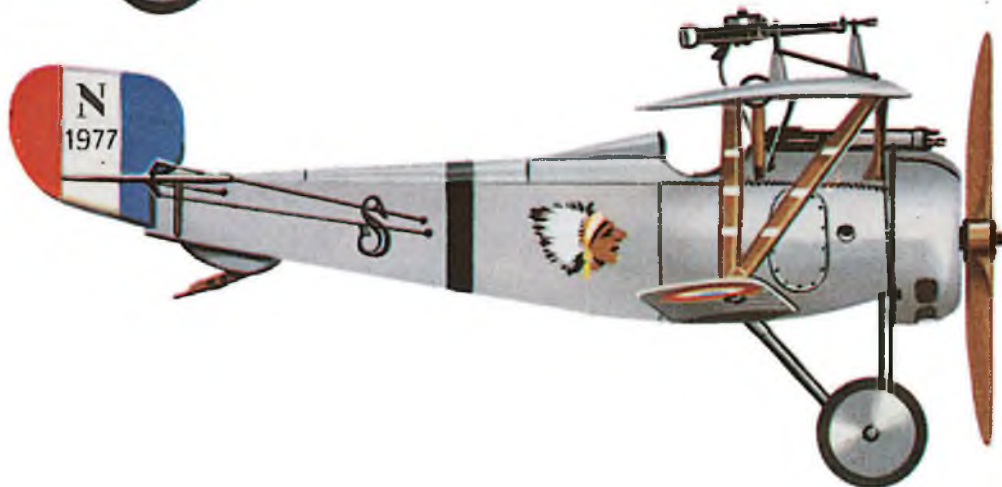
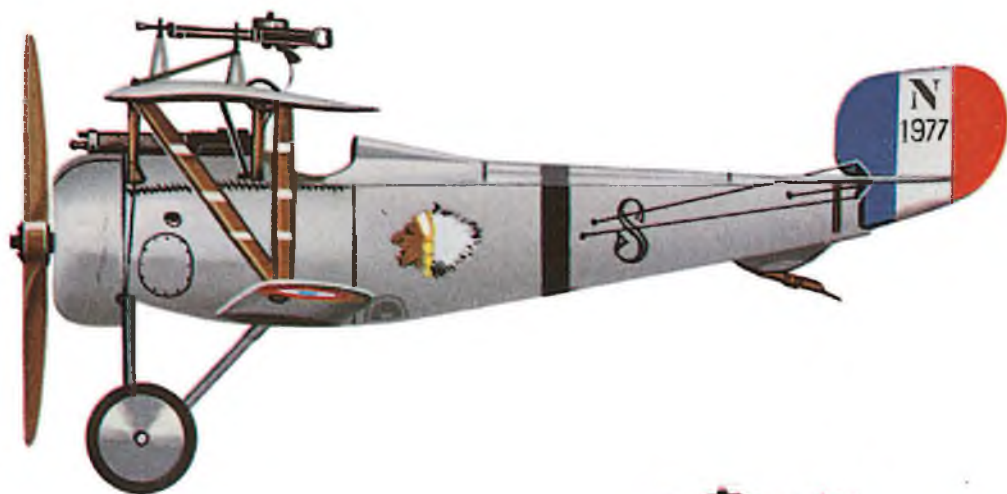
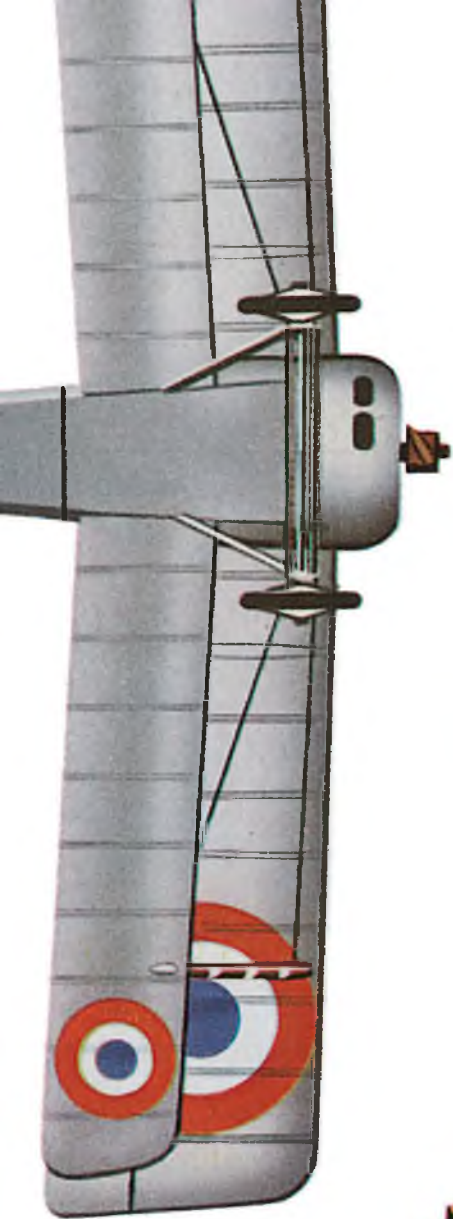


French Nieuport 17 with Le Prier incendiary rockets for 'balloon busting'.



Top mounted Lewis Gun.

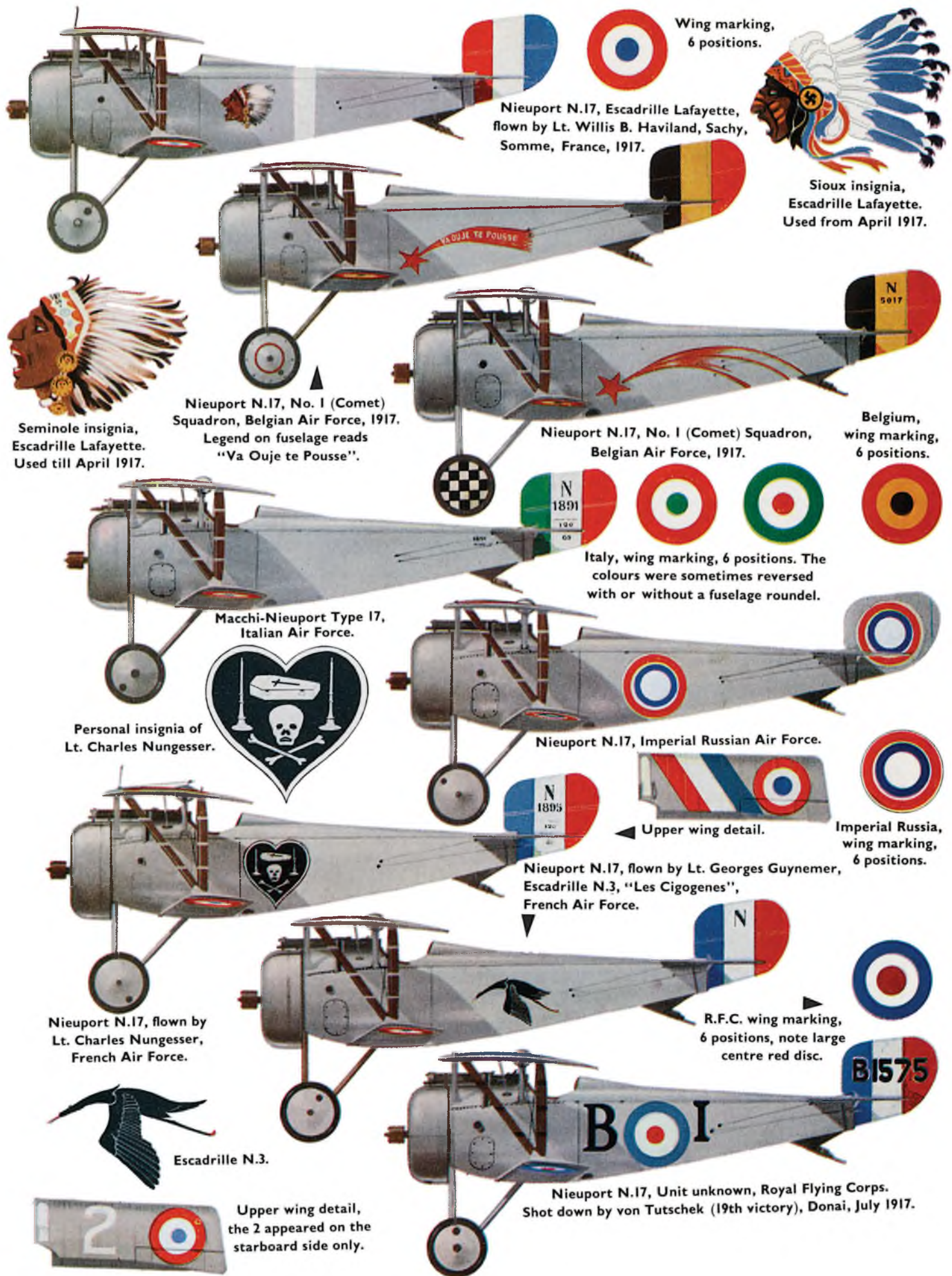




NIEUPORT 17C-1

Flown by Sgt. R. Soubiran of the "Escadrille" Lafayette, Western Front, 1916. The "Indian Head" emblem depicts a Seminole chief; a Sioux chief insignia was also used in this "Escadrille."





Wing marking, 6 positions.

Nieuport N.17, Escadrille Lafayette, flown by Lt. Willis B. Haviland, Sacy, Somme, France, 1917.



Sioux insignia, Escadrille Lafayette. Used from April 1917.



Seminole insignia, Escadrille Lafayette. Used till April 1917.



Nieuport N.17, No. 1 (Comet) Squadron, Belgian Air Force, 1917. Legend on fuselage reads "Va Ouje te Pousse".



Nieuport N.17, No. 1 (Comet) Squadron, Belgian Air Force, 1917.

Belgium, wing marking, 6 positions.



Macchi-Nieuport Type 17, Italian Air Force.

Personal insignia of Lt. Charles Nungesser.



Italy, wing marking, 6 positions. The colours were sometimes reversed with or without a fuselage roundel.



Nieuport N.17, Imperial Russian Air Force.



Nieuport N.17, flown by Lt. Charles Nungesser, French Air Force.



Upper wing detail.

Imperial Russia, wing marking, 6 positions.

Nieuport N.17, flown by Lt. Georges Guynemer, Escadrille N.3, "Les Cigognes", French Air Force.



Escadrille N.3.



R.F.C. wing marking, 6 positions, note large centre red disc.



Upper wing detail, the 2 appeared on the starboard side only.



Nieuport N.17, Unit unknown, Royal Flying Corps. Shot down by von Tutschek (19th victory), Donai, July 1917.

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JODEL D.117

A 50 inch (1270mm) wingspan, 1:6.5 scale model of the French lightplane, designed for geared 550 electric power by Peter Holland



When I was asked to design this plan, naturally I wanted to fly the 'electric' flag as well. Now, while most of my non-scale models are sleek and light, as befits those where performance relies on low wing loading, scale models often come with a certain amount of built-in headwind. To be fair, I must admit to a tiny bit of cheating. The eye certainly does not detect it, but fine-scale people, with a ruler, will notice that I used a slightly smaller scale for the fuselage cross section - but still in proportion - to reduce that headwind a bit.

The Jodel must therefore derive lift flying slowly, if extra thrust is not available to deal with parasitic drag. This means that it has to

have a light wing loading.

The Prototype model uses a 550-size motor and an Olympus belt drive to a 10" x 6" prop. Well, how else would enough thrust get past the cowling! Earlier models with this power combination had to be light, and of course derived enough lift at low airspeeds.

Is it flimsy? Well, there is less weight to cause damage, as a lower landing speed means a less forceful deceleration when put down on rough ground. An extra bonus is that building cost is low, because much of the wood is thinner.

Wings

The full-size Jodel is really an over-size model aeroplane, so it seemed common sense to

use very similar construction, rather than standard model type spars in the wing, for example. That plywood box spar was duplicated on the model, by using flat 2mm sheet top and bottom spars inset a little into full chord ribs. This ensures accuracy in building and avoids weakening the ribs. The 1.5mm vertical webs, front and back, preserve the true box strength and the part of the ribs inside add to the rigidity, by making each bay a complete structural cell. It is very hard to get any torsional deflection before covering, even at the leading edge. The tip spars have only 1.5 mm top and



bottom spars to their box form, and as they are built up whilst the tips are packed up for washout, this is firmly maintained.

One is left to add filler pieces of ribs and riblets on the outside of the spars to represent the full-size rib spacing and profile. I cheated on the section, though, giving it a flat rear part for ease of building.

The undercarriage beams are of pine, in notches in the ribs and glued to the leading edge. Ply pads on the front of the spar locate the ends of the 12SWG torsion bar undercarriage, which is secured by brass saddles.

This area is also strengthened by the 6mm dia. locating dowels, which enter the spar. Now there will

be pressure on the wing where it presses on the fuselage saddles, so ribs W2 are slimmed down on top, and overlaid with span-wise grain, hard 1.5mm sheet. The centre area is then covered with 1mm sheet over them, the trailing edges, top and bottom.

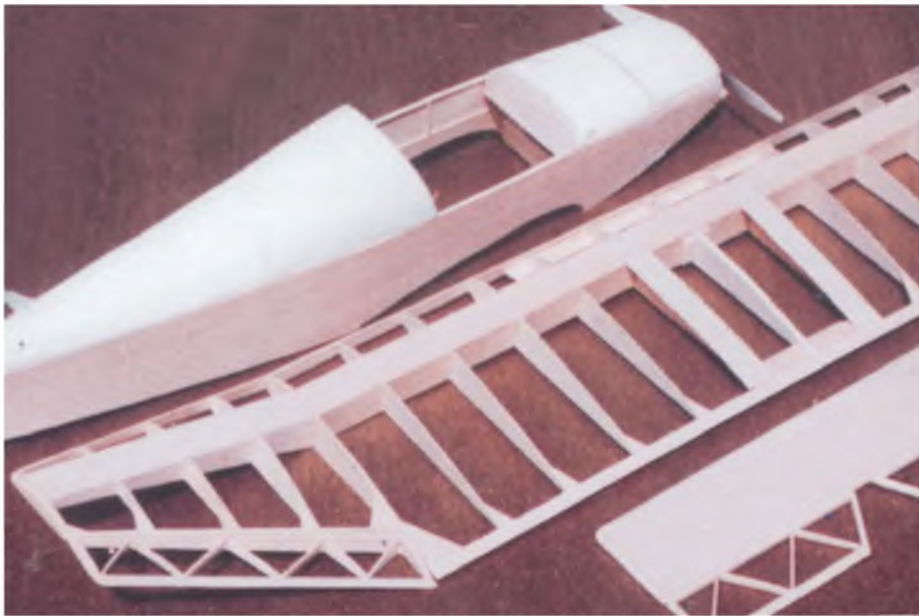
The flying field take-off patch is not all that billiard table-like and I saved weight by using life-ply and balsa wheels, skinned with PVA. This meant that an optional self hand-launching method had to be devised. The fuselage is wide and the CG well-forward, making it difficult to hold properly, so the centre rib is 4.5mm sheet and glasspaper-faced, then holes are left just behind the spar for thumb and finger to grip it (it's fine - remember, because the model is electric powered, your fingers will not be oily!).

The built-in aileron pushrod is 3mm dia. Birch dowel (lighter than wire) and thin wire ends connect with 0.8mm ply bellcranks and horns. These are reinforced with brass tube pivots and cyano round the connecting holes, to resist wear (there is little or no vibration, of course).

The ailerons are tapered in thickness, but rigged to match the main wing panel. The full-size Jodel looks strange when viewed from the wingtip with all that washout.



The simple, lightweight build philosophy is evident throughout the entire model. Here is the basic fuselage 'box', with the carved white foam cowl, top hatch and rear top decking.



The full bare airframe, ready to fit the control rods and horns, prior to covering. Note the sheet covered tailplane and the use of gussets between the wing ribs and wing trailing edge strip.

“You will find that the ‘neutral aileron’ position that you set will depend on the type of turns that you like to fly”

For the model, I used similar triangles of warren ribs and sanded them in situ. You will find that the 'neutral aileron' position that you set will depend on the type of turns that you like to fly. The huge rudder (all-moving fin) only needs small deflections (I am not a pilot who is frequently trying flick rolls), however, the full-size is not really very aerobatic, anyway.

Tail feathers

The tailplane is from 6mm square strip covered with 1mm sheet and the elevators braced like those ailerons. The fin is all strip, Litespan covered and hung to the fuselage with pin and leaf nylon hinges.

Fuselage

The sides are 1.5mm sheet overlaid inside with 3mm sheet doublers and 3mm square



Location of the fuselage mounted servos. Note the use of a lollipop stick for servo support beam.



The wing sheeting in place, together with the leading edge riblets, over the mainspar. Note the dowel aileron-operating rod the passes through holes in the ribs.



The basis of the wing is a full depth box spar (strong and light), the vertical components being web pieces between the ribs. Note the pine undercarriage mounting strip at the leading edge.



Here the main undercarriage has been removed, prior to covering. Note the sheeting is cut away to allow the wire legs to be clamped directly against the pine mounting plate. The fin is made up from strip, cut from balsa sheet.



The ailerons feature 'Warren' style construction to guard against warping. The tapering depth spar box holds the built-in washout (just like the full size) of the wing tip.

longerons and spacers. All the formers are built-up from strip. To save trouble, and possible weight, the top decking is hollowed out white foam. Now the curves of the sides in the plan view means that the basic wire-cut foam pieces have to be cut oversize in width, then sanded to blend in, whilst taped in place mid way along. The plan shows the templates for hot-wire cutting.

Remove them and do more hollowing and



The other end of the aileron push rod, linked to the aileron bellcrank, mounted on a strip of plywood between the ribs, just outboard of the wing dihedral break.



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JODEL D.117

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cover the foam with brown paper. Those for the cowling are cut using a former and the nose-piece, then sawn across and faced with balsa sheet. This enables the cowl top to be cut for servicing, or replacing, the power unit. The latter is screwed to a ply plate, which is located on the doublers and reinforced with a panel behind, cut to it and pierced for cooling and wiring.

The lower part of the cowling is fixed and hand-carved from more foam, in situ. It should be well clear of the motor itself. As this is going to take some wear and tear in noseovers, two layers of light glasscloth were epoxied over the foam and the lower part of the nose sides.

This was filled and sanded before the fuselage was covered in Litespan.

The red and white scheme would have been neater painted, but I was more concerned about saving every ounce.

The canopy frames are functional and marked as formers 3 and 4. I used birch ply for these as they are thin, and glued the lower parts to wider fuselage spacers. The

glazing is flat acetate sheet, but the screen needs to be moulding grade. I cheated here too, using a flat sheet lower part, cyanoed onto a piece of clear vac-formed pudding wrapping, coaxed into shape and trimmed. The join almost doesn't show.

The wing is retained at the trailing edge by a single bolt and blind nut on a flexible ply plate. This is designed to fail in a heavy arrival, rather than tear the fuselage doublers.

Radio installation

I used Naro 99 servos and a small (not micro) Rx, all well aft, and light balsa rudder and elevator pushrods with thin wire ends. The speed controller used on the prototype was a Westbury WPI 154 and the flight pack seven or eight Nicad cells, anything from 600 to 1400, depending on the duration and wing loading you want. The speed controller is fixed to the sides heating forward of F1. The circuit fuse near the plug and socket in the former itself, and blue foam blocks support the flight

pack against a 3mm sheet fuselage floor (crossgrain).

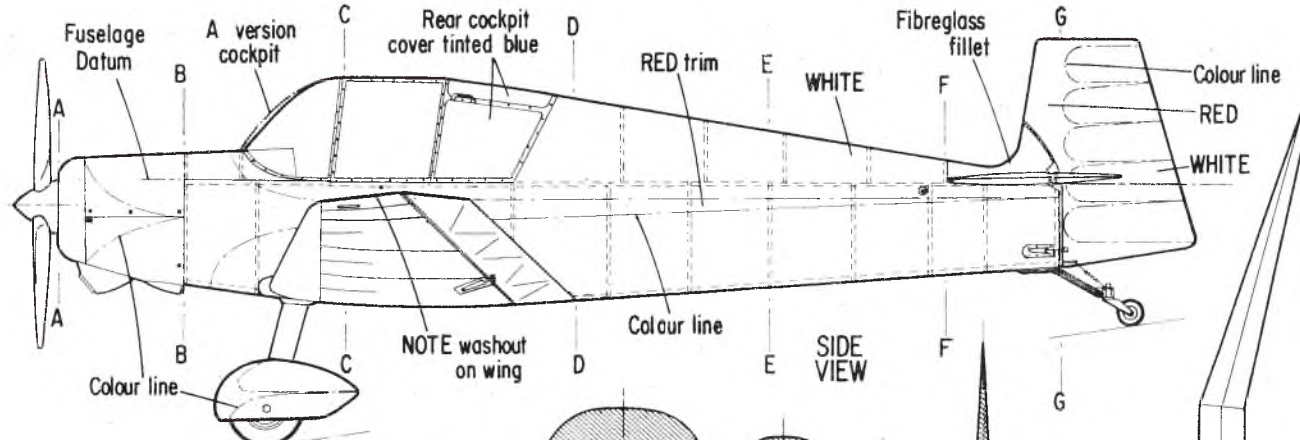
The flight pack is used to get the balance point right. You may care to lay a strip of 0.4mm ply on the wing if the field is bumpy and the pack larger than a 600mAh.

Up and away

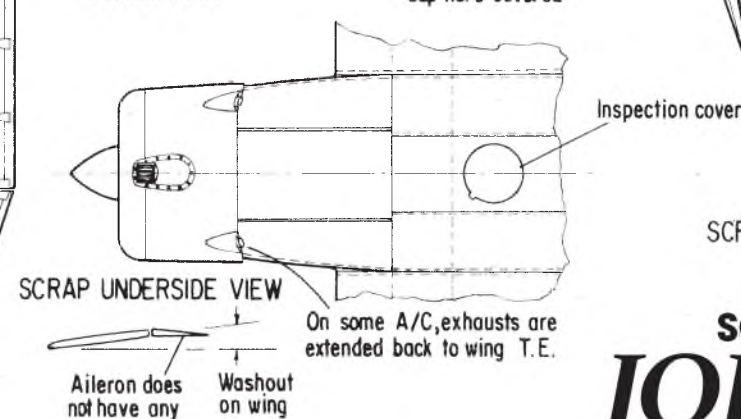
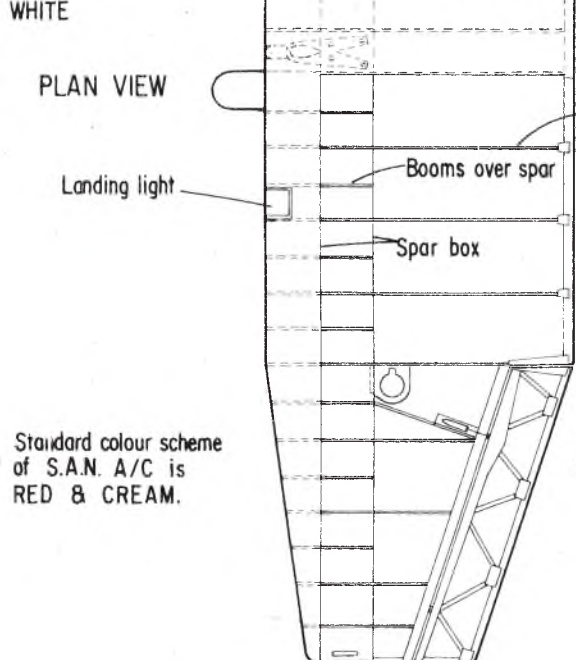
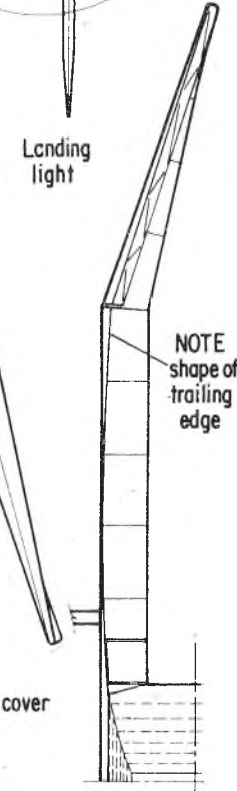
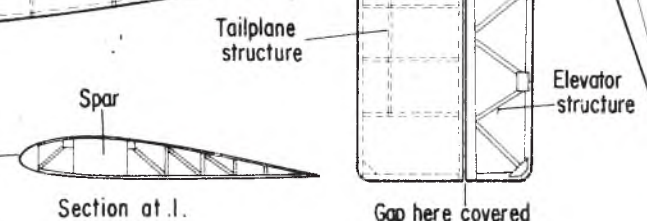
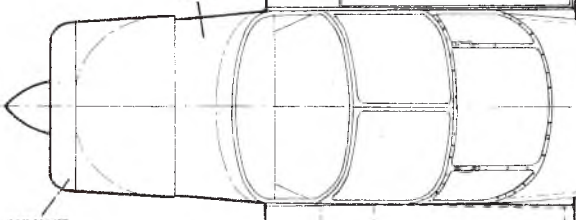
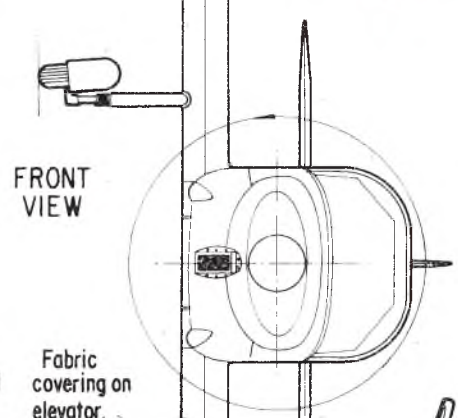
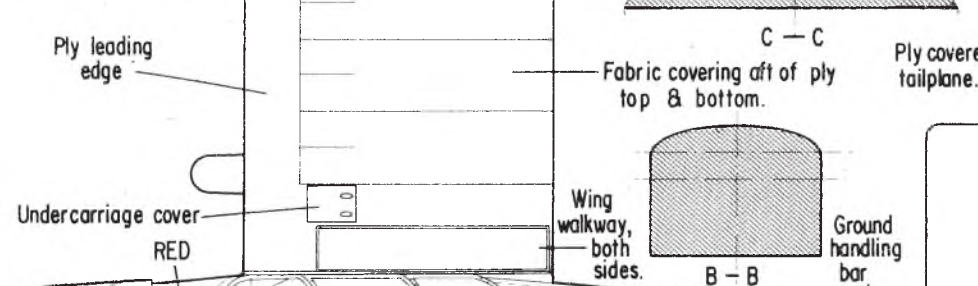
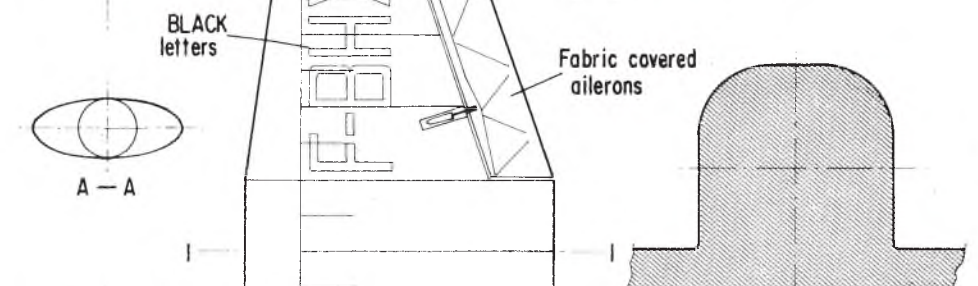
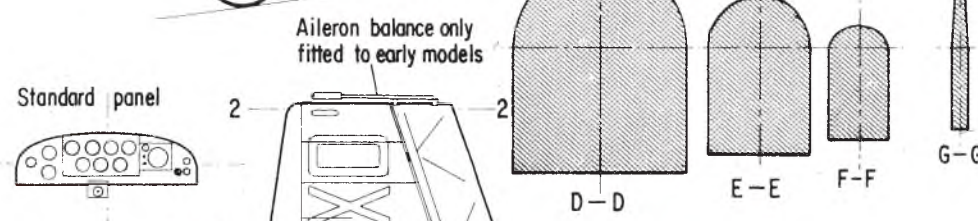
This model is almost like a radio-assist free flight type - gentle hand glides are in order to get the initial trim safe enough for turning the juice on. Do not throw it upwards, a firm level shove is enough when there is a light breeze. She goes gently, let her gain height without heaving on the stick, as this only wastes power and if you self-launch, with the trims near enough right.

Take-offs on the grass, so far, are a bit fraught, depending on the breeze, the grass, and cell capacity.... So enjoy, watch those turns, though, the dihedral and washout of the tips make a deal of difference to what I have experienced with a straight dihedral and flat wings. ■





COLOUR SCHEME
 RED - All undersides & fuselage, rudder trim
 WHITE - Rest of A/C
 BLACK - Registration letters



Standard colour scheme of S.A.N. A/C is RED & CREAM.

SCALE 1:40
JODEL
D.117

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Bubble-canopy version of the much loved 'Jug', photographed in fine detail. (105 images)

Polikarpov Po-2 CD88

The world's most numerous produced aircraft of all time, the P0-2 was a great maid-of-all-work used by both military and civil groups in the old Soviet Union and its satellite states. Example depicted is pristine, and now in storage at Old Warden. (170 images)

Polikarpov I-15 CD87

The ultra agile Russian biplane fighter aircraft that saw widespread service prior to and in the early years of WW2 and during the Spanish civil war. Example illustrated is a superbly restored machine. (100 images)

Pitts S.1 CD86

Homebuilt example by Bob Millinchip, as seen at 2002 PFA Rally. Complete detail study. (36 images)

Piper Tomahawk CD85

Cranfield Flying School example of this civil ab-initio trainer aircraft. (54 images)

Piper Super Cub CD84

The later, 'cleaned-up' version of the famous Piper J-3, with more elegant engine cowl. Two examples shown. (80 images)

Piper L-4 Grasshopper CD83

Military version of the famous Piper J-3 Cub used during WW2 and close reconnaissance and spotter aircraft and for many other tasks. (80 images)

Percival Provost CD82

Airworthy, preserved example of the RAF piston engined basic trainer used in the 1950s. Full detail. (30 images)

Percival Mew Gull CD81

Famous 1930s racing and record setting aircraft that will forever be linked with the achievements of British aviator Alex Henshaw. (35 images)

North American T28 CD80

The advanced trainer aircraft that served in many air arms worldwide and also became a counter-insurgency ground attack aircraft. Examples illustrated are from France, where the type served for many years as the 'Fenec'. (100 plus images)

North American P51D Mustang CD79

The definitive bubble canopy Merlin Mustang. In detail, showing several restored examples. This is the Fantasy of Flight Museum's overpolished example, but the close-up detail is all there. (102 images)

North American P51B/C CD78

First of the Rolls Royce Merlin engine Mustangs, this collection depicts the Fantasy of Flight Museum's restored example, with overly polished plain metal surfaces. Much detail. (102 images) Also, 41 images of The Fighter Collection's P-51C in bare metal restoration, showing much surface and internal airframe detail. A real bumper bundle! (over 140 images)

North American B25 Mitchell CD77

Fantasy of Flight Museum's example. Photographed soon after superb restoration. Full nose to tail detail. (74 images)

North American AT6 Harvard CD76

AT-6, SNJ, Texan, Harvard – call it what you will. 55,000 were built – this example is in U.S. Army colours, with comprehensive close-up detail, nose to tail. (76 images)

North American A36 Invader CD75

The ground attack variant of the Allison engined P-51A. Photos, in detail, of the world's only airworthy example. (69 images)

Morane Saulnier MS406 CD74

French WW2 fighter that fought in the Battle of France, 1940. Swiss restored example (92 images)

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Techno Scale

Mike Evatt

If you have an interest in Scale Drawings of Australian-designed aircraft then log-on to <http://abdesignbureau.buckmasterfamily.id.au> This is the cyber home of **DB Design Bureau**. This site features the following: technical drawings and 3-view drawings of aircraft which were designed and built in Australia; plans for free-flight models of some of these aircraft. All the plans featured have been designed using CAD, and are available for downloading free of charge. You can download them in Adobe Acrobat format, print them out and build them;

Arizona Model Aircrafters at www.arizonamodels.com specialises in the precision manufacturing of scale model airplane replicas of any aircraft from the da Vinci Flying Machine and Wright Brothers Flyer through the new X-35 Joint Strike Fighter. What I didn't realise is that from time to time they sell fully completed models such as the 1911 Curtiss Model D shown in the screen shot. This super detailed beauty comes with full

sized plans and full-scale blueprints from the Smithsonian. The radio system is actually inside the pilot figure 'Glenn'. Who actually "flies" the airplane!

Paul and Ralph are brothers who have shared a lifelong interest in model aviation and maintain a web presence at www.parmodels.com The model in the screen-shot is one of their *No-Cal* models a Curtiss P-40C carrying the markings of the American Volunteer Group 3rd Pursuit Squadron. The term No-Cal refers to 'No Calories' which describes the flat or profile structure for the fuselage. These models are easy to build, look like a real airplane while flying, and are capable of flights in the 3 to 4 minute range when flown indoors. Scale fun on a budget.

The **Eynsford Model Helicopter Club** is a group of approximately 120 members encompassing beginners in the hobby to the more advanced flyer. The EMHC Flying field is located near to Eynsford Village, with stunning views of Kent's countryside. It is a helicopter-only club and their website at www.emhc.uk.com

reveals good scale content such as the Bolkov BK 109 shown in the screen-shot. This model was developed from a Graupner Helicopter kit, with many additional scale features added by its owner Bob Cook.

Since 2008, **RC Aerodyne** at www.scaleflying.com has provided customers around the globe with top quality, scale R/C aircraft, helicopter kits and an incredible selection of hobby parts and upgrades. Located in Kent, Washington just south of Seattle, they offer a wide variety of great products from many excellent brands to guarantee you both top performance and top value. Many of their scale products are officially licensed replicas, produced with input and approval from major aircraft manufacturers such as Boeing, Bell Helicopter and Hawker Beechcraft.

Flying Lines is the independent news website for control-line model aviation in the Pacific Northwest. What caught my eye on these pages at <http://flyinglines.org> was Orin Humphries



Scale Drawings of Australian-designed aircraft from DB Design Bureau.



The radio system is actually inside the pilot figure!



"No-Cal" models offer Scale fun on a budget.



This Bolkov BK 109 was developed from a Graupner Helicopter kit.



Officially licensed replicas from RC Aerodyne.



Orin Humphries quest to create an accurate control-line replica of the F-84E Thunderjet.

ours hyperspace for more TechnoScale Topics...

extraordinary mission to create an accurate control-line replica of the Republic F-84E Thunderjet. Flying Lines also includes much to interest C/L flyers - news, views and articles, as well as web-links to other relevant websites.

Jim Ealy aka **The Vintagesailplaner** maintains an excellent website at www.vintagesailplaner.com. Jim takes pride in being able to offer you many free plans for some of the finest classic sailplanes that have ever soared across the sky, as well as kits for some of them as well. In this age of ARF planes, he feels that it is important to pass on the designs and building skills that have served the aero modelling community for so many decades. The 'Minimoa' kit is a case in point. 170" of wood that is not hard to build. The laser cut parts are by Bob Holman and the plans are from Chris Williams. The sheet and strip wood are from National Balsa.

Sky Bench at www.skybench.com is owned and operated by Ray Hayes who started his obsession with model aviation

when he was six. He is committed to the support of those individuals that have the desire, patience, creativity and talent to construct and fly wood crafted planes for the sheer pleasure and rewards of accomplishment that accompany building wood kits. His ASK 18 Short Kit substantiates that claim. It includes a beautiful vacuum formed canopy, CAD drawn plans and excellent laser-cut components. There are also comprehensive build instructions on the website.

Stevens AeroModel at www.stevensaero.com strives to offer model aircraft products that are well engineered, simple to build, and exceptional to fly. Their 1928 Pietyenpol Air Camper, a vintage homebuilt American classic, features simple three channel control (RET) and has been engineered to readily accept ParkZone and E-Flite Ultra Micro DSM2 electronics. In addition to the nicest laser cut part set on the market, this kit includes a full hardware complement.

Founded 1992 in Runcorn UK, **StarLoc**

adhesives are the world's premier specialist adhesives supplier. Their retail department **Shop4glue** is the UK's premier specialist in the supply of adhesives direct to user. They are not only industrial chemists manufacturing specialist industrial adhesives but also active modellers who know the specialist needs of the modeller. Log-on to their website at www.shop4glue.com to browse their extensive range of adhesives as well as their dope, thinners and tissue.

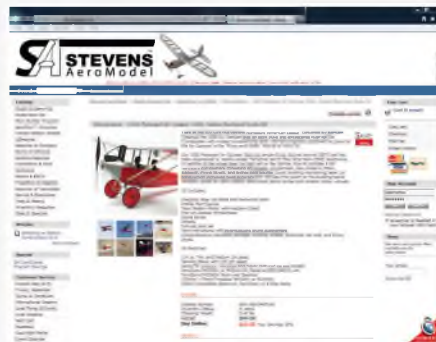
Bruce Feaver's website at <http://hippocketaeronautics.com> is a 'must visit' location for all aero modellers! **Hip Pocket Aeronautics** has the slogan, "there is nothing more satisfying than flying a model you built yourself", which says it all really. The basic site would give the novice a good insight into what our hobby is all about. But there is more! The Builder's Forum is an excellent way of getting a quick answer to your problem on-line and the new Builder's Plan Gallery offers a plethora of scale plans. ■



The 'Minimoa' kit from 'The Vintagesailplaner'.



An amazing ASK 18 Short Kit from Sky Bench.



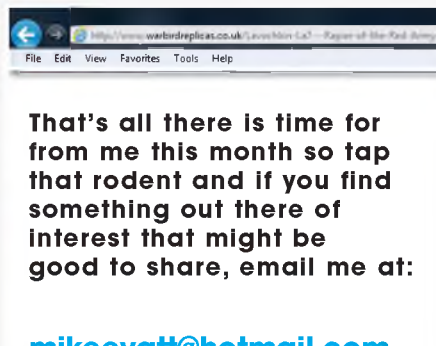
Stevens AeroModel offers a 1928 Pietyenpol Air Camper, a vintage homebuilt classic.



StarLoc adhesives are the world's premier specialist adhesives supplier.



Hip Pocket Aeronautics is a 'must visit' location for all aero modellers!



That's all there is time for from me this month so tap that rodent and if you find something out there of interest that might be good to share, email me at:

mikeevatt@hotmail.com

WARBIRDS OVER

NW WARBIRDS GO FROM STRENGTH TO STRENGTH, AND THIS YEAR, THE

RAF Shawbury nestles in delightfully deep country, and in early summer it is a pleasure to visit. There can be one drawback to this rural idyll though: the hangar and the line of trees

adjacent to the tarmac can generate some tricky downdrafts in certain wind conditions. This usually manifests itself with models that have flown well all summer, suddenly becoming sensitive to rudder on take-off, or normally obedient scale

models taking unscheduled promenades in the lush grass!

DH Sea Vixen

One or two models observed on the day demand special mention. It is not an



Chris Peers flew this fine 108" span / ZDZ 80cc powered Fairey Firefly Mk.1.



Paul 'Limey' Rice's built this wonderfully battle stained Nick Zirolli 97" span Grumman F6F-5 Hellcat. Zenoah 62 power.



ER SHAWBURY

R RAF SHAWBURY EVENT WAS BLESSED WITH SUNSHINE

everyday occurrence to happen upon a scratch-built De Havilland Sea Vixen, but George Firth's model was an utter smasher in its red and yellow livery. It weighs 30 lbs, spans seven feet, and is powered by a Wren Turbines 100 unit.

The model flashed over the RAF base looking exactly the part. On low passes you could see the asymmetric nature of the cockpit, and the long blend of those lovely curves.

Boeing B-29 FiFi

Ken McCormick's model of the Comemortive Airforce Boeing B-29 Superfortress FiFi made a very bold scale statement wheeling around on that huge wing. Powered by four

Now here is a real scale treat: George Firth's own-design, seven foot span, DH Vixen. All traditionally built, too.



Ozyray Peters' big P-51D Mustang 'Desert Rat' about to touch down.



1: Dennis Richardson's sprightly Bristol Beaufighter climbs out briskly. Weighs 18 lbs with 2x Laser 80 four stroke glow engines for power. **2:** North West Warbirders and their friends at the end of a superb day at RAF Shawbury. **3:** Andy Johnson's Fairchild-Republic A-10 was built by John Mehennet, and spans 10'8". **4:** Georgie Shone's impressively large Blackburn Skua, coming up to its quarter century and and running strong. **5:** Ken McCormick's Commemorative Airforce Boeing B-29 Superfortress 'FiFi' looking magnificent in the sun. **6:** Paul Rice's superb Douglas SBD Dauntless on a low pass. Magnificent scale model.





Phil Robertshaw's Heinkel 111 smelling the flowers. The curious curl-over from adjacent trees put a few models in the grass during the day.

engines, it sounded utterly magnificent. I love the glazed nose, and the complex undercarriage. It really did look magnificent in the sun.

Blohn & Voss 215

Looking a bit like some complex aerodynamic origami, Fred Clarke's undeniably funky B&V 215 is actually 400 electric powered. She spans 55" and weighs 4 lbs. Mostly built from sheet balsa, she also has retracts! The model

is based on a previously published free plan, which was 32" in span. I was quite taken by this off-beat aerodyne.

Hellcat

Paul Rice brought a whole fleet of superbly accurate scale models with him, all of great note, but I did not wish to overlook his wonderfully care-worn Grumman F6F Hellcat. This 93" span model was built from the Nick Ziròli plan and is powered by a Zenoah 62cc

petrol engine. The surface finish was impeccable, and the model exuded an authentic battle weary air.

The verdict

All NW Warbirds flying events are well attended, and have continuous flying. This Shawbury date is always a friendly and quietly well organised meeting. We had a great day in the sun, and the range of models flown was impressive. As always, energetic Frank Fletcher provided the liaison between NW Warbirds the RAF, but most importantly, Mrs Fletcher provided the superb Refreshments. ■

Ken McCormick's superb Boeing B29 Superfortress FiFi coming in to land.



7: Dennis Richardson's lovely Handley Page Heyford twin. **8:** Adam Johnstone with his Lavochkin La 7. **9:** Unusual, electric powered, spans 552, and weighs 4lbs. **10:** The gunner on Paul Rice's Dauntless looks as if he doesn't give a damn! It could be Clarke Gable... **11:** No-nonsense carbon reinforced fuel tank on Andy Johnson's dual Wren Supersport powered A-10. **12:** Ancient Enya Twin in Georgie Shone's equally ancient Blackburn Skua.



PLANS AND PARTS

BE READY TO START BUILDING AS SOON AS YOU UNFOLD THE PLANS WITH THESE LASER-CUT PARTS SETS

Peter Rake Series



Isaacs Fury

A 33" (838mm) span electric powered model designed by Peter Rake. Published in FSM June 2006 issue 79 2 sheet plan.

Plan: £14.95
Cut Parts: £50.00

PLAN388

Peter Rake Series



Bjorn Andreasson BA-4B

A 1/6th scale 34.5" electric-powered model, designed by Peter Rake. Published in FSM April 2010 issue 125 2 sheet plan.

Plan: £14.95
Cut Parts: £50.00

PLAN356

Peter Rake Series



Morane Saulnier Type G

A 34" wingspan scale model designed by Peter Rake for electric power using small brushless motors, LiPo batteries and three-function control. Published in FSM October 2009 issue 119 2 sheet plan

Plan: £14.95
Cut Parts: £50.00

PLAN360

Peter Rake Series



SE5a

A 36" wingspan, electric powered scale model for four function control by Peter Rake. Published in FSM July 2007 issue 92.

Plan: £19.95
Cut Parts: N/A

PLAN380

Peter Rake Series



SPAD XIII

A 36" wingspan, electric powered scale model designed by Peter Rake, 3 sheet plan. Published in FSM March and April 2007 issues 88 and 89 3 sheet plan.

Plan: £19.95
Cut Parts: £50.00

PLAN382

Peter Rake Series



Ansaldo A.1 Balilla

A 37" wingspan electric powered scale model designed by Peter Rake. Published in FSM May 2011 issue 138 and June 2011 issue 139.

Plan: £19.95
Cut Parts: £45.00

PLAN343

HOW TO ORDER: www.adhpublishing.com/shop

WHAT DO THE CUT-PARTS SETS CONTAIN?

The components, in balsa and ply that you would otherwise have to trace off the plan onto the wood and then tediously cut out prior to commencing building! Basic strip and sheet wood not included. Be ready to start building as soon as you unfold the plans!

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RC Scale IC Power



CUT PARTS

Bristol Beaufighter

For .75 to .80 size four stroke engines, four sheet plan. Featured in Flying Scale Models August 2012 (issue 153) 86 ins wingspan

Plan: £34.95
Cut Parts: £180.00

PLANMF14

RC Scale IC Power



CUT PARTS

Aeronca C-3

A quarter-scale 108" (2743MM) model of the famous 1930s American single seat light aircraft, designed by Philip S. Kent to competition standard. Suits four function R/C and 1.00 - 1.20cu.in four stroke engines. 2 sheet plan set. First Appeared in: FSM - Jan 2007

Plan: £19.50
Cut Parts: £95.00

PLAN293

RC Scale IC Power



CUT PARTS

Albatros C.III

1/4 scale replica of the German WW1 reconnaissance aircraft. from the design board of Australian Gary Sunderland. 114.8" (2916mm) wingspan model suits 45cc engines. First Appeared in Flying Scale Models January 2010

Plan: £28.50
Cut Parts: £175.00

PLAN321

RC Scale IC Power



CUT PARTS

Albatros D.III

A 1/4 replica of the German WW1 fighter aircraft from Australian designer Gary Sunderland. 88.6" (2250mm) model suits engines 23 to 35cc. Four function R/C required for rudder, elevator, ailerons throttle commands. Three sheet plan set. First Appeared in: FSM - Feb 2007

Plan: £25.50
Cut Parts: £135.00

PLAN297

RC Scale IC Power



CUT PARTS

Albatros D.II

Designed by Australian R/C scale expert Gary Sunderland, plans for this classic German WW1 fighter available in 1/4 scale. Spans 83.7" (2125mm) and suits 25cc motors. First Appeared in: Flying Scale Models - February 2007

Plan: £22.50
Cut Parts: £135.00

PLAN7

RC Scale IC Power



CUT PARTS

Albatros J.1

This 1/8th scale model by Dr.Mike Hawkins span 69.5" (1765mm) and suits .60 cu.in four stroke engines or two-stroke equivalent. Two sheet plan. First Appeared in: FSM - Aug 2007

Plan: £19.50
Cut Parts: £135.00

PLAN302

TEL: 01525 222573 FAX: 01525 222574

THE QUIET ZONE

R/C SCALE ELECTRICS BY PETER RAKE

Here we go again; more interesting waffle about electric powered scale models - although, this time there isn't actually likely to

be that much waffle involved. From that, if you're a regular reader, you'll have worked out that I got some other poor soul to write this for me. In past issues we've looked at

LOOKING ABSOLUTELY MAGNIFICENT, AND EVERY INCH A CAMEL, JON'S MODEL FLIES BY OVERHEAD.

miscellaneous areas of models, and seen how various details were produced. This time, and this is likely to spread over more than one issue, I have persuaded Jonathan Rider to give a much more in-depth look at how he produced his stunning Sopwith Camel model. Based on the AerodromeRC kit (not one of my designs for a change), Jon has added some really interesting features to his model. Interesting and innovative, and well worth a much closer look.

So, because there's quite a bit of information to cram in, without further delay I'll hand you over to Jonathan.

The Sopwith Camel was a British First World War single-seat biplane fighter introduced on the Western Front in 1917. Manufactured by Sopwith Aviation Company, it had a short-coupled fuselage, heavy, powerful rotary engine, and concentrated fire from twin synchronized machine guns. Though difficult to handle, to an experienced pilot it provided unmatched manoeuvrability. A superlative fighter, the Camel was credited with shooting down 1,294 enemy aircraft, more than any other Allied fighter of WW1. It also served as a ground-attack aircraft, especially near the end of the conflict, when it was outclassed in the air-to-air role by newer fighters.

Our example, is the Sopwith Camel B6299 flown by Lieutenant Norman Miers MacGregor of 10th squadron RNAS B flight. During the latter part of the war, Naval squadron 10 was withdrawn from an active part on the front back to IV





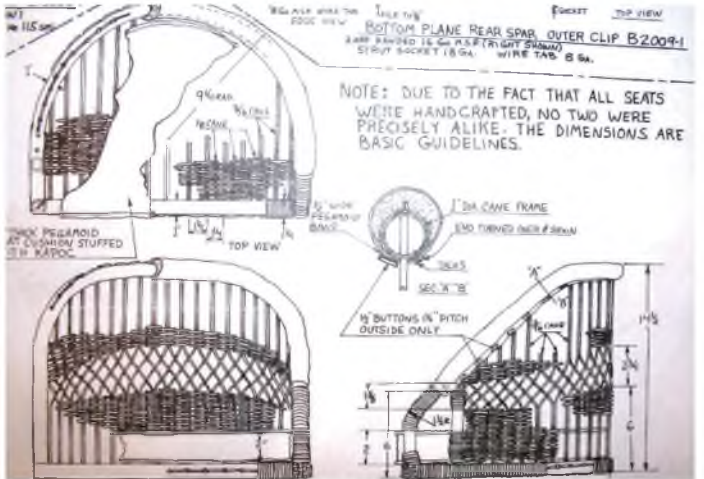
Spent cartridges, a little scrap and lots of ingenuity go to make up the intricately detailed instrument panel.



The cockpit interior before much of it gets hidden by the surrounding structure. Could almost be the real thing, couldn't it?



Beautifully made machine-guns, good panel detail and just the right amount of dirt all add to the realism.



Just one of the many references Jon amassed before making the seat.

brigade near the coast due to low morale, bad leadership and numerous other 'issues' with the squadron. There they sat in December 1917, flying boring and unproductive patrols along the coast. Repetitive and boring work, the morale of the squadron became even lower.

According to a few of the squadron's Canadian pilots, the idea was to give each 'flight' their own identity and colour scheme to 'improve morale' and to liven up the squadron. The men enlisted a few of the ground crew, and pilots FSL Hall and FSL Nelson got permission from a now uninterested squadron commander to paint the aircraft.

The weather during Christmas, 1917 was wild, nasty and downright bad for flying, so under the cover of the hangars, and through Christmas Eve and Christmas Day 1917, they got to painting - on December 26th, 1917, the new colours emerged from the hangars, Black for 'A' flight, Red for 'B' flight and blue for 'C' flight. The pilots could decorate their wheels as they saw fit, so each had its own custom design.

Here is one of them, B6299 a Clerget Camel, as it sat on the field, on February 1st, 1918 at Teteghem Field, flown by Flight Commander FCdr. N.M. Macgregor. If you listen close, you can almost hear the Clerget motor running in the morning mist....

Aims for the model

The Camel is a 1/9th scale aircraft with

a 39" wingspan and a weight of 28 oz, just slightly larger than your ordinary 'Park Flyer'. You could fly it in a sports field, but make sure you have enough room to manoeuvre. The Camel is what is called a 'short coupled' aircraft, meaning the nose is short, and the motor is close to the centre of gravity. The Clerget motor, petrol and the guns were the heaviest things on the real aircraft, and with the nose so short, you have to be very aware of where you place your R/C modelling electronics and components on your model to ensure you are not adding additional weight behind the CG to make sure she balances correctly.

When looking at the Camel, there were some very interesting details I wanted to re-produce on this 1/9th scale kit. The first would be the most noticed in the air, a spinning Clerget motor with the propeller, I wanted the entire package to spin like the original, and that was going to lead into a challenging engineering problem. As some may be aware, the new smaller outrunner electric motors spin much faster than their WW1 rotary counterparts. New electric motors can reach 7,000-10,000 RPM, where the Clerget rotary engine of WW1 would spin at 1,700 RPM. If you took a balsa or plastic decorative motor and spun it at the speeds of the electric motor, it most likely would destroy itself and the aircraft you installed it on! Not a great way to start, so we needed to design a way of

making it work safely and scale-like.

The other key area I wanted to focus on was the cockpit. This is an area where most sport builders will place a pilot bust or a decal instrument panel and make it look great from a distance, 'Stand-off Scale' if you will. However I wanted to see how detailed I could get the cockpit of this Camel, so I decided to make the control column and rudder bar move with the servos, as well as make a full scale instrument panel, accessories and most importantly, a scale seat. Not just any seat, but a fully woven wicker seat as used in the full-sized Camel.

A few other details that I will cover are the painting of this elaborate scheme, adding rib stitching (something that is easy to do and adds a lot of character to your airplane, as well as comments from other modellers) and a scale operational undercarriage.

Now off to the build! If you are familiar with building wooden kits - this should go right together for you. The challenge is thinking, "keep the weight as far forward as possible" so anytime you add weight to the tail, you will need to match it about 10 times in the nose. (A great rule of thumb for such a short coupled airplane is for every ounce in the tail you will need 10 oz in the nose). Planning is the big key here, build it strong but light in the tail.

The cockpit and fuselage

To begin the build, I obtained the kit



With the first row of basketwork in place the modelling knife reveals just how small this seat really is.



All the weaving done and the mat that forms the base trimmed and fitted.



The finished item, all ready for lap straps and installation in the cockpit. Note how the wash of colour and leather trim add just the right look.

and plans and construction was commenced on the fuselage front. Now this build is unique as the fuselage is built in two sections with a 'square box' up front and a stringer tail behind the cockpit. This allows us to build and add any scale details to the cockpit without having to work with a full length fuselage, as we can add the tail section later. Keeping in mind that the weight will have to remain as forward as possible, the electric motor, dummy Clerget motor and ESC will mount to the front of the firewall, the battery, BEC and elevator servo will mount to the back of the firewall, the rudder servo in front of the cockpit, and the aileron servos in the wings. What this does is put any element of weight in front of the CG. During the build, any items that weighed more than an ounce, or were part of the RC electronics, were placed in front of the CG. The result is that no additional weight was needed to balance the aircraft. This is a great way to plan ahead when building a scale model aircraft. Lightweight is the goal, and any need for additional balance weight should be avoided at all costs.

The cockpit design and planning started with many research photographs from the internet, reproductions, museum aircraft and old 'action' photographs. The three areas of the cockpit that were the basis of getting the dimensions correct are the instrument panel, the control stick location and the seat. I made a paper mock-up of each component and measured where each should be in reference to the plans and scale drawings. Using paper mock-ups is a great tool to make sure you have your measurements correct, and it's cheap if you make a mistake.

Once I had the sizes and placement of these components, I made the instrument panel out of light plywood, adding brass instruments and printed dials from images I took from the real panels. The 'glass' covering is clear plastic, and the brass switches are from old .22 calibre shell casings. All of the brass was recycled shell casings and old brass sheeting from other projects.

When the panel was completed, I started with the control column. The information I found on the control stick had its design with a triangular top, wrapped in rope with two triggers, one for each machine gun. The column was attached to a tube running lengthwise from the rudder bar to under the seat. So how was I going to make the stick move fore and aft with the elevator, as well as left and right with the ailerons? Well, we know that the control column moved the surfaces on the real Camel, so why can't we reverse that and have the control surfaces move the stick on the model? We don't want to interfere with our servos moving the control surfaces, and you don't want to introduce multiple points of failure between the servo and the tail surfaces because any failure would cause a crash.

So for the control stick, I mounted an aluminium tube lengthwise in the cockpit floor and attached the control stick to the aluminium tube with a micro

bolt and nut, so that if the control arm moved forward and back, it would pivot on the nut and bolt - and, if you moved it side to side, it would pivot the entire aluminium tube, just like the real Camel. Great - we have our articulating control column - now to make it move.

The elevator servo was placed far forward right behind the firewall in the 'cheek' of the Camel. I added two bellcranks on the aft side of the cockpit to convert the 'push-pull' of the elevator servo into a pull-pull system for each elevator half. With the bellcrank system installed, I added a third horn on the bellcrank bar, and it is attached to the control column. So when the elevator servo moves, the entire bellcrank bar moves and it, in turn, moves the control stick forward and back. It is attached by thread, so it remains flexible. I also now have four connection points; the elevators (two on top, two on the bottom).

The aileron coupling was a different challenge. The servos for the ailerons were in the wings, and how would I transfer the movement of the ailerons back to the control stick? Cables would have been way too complex and would probably bind the system, which we had to be avoided.

So how can a control stick be moved by a servo? Well, let's add another servo! I installed a sub micro servo and plugged it into a spare channel slot on the receiver, and linked it with the aileron channel, then put on a small servo arm to the end of the aluminium tube, attached it with a small piece of wire to the sub-micro servo arm, and we now have our operating aileron controls! Now, when you operate the elevator and aileron, the stick will move in the proper direction.

The rudder bar was easiest to arrange. I just mounted the servo under where the rudder bar was located on the full sized aircraft, and used a hardwood servo arm, carved to look like the full sized rudder bar. So the rudder cables are attached directly to the rudder bar, which is really the extended servo arm - solution complete.

The seat of the matter

So we now have our scale cockpit with operating controls and scale instrument panel, but it needed a wicker seat to finish off the scale details. I found a company that made replica seats for some museum projects and restorations, and they had full sized measurements and drawings to go by. So, armed with that information, we had what we needed to start making the seat. The seat is made up of a metal wire frame, wrapped in straw from the craft store (I purchased a large bag, and selected straw pieces that were small and consistent) When the frame was wrapped, I spent some time conducting many trial fits into the cockpit to ensure it would be the right size, without interfering with the controls and 'look' right. I have found that sometimes you have to adjust the size of items on a scale airplane to make it look correct. Even though the measurements are exact, on a 1/9th scale model, they may look too small or too big, and sometimes you may have to adjust these measurements slightly to get the right look.

Before I weaved the chair back, I made the chair bottom to practice weaving and to make sure I could get a scale look. I made a small weaving frame out of scrap balsa wood and

wrapped the straw around it to weave to, just like the threads in a loom. When I had my base to start with, I then weaved in a 'one-one' pattern (One above, next thread below, next one above, next below) just like the little pot holders we made for Mum in primary school. Once the mat was completed, I made sure the straw was pulled nice and tight. I put the mat aside and started weaving on the seatback. The threads were wrapped vertically, then I started to weave from the bottom up, this is a two-by-two weave, meaning you go over two vertical threads, then under two. Stop 1/3rd of the way up, skip 1/3rd then start again, this time pull the vertical lines over and weave over two, under two, and you will have the nice seatback pattern as shown in the photos.

When finished with the seat back, measure and cut out the seat bottom from the mat you made earlier and glue on the seat bottom. Add a coat of Shellac (with a little amber shading), a little strip of brown leather or vinyl and you now have a scale So (with Camel pilot's seat).

Add other details as you see fit, as there are pumps, valves and the Clerget engine had a throttle, you can add these details as well. I added seat belts from old bed sheet fabric, and I made the seat belt from buckle brass wire, and the seat belt eyelets from brass tubing.

Unfortunately I've run out of space for this month, but will support the description of making the seat with a step-by-step description next time. In the meantime, if you want to contact me you'll find me at

PETERRAKE@aol.com ■



Classifieds



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SS10230 - S-3 VIKING IN ACTION (Soft Cover) SS50230 - S-3 VIKING IN ACTION (Hard Cover)

The Lockheed S-3 Viking was developed in the late 1960s to serve as a dedicated carrier-based anti-submarine aircraft. Over the years, it evolved into an outstanding surveillance and anti-surface platform, effective not only against submarines but also large and small surface ships. The Viking and its main variant, the highly-classified ES-3A Shadow electronic surveillance aircraft, played a key role in the Cold War and in the conflicts of the 1990s. The book is one of the few publications to tell the Viking story and is packed with photos and detailed line drawings, all depicting the aircraft's weapons, paint schemes, sensors and interior. It also provides an overview of some of the more significant variants that were studied, but never fully pursued, such as the Carrier On-Board Delivery (COD) and dedicated (KS) refueling variants. It also discusses the aircraft's role in Operation Desert Storm and how the lessons learned from that conflict impacted the Vikings' mission during the latter part of the 1990s and early 2000s. Illustrated with 165 photographs, line drawings, and numerous color profiles; 80 pages.



SS25070 - Heinkel He 111 Walk Around (Soft cover) SS65070 - Heinkel He 111 Walk Around (Hard cover)

The Heinkel III saw service on all Germany's military fronts in the European Theater of World War II. The He III entered the war as a medium bomber, supporting Wehrmacht ground campaigns. After the tide in the conflict had turned against the Reich, and air superiority had been achieved by the Soviet Union and the Western Allies, the Heinkel III was largely relegated to transport functions. This iconic warplane had its origins as a cutting-edge civil airliner in the mid-1930s. But war was looming and before long it was adapted for use as a bomber. The first mass-produced versions, the He III-E and He III-F, served in the Condor Legion with Francisco Franco's Nationalist forces in the Spanish Civil War, paving the way to further military engagement once World War II broke out. Although produced in large numbers and exported to many countries before and during the war, few examples of the He III survive today. This walk around features detailed photographic images of the He III-P1 restored and preserved in Norway, and the He III-H20 on display in the RAF museum in Britain. Illustrated with 228 photographs, detailed line drawings, and color profiles. 88 pages.



SS25041 - A-4 SKYHAWK WALK AROUND (Soft Cover) SS65041 - A-4 SKYHAWK WALK AROUND (Hard Cover)

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CONTENTS

6 **CLIFF CHARLESWORTH**

7 **PETER RAKE**

15 **CONTROL LINE**

20 **De HAVILLAND RC CLASSICS**

20 **FREE FLIGHT CONTEST MODELS**

22 **FREE FLIGHT SPORT**

29 **RC GLIDERS & SAILPLANES**

30 **RC SCALE ELECTRIC**

40 **RC SCALE GLIDERS**

41 **RC SCALE POWER**

58 **RC SPORT ELECTRIC**

61 **RC SPORT IC POWER**

73 **RC WATERPLANES**

74 **FREE FLIGHT VINTAGE**

75 **FREE FLIGHT SCALE MODELS**

78 **RC SCALE IC ELECTRIC**

80 **RC SPORTS**

82 **FREE FLIGHT SCALE**

85 **FREE FLIGHT EBENEZER**

89 **INDOOR RC FREE FLIGHT**

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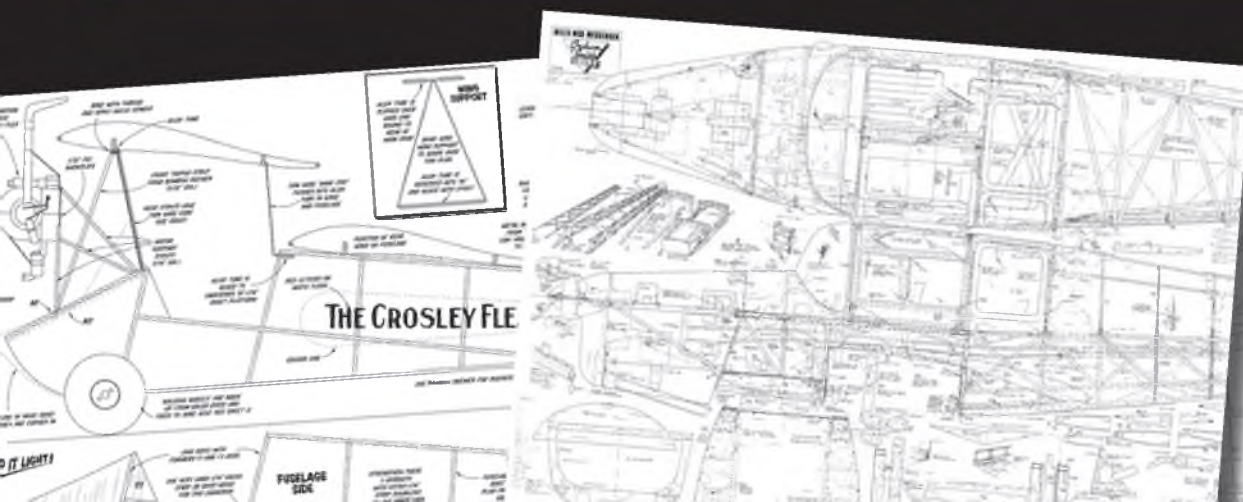
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Cut Parts: £135.00

PLAN158

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Cliff Charlesworth Scale Gliders



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PLAN83

Cliff Charlesworth Scale Gliders



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Plan: £22.50
Cut Parts: £130.00

PLAN81

Cliff Charlesworth Scale Gliders



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PLAN220

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PLAN101

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Plan: £24.50
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PLAN98

Cliff Charlesworth Scale Gliders



MU13-D3

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Cut Parts: £125.00

PLAN125

Cliff Charlesworth Scale Gliders



Lo 100

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Cut Parts: £125.00

PLAN217

Cliff Charlesworth Scale Gliders



Olympia 2B (DFS Meiser)

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PLAN139

Cliff Charlesworth Scale Gliders



SF28A Tandem Falke

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Plan: £28.50 **Cut Parts:** £140.00

PLAN176

Cliff Charlesworth Scale Gliders



T61 Falke

1/4 scale model with a wing span of 147.6" (3750mm). Suits .60-.90 cu.in motors.

Plan: £26.50
Cut Parts: £135.00

PLAN223

Peter Rake Series



Sopwith 1.1/2 Strutter

Peter Rake's 36" model for electric power. Published in FSM February 2005 issue 63 2 sheet plan.

Plan: £14.95
Cut Parts: N/A

PLAN395

Peter Rake Series



Ponnier 1913 Racer

Model designed by Peter Rake for electric power of the pioneer era racing plane 50" wingspan. Published in FSM December 2006 and January 2007 issues 85 and 86 4 sheet plan.

Plan: £24.95
Cut Parts: £50.00

PLAN384

Peter Rake Series



White Monoplane 1919

Peter Rake's simple to build sport scale model for 3 channel RC and geared 400 electric motor power wingspan 40.5". Published in FSM December 2002 issue 37 2 sheet plan.

Plan: £14.95
Cut Parts: £125.00

PLAN420

Peter Rake Series



Farman Sport Monoplane

24" model for electric power designed by Peter Rake for electric power of the 1926 French entry for the Coupe Zenith. Published in FSM August 2007 issue 93.

Plan: £19.95
Cut Parts: N/A

PLAN379

Peter Rake Series



Bristol Scout Model 'C'

A 26.1/2" wingspan, sport scale model designed by Peter Rake for IPS electric power, LiPo batteries and three-function control. Published in FSM September 2010 issue 130 2 sheet plan

Plan: £19.95
Cut Parts: £50.00

PLAN352

Peter Rake Series



Duigan Tractor Biplane

A 27" span, IPS-powered scale model designed by Peter Rake. Published in FSM May 2008 issue 102.

Plan: £19.95
Cut Parts: N/A

PLAN372

Peter Rake Series



Sopwith Camel

An IPS-size 27" model designed by Peter Rake for electric power. Published in FSM July 2008 issue 104.

Plan: £19.95
Cut Parts: N/A

PLAN370

Peter Rake Series



Fokker Eindecker 280

A 36" wingspan Peter Rake sport scale model for geared 280 motors and three function RC. Published in FSM May 2005 issue 66 2 sheet plan.

Plan: £14.95
Cut Parts: £50.00

PLAN393

Peter Rake Series



Sopwith Swallow/Scouter

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Plan: £19.95
Cut Parts: N/A

PLAN376

Peter Rake Series



Castiibert IV

A 30" span model of an unusual Argentine aircraft designed by Peter Rake for electric power. Published in FSM April 2007 issue 89.

Plan: £19.95
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PLAN381

Peter Rake Series



Fokker F.II

Two sheet plan of the 30" wingspan RC electric model by Peter Rake published in November 2012 (issue 156).

Plan: £9.95
Cut Parts: £35.00

PLAN338

Peter Rake Series



Fokker D.VIII

A 30" wingspan model for experienced fliers using geared 150 motor and 3 function RC designed by Peter Rake. Published in FSM December 2003 issue 49.

Plan: £9.95
Cut Parts: N/A

PLAN410

Peter Rake Series



Pfalz EIII

A 30" scale model of the early WWI Scout aircraft. Designed for electric power by Peter Rake. Published in FSM October 2011 issue 143.

Plan: £9.95
Cut Parts: £35.00

PLAN347

Peter Rake Series



Sperry Messenger

A 30" span, 1/8th scale model designed by Peter Rake for electric power. Published in FSM December 2009 issue 121 2 sheet plan.

Plan: £14.95
Cut Parts: £50.00

PLAN359

Peter Rake Series



Rumpler Taube

Two sheet plan of the 30" Rumpler Taube by Peter Rake for electric power published in September 2012 (issue 154).

Plan: £9.95
Cut Parts: £39.00

PLAN336

Peter Rake Series



Sopwith Dolphin

Peter Rake's 33.5" scale model for electric power and 3 channel RC and 400 geared motor. Published in FSM September 2002 issue 34.

Plan: £9.95
Cut Parts: N/A

PLAN423

Peter Rake Series



Isaacs Fury

A 33" (838mm) span electric powered model designed by Peter Rake. Published in FSM June 2006 issue 79 2 sheet plan.

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Cut Parts: £50.00

PLAN388

Peter Rake Series



Bjorn Andreasson BA-4B

A 1/6th scale 34.5" electric-powered model, designed by Peter Rake. Published in FSM April 2010 issue 125 2 sheet plan.

Plan: £14.95
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PLAN356

Peter Rake Series



Morane Saulnier Type G

A 34" wingspan scale model designed by Peter Rake for electric power using small brushless motors, LiPo batteries and three-function control. Published in FSM October 2009 issue 119 2 sheet plan

Plan: £14.95
Cut Parts: £50.00

PLAN360

Peter Rake Series



Morane Saulnier Racer

A 34" two sheet plan by Peter Rake for electric power. Published in FSM December 2012 issue 157.

Plan: £9.95
Cut Parts: £35.00

PLAN339

Peter Rake Series



Avro Arrowscout

A 36" scale model for electric power and three-or four-function control systems designed by Peter Rake. Published in FSM June 2009 issue 115.

Plan: £19.95
Cut Parts: N/A

PLAN364

Peter Rake Series



R.A.F BE2c

Peter Rake's 35.25" easy to build and fly model for 400 electric motor or IC and 3 channel RC. Published in FSM March 2002 issue 28.

Plan: £9.95
Cut Parts: N/A

PLAN429

Peter Rake Series



Samolot WZ-XI 'Kogutek'

A scale electric powered model designed by Peter Rake wingspan approx 35". Published in FSM September 2011 issue 142.

Plan: £9.95
Cut Parts: £35.00

PLAN346

Peter Rake Series



Avro 504K

A 36" wingspan electric model for 3 function RC designed by Peter Rake. Published in FSM July 2003 issue 44 2 sheet plan.

Plan: £14.95
Cut Parts: N/A

PLAN415

Peter Rake Series



Moska MB bis

Peter Rake's 36.5" (927mm) span sport scale model, designed for an inexpensive 300 size brushless outrunner motor and three function radio control. Published in FSM June 2005 issue 67 2 sheet plan.

Plan: £14.95
Cut Parts: £50.00

PLAN392

Peter Rake Series



Bristol F2B Brisfit

Peter Rake's 36" wingspan model for electric power and three function RC. Published in FSM March 2006 issue 76 2 sheet plan.

Plan: £14.95
Cut Parts: £50.00

PLAN389

Peter Rake Series



Sopwith Camel

A 36" span, electric-powered scale model design by Peter Rake. Published in FSM December 2004 issue 61 2 sheet plan.

Plan: £14.95
Cut Parts: N/A

PLAN397

Peter Rake Series



SE5a

A 36" wingspan, electric powered scale model for four function control by Peter Rake. Published in FSM July 2007 issue 92.

Plan: £19.95
Cut Parts: N/A

PLAN380

Peter Rake Series



SPAD XIII

A 36" wingspan, electric powered scale model designed by Peter Rake, 3 sheet plan. Published in FSM March and April 2007 issues 88 and 89 3 sheet plan.

Plan: £19.95
Cut Parts: £50.00

PLAN382

Peter Rake Series



Ansaldo A.1 Balilla

A 37" wingspan electric powered scale model designed by Peter Rake. Published in FSM May 2011 issue 138 and June 2011 issue 139.

Plan: £19.95
Cut Parts: £45.00

PLAN343

Peter Rake Series



Powell PH-2 Racer

A 1/5th scale 37" electric-powered model designed by Peter Rake. Published in FSM September 2009 issue 118 2 sheet plan.

Plan: £14.95
Cut Parts: £50.00

PLAN361

Peter Rake Series



Fokker D.VII Electric

Peter Rake's 38" RC electric model for 400 size motors of the WW1 German Fighter. Published in FSM February 2004 issue 51 2 sheet plan.

Plan: £14.95
Cut Parts: £55.00

PLAN406

Peter Rake Series



S.E.5

Peter Rake's 38" span for electric power and three or four-function control systems. Published in FSM August 2004 issue 57 2 sheet plan.

Plan: £14.95
Cut Parts: N/A

PLAN400

Peter Rake Series



Waco SRE

A sport scale 38", electric powered model designed by Peter Rake. Published in FSM October 2004 issue 59 2 sheet plan.

Plan: £14.95
Cut Parts: N/A

PLAN398

Peter Rake Series



De Havilland DH 82a Tiger Moth

Peter Rake's 39.5" simplified model for 400 size motors 3 channel RC. Published in FSM July 2002 issue 32 2 sheet plan.

Plan: £14.95
Cut Parts: N/A

PLAN425

Peter Rake Series



Armstrong Whitworth FK 3

Peter Rake's electric powered scale model for small out runner motors and three channel control, operating rudder, elevator and throttle, wingspan 40". Published in FSM February 2011 issue 135.

Plan: £9.95
Cut Parts: £45.00

PLAN341

Peter Rake Series



Huntington H.12

Peter Rake's 40" simple scale model for 400 electric power and 3 channel RC. Published in FSM June 2002 issue 31 1 sheet plan.

Plan: £9.95
Cut Parts: N/A

PLAN426

Peter Rake Series



Sopwith Pup

A 1/8th scale 40" model designed by Peter Rake for electric power. Published in FSM July 2009 issue 116.

Plan: £19.95
Cut Parts: N/A

PLAN363

Peter Rake Series



Morane Saulnier A1

A 42.75" span electric-powered scale model designed by Peter Rake. Published in FSM August 2009 issue 117.

Plan: £19.95
Cut Parts: N/A

PLAN362

Peter Rake Series



AIR-1

A simple, but attractive, 42" scale model of a little known Alexandr Yakolev's Russian prototype. Designed by Peter Rake. Published in FSM April 2011 issue 137.

Plan: £9.95
Cut Parts: £35.00

PLAN342

Peter Rake Series



Albatros D.II

Albatros DII 42" plan by Peter Rake for electric power and four function RC. Published in FSM November and December 2008 issues 108 and 109.

Plan: £24.95
Cut Parts: £55.00

PLAN367

Peter Rake Series



B.A.T. FK-24 Baboon

A 42" span model, designed by Peter Rake for electric power. Published in FSM July and August 2006 issues 80 and 81 4 sheet plan.

Plan: £24.95
Cut Parts: £50.00

PLAN387

Peter Rake Series



Fokker D.VIII

A 1/8 scale electric powered model designed by Peter Rake wingspan 42". Published in FSM June 2012 issue 151 2 sheet plan.

Plan: £14.95
Cut Parts: £75.00

PLAN408

Peter Rake Series



DFW C.V

An electric powered, 1/12 scale model of the German WW1 reconnaissance designed by Peter Rake wingspan 43. Published in FSM December 2011 issue 145 and January 2012 issue 146.

Plan: £19.95
Cut Parts: £95.00

PLAN348

Peter Rake Series



FE8

A sport-scale model for electric power, designed by Peter Rake wingspan 43". Published in FSM November 2006 issue 84 2 sheet plan.

Plan: £14.95
Cut Parts: £50.00

PLAN385

Peter Rake Series



Lublin R-XII

A sport scale 43", electric-powered model, designed by Peter Rake. Published in FSM February 2010 issue 123 2 sheet plan.

Plan: £14.95
Cut Parts: £50.00

PLAN358

Peter Rake Series



Albatros D.III

1/8th scale model, designed by Peter Rake for electric power and four function RC wingspan 44". Published in FSM June and July 2010 issues 127 and 128.

Plan: £24.95
Cut Parts: £89.00

PLAN354

Peter Rake Series



Sperry Monoplane

Peter Rake's simple 44.75" semi-scale model for geared 400 electric power and 3 channel RC. Published in FSM August 2002 issue 33 2 sheet plan.

Plan: £14.95
Cut Parts: N/A

PLAN424

Peter Rake Series



Wright WP-1

A simple scale model for electric power, designed by Peter Rake wingspan 45". Published in FSM November 2010 issue 132 2 sheet plan.

Plan: £14.95
Cut Parts: £50.00

PLAN350

Peter Rake Series



Sablier S-12

Peter Rake's 45" wingspan model for electric power and 3 channel RC. Published in FSM Jan/Feb 2002 issue 27.

Plan: £9.95
Cut Parts: N/A

PLAN430

Peter Rake Series



Sopwith Triplane

A 45" wingspan electric model designed by Peter Rake of the WW1 Triplane. Published in FSM November 2003 issue. 48 2 sheet plan.

Plan: £14.95
Cut Parts: N/A

PLAN411

Peter Rake Series



Stahlwerk

A simple 45" wingspan sport scale model by Peter Rake for 400 size electric motors and 3 channel RC. Published in FSM July/Aug 2000 issue 17 2 sheet plan.

Plan: £14.95
Cut Parts: N/A

PLAN439

Peter Rake Series



Bristol M1C

1/8th scale 46" electric-powered model, designed by Peter Rake. Published in FSM August 2008 issue 105.

Plan: £19.95
Cut Parts: N/A

PLAN369

Peter Rake Series



Eastbourne Monoplane

Peter Rake's 48" wingspan three function RC model for electric power. Published in FSM October 2007 issue 95.

Plan: £19.95
Cut Parts: N/A

PLAN378

Peter Rake Series



Westland Widgeon IIIA

An electric powered scale model designed by Peter Rake wingspan 48". Published in FSM February 2012 issue 147.

Plan: £9.95
Cut Parts: £65.00

PLAN349

Peter Rake Series



BE12a

A 49" (1245 mm) wingspan 1:10 scale electric-powered model designed by Peter Rake. Published in FSM March 2010 issue 124 2 sheet plan.

Plan: £14.95
Cut Parts: £50.00

PLAN357

Peter Rake Series



Martinsyde G100 Elephant

A 1/9th scale, 50" wingspan model of a WW1 scout, designed by Peter Rake. Published in FSM October 2010 issue 131 2 sheet plan.

Plan: £14.95
Cut Parts: £50.00

PLAN351

Peter Rake Series



CUT PARTS

Culver Dart

Electric powered model designed by Peter Rake with a 53.5" wingspan. Published in FSM April and May 2012 issues 149 and 150 4 sheet plan.

Plan: £24.95
Cut Parts: £80.00

PLAN401

Peter Rake Series



CUT PARTS

Morane Saulnier Type N

An electric scale 55" model for three or four function control. Designed by Peter Rake Published in FSM July 2011 issue 140 and August 2011 issue 141.

Plan: £19.95
Cut Parts: £70.00

PLAN345

Peter Rake Series



Fokker E.III Eindecker

A 60" wingspan electric powered sport scale model designed by Peter Rake. Published in FSM September 2003 issue 46 2 sheet plan.

Plan: £14.95
Cut Parts: N/A

PLAN413

Peter Rake Series



CUT PARTS

Fournier RF-4

A 60" span, sport scale model for electric power and four-channel control, designed by Peter Rake. Published in FSM August 2010 issue 129 2 sheet plan.

Plan: £14.95
Cut Parts: £50.00

PLAN353

Peter Rake Series



CUT PARTS

Albatros D.Va

Three sheet plan for the 1/6 59" Albatros D.Va by Peter Rake for electric power featured in July 2012 (issue 152)

Plan: £19.50
Cut Parts: £120.00

PLAN335

Peter Rake Series



CUT PARTS

Udet Flamingo

Two sheet plan of the 38" (965mm) wingspan electric powered scale model designed by Peter Rake published in October 2012 (issue 155)

Plan: £9.95
Cut Parts: £55.00

PLAN337

Peter Rake Series



Farman F450 'Moustique'

A 48" span, four function, electric scale model designed by Peter Rake. Published in FSM April 2008 issue 101.

Plan: £19.95
Cut Parts: N/A

PLAN373

Peter Rake Series



Nieuport 28

Peter Rake's 36" simplified scale model for geared electric 400 motors or IC and 3 channel RC. Published in FSM March/April 2001 issue 21.

Plan: £11.95
Cut Parts: N/A

PLAN434

Peter Rake Series



Ponnier L1

Peter Rake's 35.4" wingspan model for 3 channel RC and either electric 400 size motors or 1cc IC motors. Published in FSM Nov/Dec 2000 issue 19 2 sheet plan.

Plan: £14.95
Cut Parts: N/A

PLAN437

Peter Rake Series



Marinsyde S.1

Peter Rake's 36" WW1 scout model for 3 channel RC and electric or small diesel power. Published in FSM July/Aug 2001 issue 24 2 sheet plan.

Plan: £14.95

Cut Parts: N/A

PLAN432

Peter Rake Series



Waco YMF-5

Designed by Peter Rake, this 60" (1524 mm) wingspan replica of the elegant 1930s American classic biplane can be built for either electric (using a 4120 size motor/4s or 5s 5000 battery) or 10 cc (.60 cu.in.) I.C. power. Three sheet plan.

Plan: £17.50

Cut Parts: £110.00

PLAN328

Peter Rake Series



Martin MO-1

Designed by Peter Rake this 60" wingspan replica of the US monoplane for electric power. Published in FSM May and June 2013

Plan: £24.95

Cut Parts: £49.00

PLAN464

Control Line



Douglas A-26 Invader

Mike Keville's classic WWII Attack Bomber Half-A Profile Scale Control Line Model with 35.7" wingspan published in AeroModeller issue 919 (ADH001) January 2013 1 sheet plan

Plan: £7.95

Cut Parts: N/A

PLAN445

Control Line



Baby Flight Streak

26" Control line sports stunt and combat model by George Aldrich for .049-.060 size motors. First Appeared in Aviation Modeller International - November 1996.

Plan: £10.00

Cut Parts: N/A

PLAN26

Control Line



Big Fry

A 19 size control line stunter by Ron Prentice designed in 1948, 42". Published in AMI December 1996.

Plan: £9.95

Cut Parts: N/A

PLAN456

Control Line



Cavalier

Out-of-the-rut control line biplane, with good looks and a fine aerobatic performance to match. 36" (914mm) span model suit .30-.36 cu.in. size motors. First Appeared in: Aviation Modeller International - January 1998.

Plan: £11.25

Cut Parts: N/A

PLAN35

Control Line



Liquidator Mk3

Frank Dowling's 36.5" combat model for 2.5cc engines. Published in AMI July 1997.

Plan: £9.95

Cut Parts: N/A

PLAN462

Control Line



Midget Mustang

Ian Peacock brings the classic 1948 Dave Long design up to date for the control line clubman sport stunt enthusiast, 38".

Plan: £9.95

Cut Parts: N/A

PLAN449

Control Line



Small Fry

The original 27.5" Ron Prentice control line model for 1.3-1.5cc engines that won various events in '48-'50. Published in AMI October 1996.

Plan: £9.95
Cut Parts: N/A

PLAN453

Control Line



DE Havilland 94 Moth Minor

A sport scale model of the light two seat De Havilland trainer. Construction method makes extensive use of cardboard. Model spans 73".

Plan: £15.50
Cut Parts: N/A

PLAN289

Control Line



F.A.R.R.T.

A Fast Aerobatic 27.5" Roundy Roundy Thing for control line fun. A really tough all-wing machine for .19 power. First Appeared in: Aviation Modeller International - July 1997.

Plan: £20.00
Cut Parts: N/A

PLAN61

Control Line



Fifty Four

An attractive vintage style control line stunter for 2.5-3.5cc diesels or glow motors. Wing span 37.5" (953mm). First Appeared in: Aviation Modeller International - October 1998.

Plan: £11.25
Cut Parts: N/A

PLAN64

Control Line



Frog Hawker Hurricane

The Frog profile scale model plans. 24" (610mm) span model suits 1-2cc motors. First Appeared in: Aviation Modeller International - February 1996.

Plan: £10.00
Cut Parts: N/A

PLAN69

Control Line



Frog Profile Mosquito

The kit for Frog's once popular control line profile scale D.H. Mosquito has long since ceased to be available, but control line fliers can still get the plan. 36" (914mm) span model suits two 1-1.5cc motors. First Appeared in: AMI - December 1995.

Plan: £11.50
Cut Parts: N/A

PLAN66

Control Line



Kismet

A classic style control line aerobatic model from Australia featuring coupled flaps and elevator controls. Graceful semi-elliptical wing shape enhances elegant appearance. 50" (1278mm) span model requires .46-.50 size motor. First Appeared in: AMI - March 1996.

Plan: £11.50
Cut Parts: £65.00

PLAN99

Control Line



Legacy 40

A fully-up-to-date, 58" contest quality, control line aerobatic design from one of USA's leading experts. The design incorporates all the experience gained by the designer over many years of contest flying. For .40 size engines. First Appeared in: AMI - October 2003.

Plan: £12.50
Cut Parts: N/A

PLAN231

Control Line



Line Dancer

Profile fuselage control line sports model with a sparkling performance on a .049 size motor. Wing span 27" (686mm). First Appeared in: Aviation Modeller International - June 1998.

Plan: £10.00
Cut Parts: N/A

PLAN104

Control Line



Mr. Brickhaus Opus'

A proven contest winning control line aerobatic design, by respected US aerobatics expert Allen Brickhaus. 690sq.in. wing area model utilises foam wing construction and is designed for .61 size motors. First Appeared in: Aviation Modeller International - June 2002.

Plan: £12.50

Cut Parts: N/A

PLAN141

Control Line



Oliver Twist Mk.7

Martin Cowley's ultra-successful 2.5cc control line combat model revived for Combat fans. First Appeared in: Aviation Modeller International - May 1998.

Plan: £11.50

Cut Parts: N/A

PLAN138

Control Line



Peacemaker Stunt

George Aldrich's classic control line stunt model for 2.5cc motors. Wing span 47" (1194mm). First Appeared in: Aviation Modeller International - January 1997.

Plan: £12.50

Cut Parts: N/A

PLAN149

Control Line



Profile Tucano

A profile-scale 43" control line model with a good aerobatic performance. Features all-sheet fuselage and built-up wing structure. Suits .20 size motor. Prototype used PAW 19 diesel. First Appeared in: Aviation Modeller International - April 1996.

Plan: £11.50

Cut Parts: N/A

PLAN154

Control Line



Stuntfire

Semi-scale control line aerobatic model based on the Supermarine Spitfire. 59" (1500mm) wingspan model suits .40-.60 motors. First Appeared in: Aviation Modeller International - June 2001.

Plan: £13.50

Cut Parts: N/A

PLAN191

Control Line



Wild Boy

Control line aerobatic 36" model with attractive radial style cowl for .09 (1.5cc) motors. First Appeared in: Aviation Modeller International - September 1997.

Plan: £11.25

Cut Parts: N/A

PLAN212

Control Line



Grumman Guardian

C/L Carrier Deck, Class 1 for .40 size 2-strokes .44" wingspan. Originally appeared in Model Flyer Magazine Issue: Aug-01 Designer: J Marsh Power: .40 Class 1

Plan: £9.95

Cut Parts: N/A

PLANMF59

Control Line



Pirroette

32" wingspan RC fun-fly for .07 glow power. Originally appeared in Model Flyer Magazine Issue: Oct-04 Designer: B Millard

Plan: £9.95

Cut Parts: N/A

PLANMF143

Control Line



Frisky Pete

40" wing span old time stunt model for .15-.32 engines Originally appeared in Model Flyer Magazine Issue: May-09 Designer: P Miller Power: .15-.32 stunt

Plan: £9.95
Cut Parts: N/A

PLANMF229

Control Line



Déjà vu

53" wing span control line for .35 glow power Originally appeared in Model Flyer Magazine Issue: Feb-07 Designer: P Miller Power: .35 stunt

Plan: £7.50
Cut Parts: N/A

PLANMF188

Control Line



Tiger Rag

60" wingspan RC 3D flier for .40/.52 power. Originally appeared in Model Flyer Magazine Issue: Jul-04 Designer: G Smith Power: 0.4

Plan: £9.95
Cut Parts: N/A

PLANMF139

Control Line



L'il Nell

54inch span RC Aerobatic for .52 IC power. Originally appeared in Model Flyer Magazine Issue: Nov-05 Designer: G Smith Power: 0.52

Plan: £4.95
Cut Parts: N/A

PLANMF166

Control Line



Yak 54

Electric power control line model double cd motor 4-6 channel RC Originally appeared in Model Flyer Magazine Issue: Jun-11 Designer: J J Rutter Power: EP Depron

Plan: £4.95
Cut Parts: N/A

PLANMF254

Control Line



Trojan XL

27.75" wing span for 0.6cc diesels Originally appeared in Model Flyer Magazine Issue: Jun-11 Designer: R Evans Power: .6cc diesel

Plan: £4.95
Cut Parts: N/A

PLANMF255

Control Line



Revolver

Free plan with purchase of Model Flyer Magazine Issue: Mar-02 Designer: M Lewis Power: 1.5cc Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF80

Control Line



Noglu

Free plan with purchase of Model Flyer Magazine Issue: Oct-01 Designer: M Lewis Power: 1cc Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF66

Control Line



Billy Bunter

Free plan with purchase of Model Flyer Magazine
Issue: Oct-00 Designer: C Monk Power: 2.5cc

Plan: £4.35
Cut Parts: N/A

PLANMF32

Control Line



Starfighter

Free plan with purchase of Model Flyer Magazine
Issue: Mar-06 Designer: M Lewis Power: 0.5cc

Plan: £4.35
Cut Parts: N/A

PLANMF173

Control Line



Tiger Rat

Free plan with purchase of Model Flyer Magazine
Issue: Oct-05 Designer: C Coote Type: Oliver Tiger

Plan: £4.35
Cut Parts: N/A

PLANMF163

Control Line



Sallywag

Free plan with purchase of Model Flyer Magazine
Issue: Jul-03 Designer: M Lewis Power: 1/2A

Plan: £4.35
Cut Parts: N/A

PLANMF116

Control Line



Super Nova

Free plan with purchase of Model Flyer Magazine
Issue: Apr-06 Designer: M & S Waller Type: S400 EP

Plan: £4.35
Cut Parts: N/A

PLANMF176

Control Line



Simple Simon

Free plan with purchase of Model Flyer Magazine
Issue: Jul-08 Designer: M Lewis Type: EP Stunt

Plan: £4.35
Cut Parts: N/A

PLANMF215

Control Line



Live Wires

Free plan with purchase of Model Flyer Magazine
Issue: Dec-07 Designer: M Lewis Type: EP trainer
Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF204

Control Line



Wispa

Free plan with purchase of Model Flyer Magazine
Issue: Aug-11 Designer: M Lewis Type: EP Combat

Plan: £4.35
Cut Parts: N/A

PLANMF258

Control Line



Liquidator

Frank Dowling's 34.75" model from 1969 updated
by Richard Evans for today's vintage combat pub-
lished in AeroModeller 921 (ADH003)

Plan: £9.95
Cut Parts: N/A

PLAN465

De Havilland RC Scale Classics



DH 4

Gary Sunderland's scale replica of the WW1 reconnaissance biplane has a span of 84.75" (2152mm). Plan features accurate rib-for-rib duplication of full-size airframe structure and suits .80-.90 motors. 4-function radio required. First Appeared in: AMI - July 1997.

Plan: £16.50
Cut Parts: N/A

PLAN42

De Havilland RC Scale Classics



DH 51

A 66" (1676mm) wingspan scale model for 4-function R/C systems and .40-.50 size motors. Two sheet plan. First Appeared in: Aviation Modeller International - September 1998.

Plan: £16.50
Cut Parts: £115.00

PLAN50

De Havilland RC Scale Classics



DH 60 Moth

An 80" (2032mm) wingspan, 1:4.33 scale replica for .90-1.20 cu.in. motors and 4-function radio control systems. Two sheet plan. First Appeared in: Flying Scale Models - September 1997

Plan: £19.50
Cut Parts: £115.00

PLAN54

De Havilland RC Scale Classics



DH 6

A 64" (1626mm) wingspan, 1:6.6 scale model of the Airco DH 6 1917 Royal Flying Corps elementary trainer. Model is designed for 4-function R/C systems and suits .45-.61 size motors. Simple, boxy construction. Two sheet plan. First Appeared in: FSM - Nov 1998.

Plan: £14.50
Cut Parts: N/A

PLAN43

De Havilland RC Scale Classics



DH 82a Tiger Moth

An 80" (2032mm) wingspan, 1:4.33 scale model for 1.20 cu.in. motors and 4-function radio control systems. No moulded cowling required due to all-wood construction. Three sheet plan. First Appeared in: Aviation Modeller International - October 1997.

Plan: £26.50
Cut Parts: £115.00

PLAN51

De Havilland RC Scale Classics



DH89a Dragon Rapide

A 60" replica of the famous biplane light airliner for two 400-size electric motors. Three-sheet plan comes complete with detailed step-by-step written building instructions. First Appeared in: FSM - Nov 2003.

Plan: £24.00
Cut Parts: £135.00

PLAN236

Free Flight Contest Models



Anec II

Free flight model in 1/6 scale for 0.49 engines by Roy Slater. First published in AMI June 1996.

Plan: £9.95
Cut Parts: N/A

PLAN452

Free Flight Contest Models



Blue Note

Andy Crisp's highly successful F1A (A/1) Class free flight contest glider that offers first class performance, but simplicity of airframe construction. Wingspan 90.5" (2300mm). First Appeared in: AMI - September 1997.

Plan: £11.50
Cut Parts: £45.00

PLAN22

Free Flight Contest Models



F1 Havana

An FA1 F1H (A/1) Class free flight towline glider from an acknowledged expert in the field. Andy Crisp's model embodies all his practical experience gained in years of F/F contest flying. First Appeared in: AMI - November 1999.

Plan: £10.00
Cut Parts: N/A

PLAN282

Free Flight Contest Models



Fifi La Coupe

Winter Cup (Cup d'Hiver) Class contest rubber-powered free flight model with a first class performance. First Appeared in: Aviation Modeller International - April 1999.

Plan: £10.00
Cut Parts: N/A

PLAN57

Free Flight Contest Models



Sixpence

A 48.9" (1242mm) span 1/2A Class free flight power or contest model for 0.049 size motors. First Appeared in: Aviation Modeller International - August 1999.

Plan: £10.00
Cut Parts: N/A

PLAN168

Free Flight Contest Models



The Trainer

As the name suggests. An introduction-level Open Class free flight power competition model for .21-.35 size motors. 525sq.in. wing area. First Appeared in: Aviation Modeller International - January 1999.

Plan: £10.00
Cut Parts: N/A

PLAN199

Free Flight Contest Models



Thirty Something

P30 Class contest rubber-powered model that also offers fine performance for sport free flight. Has a novel dethermaliser system. First Appeared in: Aviation Modeller International - May 1998.

Plan: £10.00
Cut Parts: N/A

PLAN201

Free Flight Contest Models



Woodbury Gorse Basher

A high performance Open Rubber free flight contest model with a string of competition successes. Features geodetic wing structure and diamond section fuselage. 52.5" (1334mm) wing span. First Appeared in: Aviation Modeller International - July 1998

Plan: £11.25
Cut Parts: £35.00

PLAN214

Free Flight Contest Models



Rossignol

FAI class A1 and FIH contest sailplane 50 1/4" wingspan Originally appeared in Model Flyer Magazine Issue: Mar-00 Designer: R Twomey Power: A1 glider

Plan: £6.95
Cut Parts: N/A

PLANMF10

Free Flight Contest Models



Dixielander

Power F/F duration for sports or SLOP competition. 50" wingspan Originally appeared in Model Flyer Magazine Issue: Nov-00 Designer: G Fuller Power: SLOP

Plan: £7.95
Cut Parts: N/A

PLANMF34

Free Flight Contest Models



Senator

16" free plan in AeroModeller 919 download free for AeroModeller website!

Plan: FREE
Cut Parts: £15.00

PLAN446

Free Flight Contest Models



Catapulticus

Free plan with purchase of Model Flyer Magazine Issue: May-02 Designer: P Ball Power: HLG Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF85

Free Flight Contest Models



Drax

Free plan with purchase of Model Flyer Magazine Issue: Mar-05 Designer: T Grey Power: E30

Plan: £4.35

Cut Parts: N/A

PLANMF152

Free Flight Contest Models



Ibis 6

Free plan with purchase of Model Flyer Magazine Issue: Jan-05 Designer: A Hewitt Power: HLG25" wingspan EP pusher scale pseudo-jet for 480 motors.

Plan: £4.35

Cut Parts: N/A

PLANMF146

Free Flight Contest Models



Maximus

Free plan with purchase of Model Flyer Magazine Issue: May-04 Designer: P Ball Power: Catapult glider

Plan: £4.35

Cut Parts: N/A

PLANMF134

Free Flight Contest Models



Swampy

Free plan with purchase of Model Flyer Magazine Issue: Jun-02 Designer: N Elphick Power: 1/2A IC

Plan: £4.35

Cut Parts: N/A

PLANMF89

Free Flight Contest Models



Slippery Sam

Free plan with purchase of Model Flyer Magazine Issue: Nov-05 Designer: A Hewitt Power: HLG

Plan: £4.35

Cut Parts: N/A

PLANMF165

Free Flight Sport



Boeing Nearman

Free flight fun sport model loosely based on the Boeing Stearman biplane, this 40" (1016mm) span model is tailored to 1cc diesel motors. First Appeared in: Aviation Modeller International - March 1998.

Plan: £11.50

Cut Parts: N/A

PLAN10

Free Flight Sport



Can Do

Free flight scale replica for KP01 power. Wing span 24.5" (622mm). First Appeared in: Aviation Modeller International - March 1997.

Plan: £11.25

Cut Parts: N/A

PLAN30

Free Flight Sport



Cumless

Half-size free flight replica of the original Ben Shereshaw vintage era Cumulus. 48" (1219mm) span model needs a motor in the 0.5-1cc range. First Appeared in: AMI - February 1997.

Plan: £10.00

Cut Parts: N/A

PLAN36

Free Flight Sport



Glorious Gladys

A free flight sports biplane, loosely styled on the famous Gloster Gladiator biplane fighter. Spans 32.5" (826mm), for 0.75cc (.049) motors. First Appeared in: Aviation Modeller International - February 1996.

Plan: £10.00
Cut Parts: £135.00

PLAN76

Free Flight Sport



Lago

A reduced size replica of the original 1943 era Jaques Bluzot free flight design. Stylish 36" (914mm) span model suits KP01 electric power or Cox TD 010. First Appeared in: Aviation Modeller International - February 1997.

Plan: £10.00
Cut Parts: N/A

PLAN93

Free Flight Sport



Leprechaun 2

A true vintage 1949 design eligible for SAM events, this 67" (1702mm) wingspan design is the middle size of three versions created by Dick Twomey. For free flight fun. First Appeared in: AMI- June 1999.

Plan: £12.50
Cut Parts: N/A

PLAN105

Free Flight Sport



Little Owl

Something really out of the ordinary in free flight sport, this 26" (655mm) span canard model uses Union electric ducted fan power. First Appeared in: Aviation Modeller International - January 1997.

Plan: £10.00
Cut Parts: N/A

PLAN102

Free Flight Sport



Mercury 3

96" (2438mm) of sheer elegance for free flight or R/C assist and engines of .60-.90 cu.in. Rudder and elevator control surfaces shown. A real beauty! First Appeared in: Aviation Modeller International - October 1996.

Plan: £20.00
Cut Parts: N/A

PLAN116

Free Flight Sport



Oddie 94

A 39.5" (1003mm) span sports free flight model in the style of dawn-of-aviation craft, for engines like the Mills .75 diesel. Simple open frame construction. First Appeared in: Aviation Modeller International - January 1997.

Plan: £12.50
Cut Parts: N/A

PLAN137

Free Flight Sport



Petrel

Semi-scale free flight flying boat for .020 size motors. 26" (660mm) span model features super simple Jedelsky all-sheet wing construction. First Appeared in: Aviation Modeller International - March 1997.

Plan: £11.25
Cut Parts: N/A

PLAN148

Free Flight Sport



Salaam

A 50" (1270mm) span scale-like free flight biplane with all the air of a pre-WW2 RAF patrol flying boat. Designed for two .75cc (.049 cu.in.) engines or similar. First Appeared in: Aviation Modeller International - February 1997.

Plan: £12.50
Cut Parts: N/A

PLAN165

Free Flight Sport



String Bagette

A semi-scale free flyer based on the famous Fairey Swordfish, which this practical model closely resembles. 34" (864mm) span models suits 0.75cc (.049) motors. First Appeared in: Aviation Modeller International - September 1997.

Plan: £13.50
Cut Parts: N/A

PLAN163

Free Flight Sport



Tinsydes

Shaped in the style of a WW1 fighting scout biplane, this 36" (914mm) span free flighter suits a 1-1.5cc diesel or .06-.10 glow motor. First Appeared in: Aviation Modeller International - August 1998.

Plan: £10.00
Cut Parts: N/A

PLAN198

Free Flight Sport



Tipó

A 36" (914mm) span all-sheet free flight sportster, featuring Jedelsky wing structure. Suits 0.5-0.8cc diesel or glow motors. First Appeared in: Aviation Modeller International - May 1996.

Plan: £10.00
Cut Parts: N/A

PLAN194

Free Flight Sport



Twelf

A 38.5" (978mm) span vintage style biplane for free flight, using engines in the 0.5-1cc range. Attractive lines and stable performance. First Appeared in: Aviation Modeller International - November 1998.

Plan: £10.00
Cut Parts: N/A

PLAN202

Free Flight Sport



Vannus & Vannus Minor

A tailless free flight sports model for .049 i.c. motors or equivalent electric power spanning 42" (1067mm). Smaller version spans 28" (711mm) and uses Cox .020 or KP01 electric power. First Appeared in: Aviation Modeller International - December 1995.

Plan: £12.50
Cut Parts: N/A

PLAN208

Free Flight Sport



Tweedledum/Dee

40" wing span free flight biplane 1-1.5cc engines. Originally appeared in Model Flyer Magazine Issue: Aug-00 Designer: Boddo Power: 0.9 - .15

Plan: £9.95
Cut Parts: N/A

PLANMF24

Free Flight Sport



Carovan

42" FF flying wing for .020cu.in. glow motors. Originally appeared in Model Flyer Magazine Issue: Feb-03 Designer: E Marsden Power: .020 wing

Plan: £5.00
Cut Parts: N/A

PLANMF104

Free Flight Sport



Thermalider II

29" span free flight rubber power. Originally appeared in Model Flyer Magazine Issue: Jun-06 Designer: J Wingate Power: Rubber vintage

Plan: £4.95
Cut Parts: N/A

PLANMF179

Free Flight Sport



Cucumber 2

FF twin canard biplane for 0.5cc. Originally appeared in Model Flyer Magazine Issue: May-03 Designer: D McHard Power: .5cc (2)

Plan: £6.95
Cut Parts: N/A

PLANMF110

Free Flight Sport



Sweet Bee

Free plan with purchase of Model Flyer Magazine Issue: Aug-00 Designer: M Bees Power: rubber

Plan: £4.35
Cut Parts: N/A

PLANMF27

Free Flight Sport



Puffin

Free plan with purchase of Model Flyer Magazine
Issue: Aug-00 Designer: C Reid Power: 0.5cc

Plan: £4.35

Cut Parts: N/A

PLANMF26

Free Flight Sport



Commodore

Free plan with purchase of Model Flyer Magazine
Issue: Sep-00 Designer: E Marsden Power: 0.02

Plan: £4.35

Cut Parts: N/A

PLANMF30

Free Flight Sport



Classic Trim Trainer

Free plan with purchase of Model Flyer Magazine
Issue: Jun-01 Designer: Boddo Power: 0.75cc
Reduced

Plan: £4.35

Cut Parts: N/A

PLANMF56

Free Flight Sport



Jasmyn

Free plan with purchase of Model Flyer Magazine
Issue: Oct-00 Designer: D Banks Power: 0.5cc

Plan: £4.35

Cut Parts: N/A

PLANMF33

Free Flight Sport



Fandango

Free plan with purchase of Model Flyer Magazine Issue: Sep-01 Designer: G Dunmore Power: KP EDF unit

Plan: £4.35

Cut Parts: N/A

PLANMF63

Free Flight Sport



Perky

Free plan with purchase of Model Flyer Magazine
Issue: Nov-03 Designer: T Draper Power: 0.01

Plan: £4.35

Cut Parts: N/A

PLANMF122

Free Flight Sport



Courtesan

Free plan with purchase of Model Flyer Magazine
Issue: Jun-03 Designer: V Smeed Power: C02

Plan: £4.35

Cut Parts: N/A

PLANMF113

Free Flight Sport



Jack O

Free plan with purchase of Model Flyer Magazine
Issue: Dec-02 Designer: J Reid Power: 130 EP

Plan: £4.35

Cut Parts: N/A

PLANMF100

How to...

Building from plans
By Mick Broughton

BUILDING FROM PLANS

STAGE 1



Unlike kits or ARTF models, plans rarely carry any instructions or assembly order. The first step then, is to study the plan and get a clear idea of the order and method of build. It's also the time to plan any modifications, for example electric conversion, and to compile a shopping list.

STAGE 2



Amongst the information conveyed by the plan is the direction of wood grain. Here a diagonal grain is indicated for this vertical stabiliser. Whilst on the subject of wood, take care with wood selection to ensure maximum strength is put into the appropriate places without adding unnecessary weight. Generally speaking the darker and more pronounced the grain the harder and stiffer the wood; best used where maximum strength is required. Lighter coloured grain is softer; ideal for sheeting, block work or ribs.

STAGE 3



Many plans will carry indicators to aid interpretation. Here arrows are used to mark the outlines of doublers which reinforce the fuselage sides. Other signs to look out for are the centre of gravity (a circle with black quarters, or large arrow marked 'CG') and dotted lines indicating parts concealed behind others.

STAGE 4



Construction begins by producing a kit of parts, and to do this we need to transfer the shapes from plan to wood. There are many methods for doing this; some make photocopies and, using a hot iron, transfer the dye to the wood. An alternative is to cut out the copies and 'tack glue' them onto the wood. Others simply prick the shapes through with a pin, or trace through the plan onto the wood, leaving an indentation. Here I use good old fashioned tracing paper.

STAGE 5



It isn't always necessary to mark out whole parts. This tailplane is largely straight lines, which will be cut with a rule, so it is only necessary to mark out the corners, and the centre line for future reference. Needless to say any curves which need to be cut freehand need to be drawn out in full.

STAGE 6



Plan on using three or four scalpel blades for a typical 'sport' size model; changing the blade as soon as it starts to drag. When cutting, try to keep the blade at 90 degrees to the wood, especially important with thicker pieces, and make several modest strokes. If having difficulty freehand cutting around curves, then cut them slightly oversize and sand down to the final shape.

STAGE 7



Note the markings on the plan for these formers. The wavy line on F1 denotes that this is to be made of plywood, and the straight lines on F3 denote the grain direction for the balsa. For simple geometric shapes like these it is better to simply measure them and draw them into the wood using a rule and square rather than tracing.

STAGE 8



Any parts which are required to be the same, such as wing ribs or sheet fuselage sides, should be sandwiched together and lightly sanded to ensure that all the pieces are exactly the same size and shape. The more accurate we can make our parts the easier assembly will be, and the better the fit of parts, the stronger our airframe will be. It is better to have parts which are a tight fit, and relieve them with emery board, that to have gaps which will weaken our structure considerably.

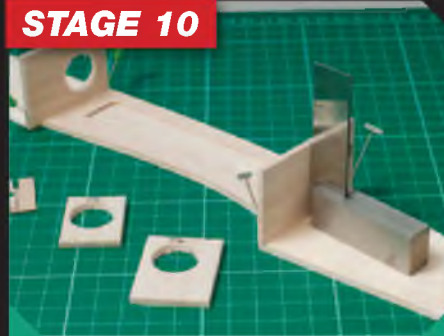
“Building is Fun - Winter Aeromodelling Starts here!”

STAGE 9



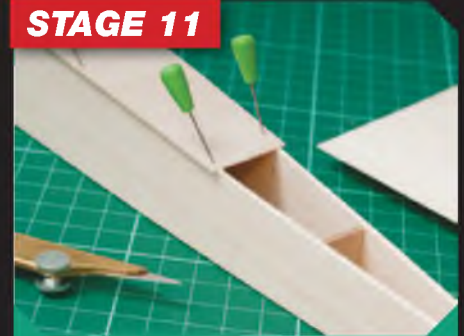
On this build I started with the fuselage, and this starts by attaching the doublers to the fuselage sides. Use a slow setting glue for this such as epoxy, aliphatic or PVA, as these give more time to accurately position parts. After positioning the pieces, use heavy weights or clamps to ensure good adhesion. Be sure to prepare one left and one right hand panel !!

STAGE 10



Fuselage assembly is sometimes done over the plan or, as is the case here, by attaching the two main formers in the parallel area of the fuselage. Care needs to be taken that these are square to the fuselage side and in the correct position as denoted by the plan. When these are dry the second side is placed on top, using squares all around to ensure that it is exactly atop the first.

STAGE 11



Top and bottom sheeting completes the fuselage box. Note how the grain runs across the width; although it takes longer to sheet this way the grain at ninety degrees to the fuselage sides adds greatly to the strength. Note also how the parts have been only roughly cut to size; they will be sanded down later.

STAGE 12



The wings are built over the plan, after first covering with cling film. Semi symmetrical sections can be built flat, but symmetrical sections such as this one require a support piece to be placed at the rear. It is important that whatever you use as your building board is completely flat, and able to accept pins. I usually use a piece of plasterboard fixed onto a kitchen worktop. After every couple of projects or so the board is removed and replaced.

STAGE 13



Most wings employ sheeting forward of the main spar to form a 'D' box. It is important that plenty of pins are used to ensure that the wood adheres well to the curve of the rib profile. For sharper bends it may be necessary to soak the wood in water to easier obtain a curve. As with the fuselage sheeting, note how the wood has been cut oversize, to be sanded to an accurate profile later.

STAGE 14



Many parts are made to measure; here I am marking the length of a cap strip by lightly scoring the wood with a scalpel, and then removing to my cutting board to cut to size. Don't attempt to cut the piece in situ, and if in any doubt about your ability to cut accurately to size then cut oversize and sand the part down; an emery board is ideal for this.

STAGE 15



Thorough and accurate sanding is a vital part of any build. Always use some form of sanding block; I use Perma-Grit tools for the rougher grades, and glue sandpaper to MDF blocks for the smoother stages. Start off rough and then work down to smoother grades (Remember to do this in a well-ventilated area and wear a mask). Run your finger along any joints to ensure that they are smooth.

STAGE 16



Although there is still a lot of work to do to this airframe; covering, hinging control surfaces, fitting radio and linkages, each of these is an article in itself, but hopefully if you have reached this stage the sense of satisfaction will provide enough motivation to develop the necessary skills to reach completion, and remember that building is like most other disciplines, and improves with practice!

Free Flight Sport



Miss Barnstormer

Free plan with purchase of Model Flyer Magazine
Issue: Oct-01 Designer: Boddo Power: 0.75cc
Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF64

Free Flight Sport



Matchstick Man

Free plan with purchase of Model Flyer Magazine
Issue: Jan-08 Designer: J Wingate Power: rubber

Plan: £4.35
Cut Parts: N/A

PLANMF205

Free Flight Sport



Pylonite

Free plan with purchase of Model Flyer Magazine
Issue: Jul-07 Designer: A Reid Type: vintage style

Plan: £4.35
Cut Parts: N/A

PLANMF198

Free Flight Sport



Wyvern Junior

Free plan with purchase of Model Flyer Magazine
Issue: Jun-07 Designer: G Dunmore Power: KP02

Plan: £4.35
Cut Parts: N/A

PLANMF196

Free Flight Sport



Mooncopter

Free plan with purchase of Model Flyer Magazine
Issue: Dec-08 Designer: G Evans Power: rubber heli

Plan: £4.35
Cut Parts: N/A

PLANMF220

Free Flight Sport



Twinkle

Free plan with purchase of Model Flyer Magazine
Issue: Nov-08 Designer: Boddo Power: 0.75cc

Plan: £4.35
Cut Parts: N/A

PLANMF219

Free Flight Sport



Envoy

Free plan with purchase of Model Flyer Magazine
Issue: Feb-12 Designer: I Peacock - C Shaw update

Plan: £4.35
Cut Parts: N/A

PLANMF226

Free Flight Sport



Rotamatic 2

Free plan with purchase of Model Flyer Magazine
Issue: Oct-11 Designer: G Evans Power: unorthodox

Plan: £4.35
Cut Parts: N/A

PLANMF260

Free Flight Sport



Rotamatic

Free plan with purchase of Model Flyer Magazine
Issue: Oct-09 Designer: G Evans Power: unorthodox

Plan: £4.35
Cut Parts: N/A

PLANMF234

RC Gliders and Sailplanes



Algebra Ee Ve 205

An 80.75" high performance electric powered R/C soarer, which uses 4-function controls on elevons, throttle and wing spoilers. Conventional construction. Suits motors such as Graupner Speed Gear 500/600 or Astro 05. First Appeared in: AMI - March 1999.

Plan: £14.00
Cut Parts: N/A

PLAN13

RC Gliders and Sailplanes



Attacker PSS

A PSS glider replica of the early Royal Navy jet fighter for slope soaring. 1/10th scale replica spans 42.75" (1086mm). Two-sheet plan. First Appeared in: Aviation Modeller International - April 2001.

Plan: £13.50
Cut Parts: N/A

PLAN5

RC Gliders and Sailplanes



Cadet

A 63" (1600mm) span multi-purpose sailplane for towline launch, slope soaring or power pod operation. Simple box fuselage and uncomplicated rib-and-sheet wing. Power pod requires .049 motor. 2-function R/C. First Appeared in: AMI - May 1996.

Plan: £10.00
Cut Parts: N/A

PLAN29

RC Gliders and Sailplanes



Chorus

A 2-metre class R/C soarer with 78.75" wingspan. Model features simple box fuselage construction and Eppler E176 flat bottom wing airfoil for easy construction. 2-function R/C required. First Appeared in: AMI - January 2000

Plan: £11.50
Cut Parts: N/A

PLAN31

RC Gliders and Sailplanes



HLG-2

High performance R/C hand launching sailplane, featuring pod and boom fuselage, slightly swept wing and butterfly type tailplane. 59" (1500mm) span model uses 2-function radio. First Appeared in: Aviation Modeller International - October 1997

Plan: £11.25
Cut Parts: N/A

PLAN82

RC Gliders and Sailplanes



Mini Drake

A 63" (1600mm) span power-assisted sailplane for free flight or 2-function R/C using a 0.75 -1.5cc motor or electric equivalent. First Appeared in: Aviation Modeller International - August 1997

Plan: £10.00
Cut Parts: N/A

PLAN126

RC Gliders and Sailplanes



Minikin

A compact, 48.5" (1232mm) slope soarer for 2-function R/C operation on ailerons and elevator. First Appeared in: Aviation Modeller International - May 1997

Plan: £11.25
Cut Parts: N/A

PLAN127

RC Gliders and Sailplanes



Patrician

Here's a fine sailplane for slope soaring, flat field or cross country work. This 112" (2845mm) wingspan model features flaps and requires a minimum of 4-function radio control. First Appeared in: Aviation Modeller International - February 1998

Plan: £12.50
Cut Parts: N/A

PLAN147

RC Gliders and Sailplanes



Piglet

Handy sized 36" (914mm) span slope soarer with a fast and furious performance using 2-function R/C driving aileron and elevator controls. First Appeared in: Aviation Modeller International - August 1999

Plan: £11.25
Cut Parts: N/A

PLAN143

RC Gliders and Sailplanes



Red Kite

A bird-like glider for slope or flat field flying. Plan includes drop-off stabiliser unit for flat field winch launching. 64" (1524mm) wingspan. Can be flown with ailerons, or simply using v-tail rudder/elevator controls. First Appeared in: AMI - Aug 1997

Plan: £14.00
Cut Parts: N/A

PLAN159

RC Gliders and Sailplanes



Scimitar

A 57" (1448mm) wingspan aerobatic slope soarer with a fine performance using rudder, elevator and aileron controls. Plan offers both foam core and conventional balsa structure wing options. First Appeared in: AMI - March 2001

Plan: £11.25
Cut Parts: N/A

PLAN164

RC Gliders and Sailplanes



Timberleena

A 60" (1524mm), high performance slope soarer, featuring tough balsa and plywood construction. Can easily handle strong wind conditions but is also quite a 'floater' in light winds. Highly aerobatic. First Appeared in: AMI - Nov 1998

Plan: £11.25
Cut Parts: N/A

PLAN200

RC Scale Electric



Messerschmitt Me 109E

Graham Smith's 43" span sport-scale Messerschmitt Me 109E for .25-size engines. Published in FSM June 2008 issue 103

Plan: £19.95
Cut Parts: N/A

PLAN371

RC Scale Electric



Max Holst 152

John Ralph updates and enlarges George Wooll's 1954 Aeromodeller plan for min RC scale soaring. 36.5". Published in FSM March 2004 issue 52

Plan: £9.95
Cut Parts: N/A

PLAN405

RC Scale Electric



Cessna 170B

Adrian Britton's 43" span classic for 3 or 4 function R/C and electric power. Published in FSM October 2008 issue 107

Plan: £19.95
Cut Parts: N/A

PLAN368

RC Scale Electric



Indoor Velie Monocoupe

An Indoor scale project that can be quickly built. David Deadman's 1/22nd scale, 17.5" span little gem for Co2, rubber, or micro-electric power... and the latest micro R/C systems. Published in FSM January 2011 issue 134

Plan: £9.95
Cut Parts: £32.00

PLAN340

RC Scale Electric



Polikarpov Po2

David Deadman's 18.5" little Soviet 'blood wagon' for Co2 power. Published in FSM January 2004 issue 50

Plan: £9.95
Cut Parts: N/A

PLAN407

RC Scale Electric



Hawker Hunter Mk FGA9

Chris Gold's 24" ducted fan model for 300 size motors with foam/balsa construction. Published in FSM Nov/Dec 2001 issue 26 2 sheet plan

Plan: £14.95
Cut Parts: N/A

PLAN431

RC Scale Electric



Sopwith Tabloid

Delightful little 80 gram (3 oz.) World War I scout for micro R/C and electric-power, designed by Mike Roach with a 24" wings. Published in FSM January 2005 issue 62

Plan: £9.95
Cut Parts: N/A

PLAN396

RC Scale Electric



Brewster's Buffalo Mk1

1/18th scale rubber driven free flight model designed by Richard Crossley. Published in FSM May and June 2012 issues 150 and 151

Plan: £9.95
Cut Parts: £35.00

PLAN402

RC Scale Electric



Sopwith Bee

27" wingspan model of this WW1 aircraft designed by Mike Roach for 400 size electric motors. Published in FSM October 2003 issue 47

Plan: £9.95
Cut Parts: N/A

PLAN412

RC Scale Electric



Curtis Hawk P-6E

Chris Gold's 28" wingspan model for brushless 400 electric motors. Published in FSM June 2003 issue 43 2 sheet plan

Plan: £14.95
Cut Parts: N/A

PLAN416

RC Scale Electric



Bristol Scout Type C

Indoor R/C scale 29" Depron foam scale model from the building board of Mike Roach. Published in FSM September 2004 issue 58

Plan: £9.95
Cut Parts: N/A

PLAN399

RC Scale Electric



Hawker Demon

Chris Gold's 32" wingspan model scale replica for 400 size electric motors and 4 channel RC. Published in FSM April 2003 issue 41 2 sheet plan

Plan: £14.95
Cut Parts: N/A

PLAN418

RC Scale Electric



Sopwith Gordon Bennett Racer

Mike Roach's 35.35" electric powered model for geared 300 motors and 4 channel RC. Published in FSM April 2002 issue 29 2 sheet plan

Plan: £14.95
Cut Parts: N/A

PLAN428

RC Scale Electric



Percival Mew Gull

Adrian Britton's 1/8 scale model for electric power and mini RC systems. Published in FSM November 2007 issue 96

Plan: £19.95
Cut Parts: N/A

PLAN377

RC Scale Electric



Hawker Fury Mk.1

Electric powered 36" wingspan model designed by Chris Golds. Published in FSM August 2003 issue 45 2 sheet plan

Plan: £14.95
Cut Parts: N/A

PLAN414

RC Scale Electric



De Havilland Venom F.B. Mk 4

Chris Gold's electric powered replica from 1957 wingspan 36" and 3 channel RC. Published in FSM October 2002 issue 35 2 sheet plan

Plan: £14.95
Cut Parts: N/A

PLAN422

RC Scale Electric



Luscombe Silvaire

Adrian Britton's 42", wing span 1/10th size sport-scale model of a very swish-looking American light aircraft for R/C electric power. Published in FSM January 2008 issue 98

Plan: £19.95
Cut Parts: N/A

PLAN376

RC Scale Electric



Bernard 74

Dr. Mike Hawkins FRAeS 45" little-known 1930s French aircraft industry Bernard for 45-60 four-stroke engines. Published in FSM February and March 2008 issues 99 and 100

Plan: £24.95
Cut Parts: N/A

PLAN374

RC Scale Electric



Piper Super Cruiser

Adrian Britton's 45" (1143mm) span R/C model of the classic Piper three-seater for electric power. Published in FSM May 2009 issue 114

Plan: £19.95
Cut Parts: N/A

PLAN365

RC Scale Electric



Nicholas Beazley NB-8G

A 45" span 1/10th scale 1930's sport parasol for speed 400 electric power. Published in FSM June 2004 issue 55 2 sheet plan

Plan: £14.95
Cut Parts: £45.00

PLAN403

RC Scale Electric



Canadair CL-215 'Scoop'

Mike Roach presents his 49.2" span, twin-electric, Depron rendition of the Canadian CL-215 fire-bomber. Published in FSM May 2010 issue 126

Plan: £19.95
Cut Parts: N/A

PLAN355

RC Scale Electric



Auster J-5 Adventurer

A 57" wingspan replica for four channel RC designed by Warren Owen. Published in FSM May 2004 issue 54 2 sheet plan

Plan: £14.95
Cut Parts: £60.00

PLAN404

RC Scale Electric



Cessna C-37 Airmaster

Peter Miller's 57" (1448 mm) wingspan model of an American pre-WW2 classic, for .30 cu.in. engines. Published in FSM February and March 2009 issues 111 and 112

Plan: £24.95
Cut Parts: N/A

PLAN366

RC Scale Electric



Albatros D.XI

A 1/6th scale 52" electric powered model by Peter Rake. 4 sheet plan

Plan: £24.95
Cut Parts: £65.00

PLAN447

RC Scale Electric



Pietenpol Air Camper

A simple to build electric powered scale model by Peter Rake with a 58" wingspan. 4 sheet plan

Plan: £24.95
Cut Parts: £75.00

PLAN383

RC Scale Electric



Airco DH2

Sport-scale model of the early British WW1 fighting scout aircraft. 1/9th scale model spans 37.5" (953mm) and is electric powered using 400 size motor and 3-function controls on rudder, elevator and speed control. One-piece airframe. First Appeared in: FSM - Feb 2001

Plan: £11.75
Cut Parts: N/A

PLAN3

RC Scale Electric



ASK-14

A big 140.5" (3569mm) replica of Schleicher's all-wing motor glider, created specifically for electric power using motors in a range of which the LRK 350 motor. First Appeared in: FSM- Jan 2006

Plan: £19.50
Cut Parts: N/A

PLAN283

RC Scale Electric



Avro Vulcan

Profile-scale, four motor ducted fan R/C electric model. 52.5" (1334mm) span model offers tremendous performance with four Speed 400 motors and Wemotec 480 fans. 4-function R/C. First Appeared in: AMI - April 1998

Plan: £16.50
Cut Parts: N/A

PLAN14

RC Scale Electric



B.A.M Swallow II

Superbly accurate 1/4 scale 128" contest-quality model of the British 1930s light/sporting aircraft.

Plan: £29.50
Cut Parts: £130.00

PLAN323

RC Scale Electric



B.A.M Swallow II

Superbly accurate 1/5th scale revision of Jeremy Collins version

Plan: £29.50
Cut Parts: £110.00

PLAN324

RC Scale Electric



Baby Stahlwerk

Peter Rake's model for 3 channel RC and 150 type electric motors with 29.5" wingspan

Plan: £9.95
Cut Parts: N/A

PLAN451

RC Scale Electric



BAE Nimrod

Modelled by renowned electric scale expert Chris Golds. 86" (2185mm) span model flies on four Speed 400 electric motors, driving pusher props. Full step-by-step written building instructions. First Appeared in: FSM - Sep 2004

Plan: £19.50
Cut Parts: £140.00

PLAN258

RC Scale Electric



Bell P-39Q Airacobra

The early WW2 American fighter aircraft, one of the first to feature a tricycle undercarriage. 65" wingspan designed by Dick Edmonds for electric power

Plan: £19.50
Cut Parts: £115.00

PLAN318

RC Scale Electric



CUT PARTS

Boeing PT-13 Stearman

A 58" (1473mm) wingspan replica of the famous biplane radial engine trainer aircraft of the WW2 era. Designed for 700 size electric motors, but with the option of i.c. engine power using a .52-.60 four-stroke engine, with modifications shown on a separate plan sheet. I real builder's model. Three-sheet plan. First Appeared in: Flying Scale Models - January 2004

Plan: £19.50 Cut Parts: £99.00

PLAN243

RC Scale Electric



Caudron 1912 Monoplane

66" (1676mm) span scale model of an attractive French light biplane, for .60-80 motors and 4-function R/C. First Appeared in: Aviation Modeller International - November 1997

Plan: £12.50
Cut Parts: N/A

PLAN33

RC Scale Electric



Comper Swift

An enlarged version of Chris Golds' 1/6th scale R/C electric scale model for i.c. power, using a .60-.90 cu.in. four-stroke engine or equivalent two-stroke engine. Wing span 72" (2835mm). First Appeared in: FSM - April 2004

Plan: £17.50
Cut Parts: N/A

PLAN246

RC Scale Electric



CUT PARTS

Comper Swift

The delightful 1930s British light-sport and racing aircraft. 1/6th scale by electric R/C expert Chris Golds. Just 48" (1219mm) and model is designed for 400 brushless or 480 brushed type motors running from 10 x 1850 NiMH cells. First Appeared in: FSM - April 2004

Plan: £14.50
Cut Parts: £65.00

PLAN244

RC Scale Electric



De Havilland Vampire

Electric powered ducted fan replica for 930-6 size motors and fans (such as Wemotec, RK720, Turbo 1000, etc.). Wing span of 59" (1500mm) for 4- or 5-function R/C. Two sheet plan. First Appeared in: Flying Scale Models - April 1998

Plan: £17.50
Cut Parts: £90.00

PLAN41

RC Scale Electric



Vickers Supermarine Walrus

Impressive electric scale model for indoors or outdoors operation designed by Trevor Hewson for Depron with a 30" wingspan. Published in FSM March 2005 issue 64 2 sheet plan

Plan: £14.95
Cut Parts: N/A

PLAN394

RC Scale Electric



CUT PARTS

DH106 Comet 4c

Capture the elegant grace of the world's first jet airliner with this 86" (2185mm) span, all electric replica. Suits 4x Speed 400 pusher motors and 6-channel R/C. Two-sheet plan and instruction guide. First Appeared in: FSM, - January 2003

Plan: £19.50
Cut Parts: £135.00

PLAN39

RC Scale Electric



Eastbourne 1912 Monoplane

Simple, sport scale replica for 400 size electric power and 3-function R/C gear. Simple box fuselage construction - wings just as easy. Wing span 51.75" (1300mm). First Appeared in: Aviation Modeller International - June 1998

Plan: £12.50
Cut Parts: N/A

PLAN62

RC Scale Electric



Electrolite

Dave Ridgway's indoor electric RC design with KP01 power. 2 sheet plan Published in AMI May 1997

Plan: £14.95
Cut Parts: N/A

PLAN459

RC Scale Electric



English Electric Canberra B(1)8

From the building board of electric ducted fan scale expert, Chris Golds

Plan: £29.50
Cut Parts: £175.00

PLAN262

RC Scale Electric



Fokker D8

A 39.5" (1000mm) span electric powered sport-scale model for geared 400 size motors and 3-function R/C on rudder, elevator and speed controls. First Appeared in: Flying Scale Models - April 2000

Plan: £11.75
Cut Parts: N/A

PLAN70

RC Scale Electric



Gloster Meteor Mk.4

Twin ducted fan electric powered model of the RAF's first jet fighter aircraft. Uses Speed 400 or 480 size motors and 4-function R/C. Wing span of 42.5" (1080mm). First Appeared in: Flying Scale Models - May 1998

Plan: £14.50
Cut Parts: N/A

PLAN79

RC Scale Electric



Handley Page HP75 Manx

A 49.5" (1275mm) span scale replica of the WW2 experimental tailless aircraft. Requires twin electric motor power and 3-function R/C. First Appeared in: Aviation Modeller International - October 1996

Plan: £12.50
Cut Parts: N/A

PLAN222

RC Scale Electric



Kirby T-31M Motor Tutor

An elegant 72" (1830mm) span motor-glider for Speed 600 electric motors and 4-channel R/C. First Appeared in: Flying Scale Models - February 2003

Plan: £13.50
Cut Parts: £95.00

PLAN219

RC Scale Electric



Morane Saulnier Type L

72" (1828 mm) wing span Sport-Scale model of the early WW1 French two-seater aircraft, designed for 600 size motor power. Three function radio required. First Appeared in: Flying Scale Models - July 2004

Plan: £13.00
Cut Parts: £50.00

PLAN259

RC Scale Electric



Morane Saulnier Type N

A 42" (1067mm) wingspan sport scale model of an early WW1 fighting scout, designed for geared 400 size electric motors and 3-function R/C gear on rudder, elevator and speed controls. First Appeared in: Flying Scale Models - September 1999

Plan: £11.75
Cut Parts: N/A

PLAN114

RC Scale Electric



Nieuport 11 (Electric)

A 33" (838mm) wingspan sport-scale model of the French WW1 fighting scout, designed for geared 400 size electric motor power and 3-function radio operating rudder, elevator and speed controls. First Appeared in: Flying Scale Models - May 1999

Plan: £11.75
Cut Parts: N/A

PLAN130

RC Scale Electric



Pfalz E.1 Eindecker

This 67" (1702mm) wing span model is designed for 600 size motors - the prototype used a Robbe Planeta geared 3.75:1, driven from an 8.4v. power pack. First Appeared in: FSM - May 2003

Plan: £12.50
Cut Parts: N/A

PLAN229

RC Scale Electric



Pfalz E1

Scale model of the early WW1 German scout monoplane for electric power using the popular 400 size motor and 3-function R/C on rudder, elevator and throttle. Wing span 45" (1143mm). First Appeared in: Aviation Modeller International - November 1998

Plan: £11.25
Cut Parts: N/A

PLAN144

RC Scale Electric



Rearwin Speedster

46" (1168mm) span sport scale replica of the highly attractive American 1930s light aircraft. Designed for geared 400 size electric power and 3-function R/C gear - rudder, elevator and throttle controls. First Appeared in: AMI - April 1999

Plan: £11.50
Cut Parts: N/A

PLAN155

RC Scale Electric



Scheibe SF-33

A sport-scale replica to 1/6, 98" (2489mm) wing span, requires four function radio systems operating rudder, elevator, ailerons the motor speed control, plus optional air brakes on 5th channel. First Appeared in: AMI - March 2006

Plan: £14.50
Cut Parts: N/A

PLAN279

RC Scale Electric



Sopwith Pup (Electric)

Geared 400 size motor powered sport scale model of the ever popular British WW1 Scout aircraft. 3-function R/C and 36" (914mm) wing span. First Appeared in: Flying Scale Models - November 1999

Plan: £11.75
Cut Parts: N/A

PLAN173

RC Scale Electric



SPAD XIII

This 54" (1372mm) wingspan model is to 1/6th scale and is designed for 600 size electric motors. The four-sheet plan features rib-for-rib representation of the full size's wing and uses rudder, elevator, ailerons and throttle controls. First Appeared in: FSM - Dec 2005

Plan: £19.50
Cut Parts: £65.00

PLAN280

RC Scale Electric



Supermarine Attacker

Electric ducted fan model of the Royal Navy's first squadron service jet fighter. 480 size motor powered model spans 37.4" (950mm). Aileron and elevator primary controls. First Appeared in: Flying Scale Models - November 1998

Plan: £12.50
Cut Parts: N/A

PLAN162

RC Scale Electric



Velie Monocoupe

A super simple sport scale model of the later-1920s American lightplane with a wingspan of 46.5"

Plan: £13.50
Cut Parts: £85.00

PLAN312

RC Scale Electric



Maybee

John Kay's five-in-one simple plan for electric power to 0.8cc engines. Published in AMI May 1997

Plan: £9.95
Cut Parts: N/A

PLAN460

RC Scale Electric



Bristol Type 188

700mm span Depron profile scale EP model
Originally appeared in Model Flyer Magazine Issue:
Feb-13 Designer: Terry Flower Power: EP semi scale

Plan: £19.95
Cut Parts: N/A

PLANMF280

RC Scale Electric



Vigen

28" span Depron profile EP slot wing jet Originally
appeared in Model Flyer Magazine Issue: Nov-12
Designer: Peter Iliffe Power: EP.

Plan: £10.95
8 sheet paint guide plans £11.95 available on
request. Tel: 01525 222573

PLANMF277

RC Scale Electric



Horten/Gotha 229

Depron EDF twin Flying Wing Originally appeared in
Model Flyer Magazine Issue: Sept-12 Designer: JJ
Rutter Power: EP

Plan: £7.95
Cut Parts: N/A

PLANMF275

RC Scale Electric



Buccaneer

Classic jet for pusher 480 electric power Originally
appeared in Model Flyer Magazine Issue: Jan-05
Designer: M Halton Power: 480 brushless

Plan: £9.95
Cut Parts: N/A

PLANMF147

RC Scale Electric



Eurofighter

23" span EDF for 3 channel RC and mini ducted
electric fan Originally appeared in Model Flyer
Magazine Issue: Aug-06 Designer: P Lewis

Plan: £9.95
Cut Parts: N/A

PLANMF182

RC Scale Electric



F4D Skyray

Original Skylead model, used for John Ralph's
EDF conversion Originally appeared in Model Flyer
Magazine Issue: Mar-01 Designer: J Ralph

Plan: £5.00
Cut Parts: N/A

PLANMF43

RC Scale Electric



Messerschmitt P-111

Depron foam profile model for small EDF and 3 chan-
nel RC Originally appeared in Model Flyer Magazine
Issue: Apr-10 Designer: J Rutter Power: 21.5

Plan: £4.95
Cut Parts: N/A

PLANMF242

RC Scale Electric



JetTitch

36" wing span EDF flying wing 500mm minifan
Originally appeared in Model Flyer Magazine Issue:
Apr-09 Designer: J Rutter Power: 480 brushless

Plan: £9.95
Cut Parts: N/A

PLANMF227

RC Scale Electric



Dornier Do335

Depron electric power twin for 3 channel RC 24"
wing span Originally appeared in Model Flyer
Magazine Issue: Mar 12 Designer: J Rutter Power:
twin 2500kv

Plan: £7.95
Cut Parts: N/A

PLANMF267

RC Scale Electric



Super Park Hornet

2 1/2D electric ducted fan F/A-1 E/F Originally appeared in Model Flyer Magazine Issue: Jan-12 Designer: J Simpson Power: twin EDF

Plan: £6.95
Cut Parts: N/A

PLANMF263

RC Scale Electric



Park Draken

39" span for 3 channel RC for 6 blade fan 400mAh 20C LiPo Originally appeared in Model Flyer Magazine Issue: Jun-10 Designer: J Simpson

Plan: £4.95
Cut Parts: N/A

PLANMF245a

RC Scale Electric



Tigershark

27" wingspan Speed 400 EP for 3-channels. Originally appeared in Model Flyer Magazine Issue: Oct-03 Designer: P Lewis Power: S400

Plan: £5.00
Cut Parts: N/A

PLANMF121

RC Scale Electric



Jodel D17

50" wingspan lightweight R/C for EP. Originally appeared in Model Flyer Magazine Issue: Jun-02 Designer: P Holland Power: 600

Plan: £9.95
Cut Parts: N/A

PLANMF88

RC Scale Electric



Sopwith Sparrow

32" wingspan RC scale foam park flier. Originally appeared in Model Flyer Magazine Issue: May-04 Designer: M Roach Power: geared 400

Plan: £6.00
Cut Parts: N/A

PLANMF135

RC Scale Electric



Yak 55

34inch Depron foam EP 3D machine. Originally appeared in Model Flyer Magazine Issue: Oct-05 Designer: J Rutter Power: 400 brushless

Plan: £4.95
Cut Parts: N/A

PLANMF164

RC Scale Electric



DH Dragon

48" span EP twin for speed 400 motors. Originally appeared in Model Flyer Magazine Issue: Sep-04 Designer: P Lewis Power: S400 (2)

Plan: £9.95
Cut Parts: N/A

PLANMF142

RC Scale Electric



Su 27 Flanker

16" span scale 1.53 Originally appeared in Model Flyer Magazine Issue: Jul-09 Designer: J J Rutter Power: outrunner 2Kkv

Plan: £5.95
Cut Parts: N/A

PLANMF231

RC Scale Electric



Bird Dog

40" span EP scale EPS 400C Originally appeared in Model Flyer Magazine Issue: Feb-09 Designer: J Watters Power: geared S400

Plan: £9.95
Cut Parts: N/A

PLANMF224

RC Scale Electric



SpaceShip One

33.5" span for electric power 3 channel RC Originally appeared in Model Flyer Magazine Issue: Jun-07 Designer: J Given Power: 480 outrunner

Plan: £7.95
Cut Parts: N/A

PLANMF197

RC Scale Electric



SM79 Trimotor

53.5" span for electric power scal trimotor Originally appeared in Model Flyer Magazine Issue: Jan-07 Designer: K Sheppard Power: 400 brushless (3)

Plan: £7.50
Cut Parts: N/A

PLANMF187

RC Scale Electric



TRS2

400 Brushless all-sheet, 3 channel, 21" span. Originally appeared in Model Flyer Magazine Issue: Apr-06 Designer: P Disney Power: 400 brushless

Plan: £4.95
Cut Parts: N/A

PLANMF176

RC Scale Electric



DH Vampire (pusher)

28" wing span EP for 3 channel RC 3 x 1500-2000mAh Lipo Originally appeared in Model Flyer Magazine Issue: Jan-10 Designer: G Iredale Power: 480 brushless

Plan: £9.95
Cut Parts: N/A

PLANMF238

RC Scale Electric



Be2c

40" wing span bipe for IC, EP RC of FF Originally appeared in Model Flyer Magazine Issue: Sep-09 Designer: J Watters Power: 480 brushless

Plan: £6.95
Cut Parts: N/A

PLANMF233

RC Scale Electric



Gee Bee profile

30" wing span for 4 channel RC Originally appeared in Model Flyer Magazine Issue: Aug-09 Designer: S Green Power: 400 brushless

Plan: £4.95
Cut Parts: N/A

PLANMF232

RC Scale Electric



Projed Fighter

36" wing span (6 types on plan) 2/3 micro servos Originally appeared in Model Flyer Magazine Issue: Aug-10 Designer: I Peacock/Boddo Power: 480 brushless

Plan: £14.95
Cut Parts: N/A

PLANMF245

RC Scale Electric



SE5a

18" wingspan EP WWI Bipe First published in Model Flyer March-13 Designer: Peter Rake Indoor electric

Plan: £9.95
Cut Parts: £29.00

PLANMF282

RC Scale Electric



Me 163 Komet

30.5" Me 163 by Ken Osborne and Peter Graeber published in Model Flyer May-13

Plan: £19.95
Cut Parts: N/A

PLANMF285

RC Scale Gliders



Bergfalke Mu-13e

Quarter-scale 165" (4191mm) wingspan replica of the classic German sailplane from the pre-glass fibre glider era. An accurate-outline design by Chris Williams, for rudder, elevator and aileron controls, plus spoilers. First Appeared in: FSM - September 2001

Plan: £17.50
Cut Parts: £125.00

PLAN25

RC Scale Gliders



DFS-230 A-1

A 98" (2490mm) replica of the German WW2 troop-carrying glider. Requires rudder, elevator and aileron controls. Two sheet plan. First Appeared in: Aviation Modeller International - December 1997

Plan: £16.50
Cut Parts: N/A

PLAN49

RC Scale Gliders



Kaiser Ka-2b

A 147" (3734mm) wingspan 1/4 scale replica of an elegant German sailplane. Model features all-wood construction without recourse to glass fibre. Cockpit canopy available from the designer. First Appeared in: Flying Scale Models - May 2000

Plan: £20.00
Cut Parts: N/A

PLAN100

RC Scale Gliders



Messerschmitt Me 163b Komet

A 44.5" (1130mm) wingspan scale slope soarer (PSS design) for 2-function radio control systems. First Appeared in: Aviation Modeller International - September 1997

Plan: £12.50
Cut Parts: N/A

PLAN123

RC Scale Gliders



PWS 101

A 1/5th scale 149.5" (3797mm) R/C replica of a Polish sailplane, featuring elegant, long gull-type wing style. Requires rudder, elevator, aileron and wing spoiler controls. Can be used for slope soaring, flat field soaring or aero-towing. First Appeared in: AMI - Apr 1999

Plan: £19.50
Cut Parts: N/A

PLAN153

RC Scale Gliders



Schleicher Ka-3

A 1/4 scale, 98.4" (2500mm) wingspan radio controlled sailplane, using aileron and dual axis V-Tail controls. First Appeared in: Aviation Modeller International - October 1997

Plan: £16.00
Cut Parts: £135.00

PLAN167

RC Scale Gliders



Vought F4U Corsair

A 48.5" (1232mm) wingspan PSS Glider model for aileron and elevator radio control. First Appeared in: Aviation Modeller International - September 1996

Plan: £12.50
Cut Parts: N/A

PLAN210

RC Scale Gliders



Woodstock

A 1/4 replica of a distinctive Australian high performance sailplane. 116" (2960mm). Moulded cockpit canopy available. First Appeared in: AMI - Mar 2004

Plan: £12.50
Cut Parts: N/A

PLAN239

RC Scale Gliders



DH88 Comet

66" wingspan, Scale R/C for Power Scale soaring. Originally appeared in Model Flyer Magazine Issue: Mar-02 Designer: A Hulme

Plan: £14.95
Cut Parts: N/A

PLANMF78

RC Scale Gliders



Slingsby Cadet

Scale glider 1/5th R/C model. Suitable for three channel radio. 102" wingspan Originally appeared in Model Flyer Magazine Issue: Apr-01 Designer: Boddo

Plan: £29.95
Cut Parts: N/A

PLANMF48

RC Scale Gliders



Do335

1.23m span scale slope soarer Originally appeared in Model Flyer Magazine Issue: May-05 Designer: P Janssens

Plan: £9.95
Cut Parts: N/A

PLANMF155

RC Scale Gliders



Egret

40" wingspan FF Canard glider. Originally appeared in Model Flyer Magazine Issue: Jun-04 Designer: D Twomey

Plan: £7.50
Cut Parts: N/A

PLANMF136

RC Scale Gliders



El Tazar

R/C flying wing for two mixed channels. 60" wingspan. Originally appeared in Model Flyer Magazine Issue: Dec-02 Designer: M White

Plan: £6.95
Cut Parts: N/A

PLANMF99

RC Scale Gliders



Mig 19

38inch wingspan RC PSS. Originally appeared in Model Flyer Magazine Issue: Sep-05 Designer: A Blackburn

Plan: £14.95
Cut Parts: N/A

PLANMF162

RC Scale IC Power



Dornier D.1

Dr Mike Hawkins 38" span 1:6 .86 sport-scale model of a little known German WW1 fighter, for .40-.60 cu.in engines and four-function RC. Published in FSM October and September 2006 issues 82 and 83 4 sheet plan

Plan: £24.95
Cut Parts: £50.00

PLAN386

RC Scale IC Power



Sopwith Dove

An easy to build 49" wingspan for .25 to .29 cu. Engines and three function RC by Norman Holme. Published in FSM January and February 2006 issues 74 and 75 3 sheet plan

Plan: £19.95
Cut Parts: £50.00

PLAN390

RC Scale IC Power



Bowers Fly Baby Biplane

A 54" (1372 mm) wingspan sport-scale RC version of the Pete Bowers home build biplane for .61-.91 cu.in engines. Published in FSM November 2012 issue 156.

Plan: £29.95
Cut Parts: £135.00

PLANMF51

RC Scale IC Power



CUT PARTS

Bristol Beaufighter

For .75 to .80 size four stroke engines, four sheet plan. Featured in Flying Scale Models August 2012 (issue 153) 86 ins wingspan

Plan: £34.95
Cut Parts: £180.00

PLANMF14

RC Scale IC Power



Aichi A6M-1 Nanzan

Dr Mike Hawkins 34.75" model of the Japanese strike aircraft of WW2 for .15 cu.in motors and 5 channel RC. Published in FSM May 2002 issue 30 2 sheet plan

Plan: £14.95
Cut Parts: N/A

PLAN427

RC Scale IC Power



Aerial Target

Original 1917 pilotless aircraft - the first attempt to produce a 'flying bomb'. Two versions: 31" (787mm) span F/F for 0.5cc diesel and 44" (1118mm) span for .15-.19 motors with or without R/C. First Appeared in: AMI - September 1996

Plan: £11.25
Cut Parts: N/A

PLAN2

RC Scale IC Power



CUT PARTS

Aeronca C-3

A quarter-scale 108" (2743MM) model of the famous 1930s American single seat light aircraft, designed by Philip S. Kent to competition standard. Suits four function R/C and 1.00 - 1.20cu.in four stroke engines. 2 sheet plan set. First Appeared in: FSM - Jan 2007

Plan: £19.50
Cut Parts: £95.00

PLAN293

RC Scale IC Power



Albatros C.III

1/5 scale replica of the German WW1 reconnaissance aircraft. from the design board of Australian Gary Sunderland. 91.85" wingspan

Plan: £28.50
Cut Parts: N/A

PLAN322

RC Scale IC Power



CUT PARTS

Albatros C.III

1/4 scale replica of the German WW1 reconnaissance aircraft. from the design board of Australian Gary Sunderland. 114.8" (2916mm) wingspan model suits 45cc engines. First Appeared in Flying Scale Models January 2010

Plan: £28.50
Cut Parts: £175.00

PLAN321

RC Scale IC Power



CUT PARTS

Albatros D.III

A 1/4 replica of the German WW1 fighter aircraft from Australian designer Gary Sunderland. 88.6" (2250mm) model suits engines 23 to 35cc. Four function R/C required for rudder, elevator, ailerons throttle commands. Three sheet plan set. First Appeared in: FSM - Feb 2007

Plan: £25.50
Cut Parts: £135.00

PLAN297

RC Scale IC Power



CUT PARTS

Albatros D.II

Designed by Australian R/C scale expert Gary Sunderland, plans for this classic German WW1 fighter available in 1/4 scale. Spans 83.7" (2125mm) and suits 25cc motors. First Appeared in: Flying Scale Models - February 2007

Plan: £22.50
Cut Parts: £135.00

PLAN7

RC Scale IC Power



CUT PARTS

Albatros D.II

Designed by Australian R/C scale expert Gary Sunderland, plans for this classic German WW1 fighter available 1/5 scale. Larger model spans 66.9" (1700mm) for .90-1.08 cu.in motors. First Appeared in: Flying Scale Models - April 2007

Plan: £22.50
Cut Parts: £135.00

PLAN9

RC Scale IC Power



Albatros J.1

This 1/8th scale model by Dr. Mike Hawkins span 69.5" (1765mm) and suits .60 cu.in four stroke engines or two-stroke equivalent. Two sheet plan. First Appeared in: FSM - Aug 2007

Plan: £19.50
Cut Parts: £135.00

PLAN302

RC Scale IC Power



Antonov AN-2

Approximately 1/14th scale replica of the Russian civil workhorse, now often seen in western skies. 50.5" (1283mm) span R/C design uses 3 or 4-function systems and .19-.25 size motors. First Appeared in: Flying Scale Models - April 1997

Plan: £12.50
Cut Parts: N/A

PLAN12

RC Scale IC Power



Avro Avian Monoplane

Designed by respected R/C scale expert Philip S. Kent, 1/4 replica of the radial engine version of the 1930s air racer spans 96" (2438mm). First Appeared in: FSM - Nov 2005

Plan: £19.50
Cut Parts: N/A

PLAN278

RC Scale IC Power



BAC TSR-2

Design by Reg Smith. 42.5" (1080mm) span, 81" (2507mm) long model suits .90-.100 two-stroke motors and 4-5 function radio gear. Prototype model used Ramtec fan unit. First Appeared in: AMI - Dec 1995

Plan: £18.50
Cut Parts: N/A

PLAN11

RC Scale IC Power



Bristol F2B Fighter

Accurate 1/4 scale, 117.75" (2991mm) span. Model construction closely follows the structure of the full size. A challenging scale project that will reward with an impressive final model. 3 sheet plan set. First Appeared in: FSM - Feb 2002

Plan: £24.50
Cut Parts: £125.00

PLAN21

RC Scale IC Power



Bristol F2B Fighter

Accurate, 1/5 scale replica of the famous WW2 British two-seat fighter. 94.2" (2393mm) span model requires 17-23cc two-stroke power. Model construction closely follows the structure of the full size. 3 sheet plan set. First Appeared in: FSM - Feb 2002

Plan: £24.50
Cut Parts: £125.00

PLAN23

RC Scale IC Power



Bristol Scout Type C

A 1/4-scale 73.75" (1873mm) replica of the early WW1 Royal Flying Corps fighter biplane from the building board of Australian R/C scale expert Gary Sunderland. First Appeared in: FSM - Apr 2006

Plan: £19.50
Cut Parts: N/A

PLAN285

RC Scale IC Power



Bristol Scout Type C

A 1/5th scale 58.8" (1494mm) wing span replica of the early WW1 Royal Flying Corps fighter biplane from the building board of Australian R/C scale expert Gary Sunderland. 1/5th scale version suits .60-.80 size engines. First Appeared in: FSM - April 2006

Plan: £19.50
Cut Parts: N/A

PLAN288

RC Scale IC Power



Bristol Scout Type D

A 49" (1245mm) span sport scale replica of the early WW1 British Scout biplane, designed for .52 size motors and 3-function R/C driving rudder, elevator and throttle. First Appeared in: Flying Scale Models - January/February 2000

Plan: £12.50
Cut Parts: N/A

PLAN20

RC Scale IC Power



CUT PARTS

Bucker Bu180 Student

A big, but manageable, scale model of the German pre-WW2 trainer, designed for .90-.120 four-stroke motors and 4-function radio systems. Four sheet plan 100" (2540mm). First Appeared in: AML - Jan 1996

Plan: £26.50
Cut Parts: £120.00

PLAN15

RC Scale IC Power



Caudron 270 Lucoile

66" (1676mm) span scale model of an attractive French light biplane, for .60-80 motors and 4-function R/C. First Appeared in: Flying Scale Models July 2010

Plan: £14.50
Cut Parts: N/A

PLAN28

RC Scale IC Power



Piper Cherokee

A 39" (991mm) span scale model of the famous Piper light aircraft for 4-function R/C and .15 size motors. First Appeared in: Flying Scale Models - November 1997

Plan: £12.50
Cut Parts: N/A

PLAN145

RC Scale IC Power



CUT PARTS

Chilton DW 1a

This 1/3rd scale version comes from the expert design board of Phil S.Kent and has been built in several sizes. This 96" (2438mm) version features flaps as per the fullsize, suits 1.5 to 1.8 cu.in. four stroke engines, and five function R/C systems. 2 sheet plan

Plan: £22.50
Cut Parts: £125.00

PLAN303

RC Scale IC Power



CUT PARTS

Corben Super Ace

A 50" (1270mm) sport-scale model of the delightful American homebuilt aircraft, 1/6th scale replica suits .26-.30 four stroke engines, or .20-.25 cu.in. two strokes. Four function radio systems required

Plan: £19.50
Cut Parts: £65.00

PLAN275

RC Scale IC Power



CUT PARTS

Curtiss Hawk P-6E

A replica of the flamboyant 1930s American biplane fighter aircraft with a very elegant shape. 1:6.4 scale model spans 57" (1450mm) and suits .50-.60 size engines. Conventional wood construction throughout and requires four function radio control. Two-sheet plan

Plan: £19.50
Cut Parts: £90.00

PLAN226

RC Scale IC Power



CUT PARTS

Curtiss JN4 Jenny

81" (2057mm) wingspan 1:6.4 scale replica of the classic American biplane. Easy to fly with all the character of the full size. Suits .52-.75 motors and 4-function radio. First Appeared in: Aviation Modeller International - December 1996

Plan: £19.50
Cut Parts: £145.00

PLAN38

RC Scale IC Power



Curtiss P-40 Kittyhawk

54" (1370mm) span sport-scale replica of the American WW2 warbird, designed for .52 size four-stroke motors or .40 two-strokes. Model designed to take off from simple wire drop-off dolly, shown on plan. First Appeared in: FSM - Mar 2002

Plan: £11.75
Cut Parts: N/A

PLAN37

RC Scale IC Power



Davis DA-9

A 38.5" (978mm) wingspan scale model of an unusual U.S. homebuilt aircraft, with butterfly tail configuration. Suits 4-function radio control systems and .35-.40 cu.in. motors. Two sheet plan. First Appeared in: FSM - Sep/Oct 1997

Plan: £15.50
Cut Parts: N/A

PLAN48

RC Scale IC Power



De Havilland 103 Hornet

An 80" (2032mm) replica of the fastest, most powerful fighter aircraft ever to reach production status. Model suits motors of .45 - .58 (the prototype used two Enya 53 four-stroke engines). 2 sheet plan. First Appeared in: FSM - Mar/Apr 2001

Plan: £22.50
Cut Parts: £130.00

PLAN52

RC Scale IC Power



DHC-1 Chipmunk

Superbly accurate 1/4 scale replica of the classic RAF primary trainer aircraft designed by leading British scale contestant Dave Womersely. 103" (2616mm). Cockpit canopy available from Vortex Vac-Forms. Engines - 1.8 cu. in. (30cc) four strokes.

Plan: £27.50
Cut Parts: £175.00

PLAN314

RC Scale IC Power



DHC-1 Chipmunk

Dave Womersely's 1/5, 82.5" (2096mm) offered on the understanding that no prototype model has been built to this size. Suits engines - 1.2 - 1.5 cu. in. (20-25cc) four strokes.

Plan: £27.50
Cut Parts: £175.00

PLAN315

RC Scale IC Power



DH 53 'Humming Bird'

A 1/3rd scale 120" (3048mm) authentic scale model of the 1920s era ultra light private sports aircraft, designed for 1.80 cu.in. four-stroke engines and four-function radio control. 4 sheet plan. First Appeared in: FSM - Dec 2007

Plan: £27.50
Cut Parts: £125.00

PLAN307

RC Scale IC Power



Dornier Do27

1/4 scale replica of the German 1950s-60s light commercial aircraft. 84" (2134mm), Prototype model used Laser 120 four stroke engine. Minimum four function radio control, or five functions with working flaps. First Appeared in: FSM - Oct 2004

Plan: £19.50
Cut Parts: £75.00

PLAN261

RC Scale IC Power



Druine Turbulent

50" (1270mm) span sport scale model of the famous French-designed homebuilt aircraft for 3/4-function R/C systems and .20-.35 cu.in. motors. All conventional construction. First Appeared in: Aviation Modeller International - May 1999

Plan: £12.50
Cut Parts: N/A

PLAN46

RC Scale IC Power



EFA Euro Fighter

Two channel (aileron & elevator) R/C ducted fan powered model of the European Fighter aircraft using an .049 engine. 24.5" (550mm) wing span. First Appeared in: Flying Scale Models September/October 1998

Plan: £11.75
Cut Parts: N/A

PLAN55

RC Scale IC Power



Miles Messenger

Class 1 R/C scale design, '60' - '100' engines and 5/6 channel, 100" wingspan. Plan Number: MF 21 originally appeared in Model Flyer Magazine Issue: Jul-00 Designer: G Smith

Plan: £29.95
Cut Parts: £250.00

PLANMF21

RC Scale IC Power



Extra 300S & L

56" span sport scale replica of the spectacular full-size competition and display aerobatic machine for .60-.75 engines and 4-function radio. Cockpit canopy, wheel covers and glass fibre cowl available call 01525 222573. First Appeared in: AMI - May 1997

Plan: £14.00
Cut Parts: £95.00

PLAN56

RC Scale IC Power



F.E.8

Accurate 1/5th scale 75.6" (1920mm) replica of the British early WW1 pusher fighter. Requires .78-.91 four stroke engines and four function radio control system. First Appeared in: FSM - Mar 2005

Plan: £19.50
Cut Parts: £88.00

PLAN267

RC Scale IC Power



Fairchild F24 Ranger

Accurate 1:4.9 scale replica of the elegant classic American civil light aircraft. 88.9" (2286mm) span model. For 1.00 to 1.20 cu.in four stroke power and minimum four function radio. First Appeared in: FSM - Jun 2004

Plan: £19.50
Cut Parts: N/A

PLAN253

RC Scale IC Power



Fairey Gannet A.S.1

A 1/8th scale 81" (2057mm) span model of the Naval search aircraft. Flaps and retracts shown, plus bomb doors, extending radome and tail hook. Optional folding wings. Minimum 4-function R/C. Two sheet plan. First Appeared in: FSM - Jun 1998

Plan: £19.50
Cut Parts: £135.00

PLAN65

RC Scale IC Power



Felixstowe F2A

An amazing 1/6th scale fully flyable replica of the British WW1 maritime patrol flying boat. Model spans 100.5" (2553mm) and suits two .25-.30 cu.in. two stroke engines. Prototype model won "Best of Show" at the prestigious Toledo R/C Expo in USA.

Plan: £19.50
Cut Parts: £110.00

PLAN276

RC Scale IC Power



Fieseler Fi 156 Storch

Paolo Severin's 1/4 scale replica built in a manner that faithfully replicates the full size airframe including tubular metal fuselage structure and rib-for-rib flying surfaces. 140.25" (3562mm) wingspan. Original used 50cc four-stroke engine.

Plan: £35.00
Cut Parts: £160.00

PLAN320

RC Scale IC Power



Fletcher FD-25B Defender

A 54.5" (1384mm) span model of a 1950s counter-insurgency ground attack aircraft. Features simple constant-chord wing and requires a .30-.40 size two-stroke motor and minimum 4-function radio. First Appeared in: FSM - Apr 2002

Plan: £11.75
Cut Parts: £55.00

PLAN59

RC Scale IC Power



Fokker DVII

Germany's most famous WW1 fighter aircraft modelled in 1/4 scale by Australian R/C WW1 scale expert Gary Sunderland. 1/4 scale version spans 82.5" (2095mm) and is designed for 30cc (1.8 cu.in.) two-stroke engines. 3 sheet plans. First Appeared in: FSM - Feb 2004

Plan: £26.50
Cut Parts: £135.00

PLAN241

RC Scale IC Power



Fokker DVII

Germany's most famous WW1 fighter aircraft modelled in 1/5 scale by Australian R/C WW1 scale expert Gary Sunderland. 1/5th scale model spans 65.78" (1673mm) and suits 15cc (.90 cu.in.) four stroke engines. 3 sheet plans. First Appeared in: FSM - Feb 2004

Plan: £26.50
Cut Parts: £135.00

PLAN242

RC Scale IC Power



Fokker DVII

Small, sport-scale model of the famous German WW1 fighter for 4-function R/C equipment and .15 cu.in. motors. 38" (965mm) wingspan. First Appeared in: Flying Scale Models - July/August 1999

Plan: £11.75
Cut Parts: N/A

PLAN71

RC Scale IC Power



Gloster Gladiator

The RAF's last fighter biplane, a classic of its era, modelled to 1/7th scale with a wingspan of 54.5" (1384mm). Suits .46-.60 motors. First Appeared in: Flying Scale Models - November 2000

Plan: £17.50
Cut Parts: N/A

PLAN78

RC Scale IC Power



Grumman F6F-3 & 5 Hellcat

A 1/6th scale 86" (2184mm) wingspan scale replica. Construction method makes use of carved foam for fuselage and features core wing construction. Flaps and retracts features. For 30-45cc motors. Three sheet plan. First Appeared in: FSM - Nov/Dec 1997

Plan: £19.50
Cut Parts: £120.00

PLAN85

RC Scale IC Power



Halberstadt D.V

1/4 scale replica of this magnificent WW1 warbird spanning 87" (2210mm). Prototype used O.S. 120 four-stroke engine. Two-sheet plan. First Appeared in: Flying Scale Models - December 2002

Plan: £17.50
Cut Parts: N/A

PLAN89

RC Scale IC Power



Hawker Fury

A 1/6th scale replica of the RAF's most elegant 1930s biplane fighter. 60" (1524mm) wingspan model requires 4-function R/C gear and .60 cu.in. motor. First Appeared in: FSM - Sep/Oct 1999

Plan: £17.50
Cut Parts: £125.00

PLAN91

RC Scale IC Power



Hawker Hurricane Mk1

53.5" (1360mm) wingspan sport-scale model of the early Battle of Britain era WW2 fighter. Model suits .40 two-stroke motors or .52 four-strokes. Plan shows both foam-core and built-up balsa wing construction alternatives. First Appeared in: FSM - Nov 2002

Plan: £14.50
Cut Parts: N/A

PLAN90

RC Scale IC Power



Heath Super Parasol

A 1/4, 75" (1905mm) model of the original American homebuilt aircraft. Requires rudder, elevator, aileron and throttle controls and a .60 size four-stroke motor. 3 sheet plan shows both wheel u/c and floats. First Appeared in: FSM - Jan 2001

Plan: £17.50
Cut Parts: N/A

PLAN86

RC Scale IC Power



Heinkel He 51

A 68" (1727mm) 1:6.4 scale model of the pre-WW2 German biplane fighter for 4-function radio control and .70-.90 cu.in. four-stroke motors. Two sheet plan. First Appeared in: FSM - Sep/Oct 1998

Plan: £17.50
Cut Parts: £125.00

PLAN80

RC Scale IC Power



Heinkel He70

1:10 scale version of the elegant 'Silver Lightning', results in a 57" (1448mm) span model. Suits .40 cu.in. two-stroke or .52 cu.in. four-stroke power and 5/6-channel R/C. First Appeared in: Aviation Modeller International - September 2000

Plan: £15.00
Cut Parts: N/A

PLAN88

RC Scale IC Power



Howard DGA-6

A 1/8th scale, 46.5" (1180mm) span model of the 1930s American racing aircraft. Suits .20-.25 cu.in. two-stroke motors, or .25-.30 four-strokes and 4-function R/C. Two sheet plan. First Appeared in: AMI - Dec 1998

Plan: £14.00
Cut Parts: N/A

PLAN119

AeroDetail series

Making a scale model?

Finding the detail needed to finish a scale model can be difficult and getting full size images is not always practical. Our range of detail photo collections provides extensive close ups of a wide range of popular aircraft all on CD in J-peg format



Whitman Tailwind CD106

Two examples shown of this U.S. homebuilt lightplane, with boxy shape ideal for modellers. Complete close-up detail. (62 images)

Westland Lysander CD105

The Shuttleworth Museum's airworthy example shown in both camouflage and Special Operations black finishes. Full close-up detail. (62 images)

Waco Ymf-5 CD104

Beautiful and graceful spatted undercarriage biplane of the 1930s 'golden aviation era'. Example photographed is an accurate-in-every-detail modern replica. (130 images)

Vickers Supermarine Walrus CD103

The famous 'Shagbag' biplane seaplane, used during WW2 as an air-sea rescue craft and fleet gunnery spotter. (80 images)

Tipsy Belfair CD102

Highly attractive Belgian low wing light aircraft from the era of simple, open cockpit private flying. Machine offers scale modellers pleasant lines and simple shape. (35 images)

Thulin Tummelisa CD101

Swedish 1919-era fighter trainer that served the Swedish air arm for many years. Example depicted is a faithful reproduction. (55 images)

Supermarine Spitfire MK.XVI CD100

Last of the Merlin-engined Spitfires. This collection depicts the cut-down fuselage, bubble cockpit canopy later version. (116 images)

Supermarine Spitfire MK.IX CD99

The most numerous version of the classic Spitfire that turned the tables on the Luftwaffe's Focke Wulf Fw 190. (90 images)

Supermarine Spitfire MK XIV CD98

2nd of the Griffon-engined Spits (Mk.XII was first), the bigger engine forced a change of the classic Spitfire shape. (58 images)

Supermarine Spitfire MK Vc CD97

Shuttleworth Museum's airworthy example presented in it's latest form with classic rounded wingtip planform. (160 plus images)

Supermarine Seafire Mk17 CD96

The Seafire 17 was no navalised Spit. A true ground-up naval fighter. (64 images)

Stinson 105 CD95

Light, private aircraft of the 1940-50s era, with lots of character. (75 images)

Steen Skybolt CD94

Attractive U.S. aerobatic biplane, presented in full detail. (89 images)

Sopwith Triplane CD93

The last example of the 'Tripehound' is the one built (in 1980!) from original Sopwith drawings by Northern Aero Works and given sequential manufacturer's number by Sir Thomas Sopwith himself in recognition of the outstanding workmanship. Extensive detail. (120 images)

Sopwith Pup CD92

The charismatic Sopwith Scout (to give its correct designation) is a great scale modellers' favourite. Example depicted is the one preserved and regularly flown at the Shuttleworth Collection, Old Warden. (50 images)

S.E.5A CD91

Shuttleworth Museum's airworthy example presented in full detail. (100 plus images)

Ryan Pt-22 CD90

US military primary trainer aircraft that served with both US Army and Navy, thus providing ab-initio flight training for the majority of US airmen of the WW2 period. A highly attractive aircraft. 90 images of the preserved, airworthy aircraft, hanged at the Shuttleworth Collection, Old Warden.

Republic P-47D CD89

Bubble-canopy version of the much loved 'Jug', photographed in fine detail. (105 images)

Polikarpov Po-2 CD88

The world's most numerous produced aircraft of all time, the PO-2 was a great maid-of-all-work used by both military and civil groups in the old Soviet Union and its satellite states. Example depicted is pristine, and now in storage at Old Warden. (170 images)

Polikarpov I-15 CD87

The ultra agile Russian biplane fighter aircraft that saw widespread service prior to and in the early years of WW2 and during the Spanish civil war. Example illustrated is a superbly restored machine. (100 images)

Pitts S.1 CD86

Homebuilt example by Bob Millinchip, as seen at 2002 PFA Rally. Complete detail study. (36 images)

Piper Tomahawk CD85

Cranfield Flying School example of this civil ab-initio trainer aircraft. (54 images)

Piper Super Cub CD84

The later, 'cleaned-up' version of the famous Piper J-3, with more elegant engine cowl. Two examples shown. (80 images)

Piper L-4 Grasshopper CD83

Military version of the famous Piper J-3 Cub used during WW2 and close reconnaissance and spotter aircraft and for many other tasks. (80 images)

Percival Provost CD82

Airworthy, preserved example of the RAF piston engined basic trainer used in the 1950s. Full detail. (30 images)

Percival Mew Gull CD81

Famous 1930s racing and record setting aircraft that will forever linked with the achievements of British aviator Alex Henshaw. (35 images)

North American T28 CD80

The advanced trainer aircraft that served in many air arms worldwide and also became a counter-insurgency ground attack aircraft. Examples illustrated are from France, where the type served for many years as the 'Fenec'. (100 plus images)

North American P51D Mustang CD79

The definitive bubble canopy Merlin Mustang. In detail, showing several restored examples. This is the Fantasy of Flight Museum's overpolished example, but the close-up detail is all there. (102 images)

North American P51B/C CD78

First of the Rolls Royce Merlin engine Mustangs, this collection depicts the Fantasy of Flight Museum's restored example, with overly polished plain metal surfaces. Much detail. (102 images) Also, 41 images of The Fighter Collection's P-51C in bare metal restoration, showing much surface and internal airframe detail. A real bumper bundle! (over 140 images)

North American B25 Mitchell CD77

Fantasy of Flight Museum's example. Photographed soon after superb restoration. Full nose to tail detail. (74 images)

North American AT6 Harvard CD76

AT-6, SNJ, Texan, Harvard – call it what you will. 55,000 were built – this example is in U.S. Army colours, with comprehensive close-up detail, nose to tail. (76 images)

North American A36 Invader CD75

The ground attack variant of the Allison engine P-51A. Photos, in detail, of the world's only airworthy example. (69 images)

Morane Saulnier MS406 CD74

French WW2 fighter that fought in the Battle of France, 1940. Swiss restored example (92 images)

Monocoupe CD108

The Monocoupes were side-by-side two-seat lightplanes of mixed wood and steel-tube basic construction with fabric covering. A braced high-wing monoplane with fixed tailskid landing gear, and the reverse curve rear fuselage lines that were to become one

of the signature identifier features of the Monocoupes. 55 photos

Miles Magister CD73

A firm favourite with scale modellers, this extensive collection of images depicts two examples in different Royal Air Force training colour schemes. (100 images)

Messerschmitt ME109G CD72

The 'Gustav' saw Luftwaffe service from late 1942 onwards. Subject version of this collection is a tropicalised G-6. (110 images)

Messerschmitt Bf109E CD71

The 'Emil' was the version of this WW2 fighter that was the mainstay of the Luftwaffe fighter force during the Battle of Britain in 1940. (150 images)

Me 410A – 1/U2 CD107

For those who fancy a twin, but something outside the 'normal' favourites, consider the Luftwaffe's final 'destroyer' heavy fighter that packed a powerful punch 79 photos

Martin B-26 Marauder CD70

The Fantasy of Flight Museum's example, photographed pre-restoration, soon after it was flown into the Museum site, thus in original, unrestored condition. (100 images)

LVG C.VI CD69

The sole survivor of its type from the WW1 era, photographed in extensive detail. This is the machine house at and flown from the Shuttleworth Collection airfield, Old Warden and now in storage, awaiting display at the RAF Museum. (110 images)

Luton Minor CD68

Just one example of this light aircraft, to which the owner has added many mods and variations. (32 images)

Luscombe Silvaire CD67

The elegant late 1940s U.S. light aircraft. Several examples provided, with much close-up detail for modellers. (74 images)

Kawasaki Ki100 CD66

A study of the late WW2 radial engine 'emergency' development of the Japanese Ki 61 Hien (Tony) that provided an unexpectedly superior performance for the squadrons of the Imperial Japanese Air Force during the closing stages of the Pacific war. (60 images)

Junkers Ju87G-2 Stuka CD65

The aircraft that defined the term

Hawker Typhoon CD109

The Hawker Typhoon was a British single-seat fighter bomber, produced by Hawker Aircraft. While the Typhoon was designed to be a medium-high altitude interceptor. 117 images

Hawker Tomtit CD64

Mid 1930s RAF biplane trainer aircraft, from the era open cockpits of silver dope and polished metal. (140 images)

Hawker Tempest Mk 2 CD63

The final development of Hawker

Hawker Sea Fury FB XI CD62

Hottest of all the piston-engine fighter aircraft, the carrier-borne Sea Fury is also admired for its elegant profile. (140 images)

Hawker Hurricane

MK1 & MKIV CD61

Two versions of the famous 'Hurri' – one a true Battle of Britain survivor painstakingly restored to perfect authenticity, plus the cannon-armed, Mk.IV 'tank buster'. (170 images)

Hawker Hart & Hind CD60

A combo collection featuring the RAF Museum's Hart bomber and Hart Trainer, plus Shuttleworth's Hind. (115 images)

Hawker Fury CD59

No authentic example now exists, but the accurate replica photographed in extensive detail in this collection is as good a guide as can be found of this elegant 1930s RAF fighter. Includes some general arrangement pictures authentic to the period. (55 images)

Grumman FM-2 Wildcat CD58

First of Grumman's highly successful line of prop-driven 'Cats', the Wildcat, in guises from F4F-3 to FM-2 held the line after the Pearl Harbour attack and served from then until the end of WW2. It was idea for operations from the small escort carriers. (90 images)

Grumman F8F Bearcat CD57

Hottest of Grumman's prop-drive fighters – it arrived too late for action in WW2 but was standard ship-borne fighter equipment in the immediate post-WW2 era. (90 images)

Grumman F7F Tigercat CD56

The awesome twin engine long range fighter of the late WW2 era operated by US Navy and US Marines. (60 Images)

Grumman F6F Hellcat CD55

The US Navy's most important, and most successful fighter of WW2, photographed, close-up, from nose to tail and wing tip to wing tip. Example shown is part of The Fighter Collection, based at Duxford. (90 images)

Grumman F3F CD54

A study of the faithfully replicated example of the 1930s U.S. Navy biplane as seen at the 2001 Flying Legends Show. (34 images)

Gloster Gladiator CD53

The Royal Air Force's last biplane fighter, star

of late 1930s air shows and flown in combat during early WW2, including Battle of France, Battle of Britain, Mediterranean operations and North Africa. (50 images)

Fokker D.VIII CD52

The Fantasy of Flight Museum's example of the late WW1 Imperial German Air Service monoplane fighter, in full detail. (69 images)

Fokker D.VII CD51

The most famous of all the German fighter aircraft of WW1. The collection depicts the RAF Museum, Hendon's authentic, restored example. (44 images)

Focke Wulf FW 190A CD50

Germany's 'butcher bird' fighter of WW2, active on all combat fronts from 1941 onwards.

Fieseler Storch CD49

Arguably the first military STOL aircraft, this storky looking aircraft has long been a modellers' favourite. Two examples are represented, the machine at the Fantasy of Flight Museum in Florida and the RAF Museum Cosford's example. (images)

Fairey Gannet ASW1 & T.2 CD48

The Royal Navy's post-WW2 anti-submarine workhorse, that also served with a number of other air-arms. Most images are of Mk.T2, that was more-or-less the same as the ASW.1. (110 images)

Fairchild Ranger CD47

Elegant U.S. high wing light aircraft in full detail. Two examples shown. (60 images)

Erco Ecoupe 415 & Avalon Ecoupe CD46

The elegant twin finned light/sport aircraft. Both original Type 415 and later Alon resurrection examples. (115 images)

DHC Chipmunk CD45

A bumper bundle of images that provides a vast array of detail pictures, plus photos of examples in both RAF trainer and civil colours. (70 images)

DH Tiger Moth CD44

Much close-up detail of civil register example, plus further detail of the IWM Duxford's example in Royal Navy trainer colours, showing the blind flying hood. (110 images)

De Havilland DH89 Dragon Rapide CD43

Graceful twin engine biplane airliner that saw service from pre-WW2 through to the mid 1950s. Several are still flying and three are shown in this picture collection. (100 images)

De Havilland DH84 Dragon CD42

Forerunner of the more famous DH 89 Dragon

Rapide, this collection depicts a superbly restored example. (40 images)

De Havilland DH 60 CD41

The aircraft that set the British 'club' flying movement on the road to success during the 1930s. (140 images)

De Havilland DH 53 CD40

1920s lightweight low wing sports aircraft designed to a low-power specification. Machine illustrated is the sole remaining example. (60 images)

Curtiss P-40M CD39

One of the later versions of the famous Curtiss Warhawk, the WW2 fighter aircraft that saw service in just about every combat theatre of operations. (100 images)

Curtiss P-40B Tomahawk CD38

Rare, full restored example of the early version of the Curtiss fighter aircraft that was at Pearl Harbour on Dec. 7th 1941 – and survived the attack! (130 images)

Curtiss Jn-4 'Jenny' CD37

An authentic, restored example in full detail. (130 images)

Curtiss Hawk 75 CD36

The 'export' version of the Curtiss P-36 that saw service in during WW2 with Finland and during the 'Battle of France' in May/June 1940. Example shown is a combat veteran. (130 images)

Comper Swift CD35

1930s racing aircraft. Example depicted is the radial engine example at Shuttleworth Mussel (91 images)

Cierva C.30 Autogiro CD34

A study of the example hung in the Fantasy of Flight Museum, finished in RAF WW2 colours. (35 images)

Christen Eagle CD33

The spectacular, stylish aerobatic biplane revealed in close-up. Example shown is the two-seat version. (90 images)

Chrislea Super Ace CD32

Late 1940s civil light aircraft with distinctive twin fins and nosewheel type undercarriage. A fully restored example. (123 images)

Chilton DW1 CD31

Original upright engine version of this diminutive British low wing sports/racer. (90 images)

Chance Vought F4U-1D Corsair CD30

The famous 'bent wing bird' in super detail. (132 images)

Bucker Jungmeister CD29

Radial engine version. Example from Fantasy of Flight Museum. (79 images)

Bucker Bestmann CD28

Authentic example as exhibited at the Fantasy of Flight Museum, in WW2 Luftwaffe colour scheme. (43 images)

Bristol M.1C CD27

Early WW1 fighter monoplane. Example depicted is the faithfully authentic replica built by the Northern Aero Works and operated by the Shuttleworth Trust museum. (100 images)

Bristol F2B Brisfit CD26

Full close-up detail, including photos of engine cowls for both Rolls Royce Falcon and Hispano-Suiza engines. (28 images)

Bristol Bulldog CD25

This collection depicts the example assembled from two donor airframes and restored to superb standard by Skysport Engineering. It can now be seen at the Royal Air Force museum, Hendon. (60 images)

Boeing Pt-13/17 Stearman CD24

Subject aircraft is a current British civil register example used for air-show displays. (54 images)

Bleriot Monoplane CD23

The Shuttleworth Museum's machine, the oldest original example still flying. Much close-up detail showing all the exposed rigging, structure and the "bedstead" main undercarriage, plus Anzani engine. (74 images)

Bell P-39Q Airacobra CD22

Superbly restored example of this much-maligned WW2 fighter aircraft that was used with great success by Russian forces in the ground attack role and with saw much action in the south Pacific, from where this restored example was recovered. (130 images)

Beech D18 Staggerwing CD21

The distinctive back-staggered 1930s biplane with retracting undercarriage. (45 images)

Avro 504k CD20

The Shuttleworth Museum's superbly maintained machine, in full detail. (140 images)

Arrow Active II CD19

Sole remaining example of this 1930s racing and aerobatic biplane restored to pristine condition. (50 images)

Aeronca Sedan CD18

The last and most graceful of the Aeronca line of light/sports aircraft in fine detail. (80 images)

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RC Scale IC Power



Junkers J.2

1/6th scale 72" model of the radical German WW1 monoplane fighter that pioneered all-metal airframe construction. Designed by Australian R/C scale expert Gary Sunderland. Two sheet plan. First Appeared in: FSM - Mar 2008

Plan: £22.50
Cut Parts: £115.00

PLAN310

RC Scale IC Power



Kawasaki Ki-100

A 60" (1524mm) wingspan, approximately 1/8th scale replica of this classy WW2 fighter. Suits .52 to .60 cu.in. engines and 5-channel R/C. First Appeared in: Flying Scale Models - March 2003

Plan: £12.50
Cut Parts: N/A

PLAN225

RC Scale IC Power



Kawasaki Ki.61 'Hien'

Arguably the most elegant Japanese WW2 fighter aircraft, this is the fighter the Allies code named 'Tony'. Our 60" (1524mm) span, near 1/8th scale model suits .45-.60 size two stroke engines or .52-.72 four strokes.

Plan: £12.50
Cut Parts: N/A

PLAN240

RC Scale IC Power



L.V.G C.VI

1/6th scale model of the German WW1 two seat reconnaissance aircraft. Prototype model won "Best of Show" at the 2000 Toledo Weak Signal Expo in USA. 85.3" span (2166mm), for .51-.65 cu. Five sheets of plans

Plan: £25.00
Cut Parts: £120.00

PLAN263

RC Scale IC Power



Luscombe Silvaire

80" (2031mm) wingspan sport scale model for 4/5-function R/C. Flaps shown. Suits .40-.53 cu.in. motors. First Appeared in: Aviation Modeller International - March 1998

Plan: £14.50
Cut Parts: N/A

PLAN110

RC Scale IC Power



Messerschmitt Me 109E

A 43" (1092mm) sport-scale model of the early Battle of Britain version of the famous German fighter. Designed for .25 cu.in. size two-stroke engines and up to four function radio control. Minimum controls are aileron and elevators. First Appeared in: AMI - Sep 2003

Plan: £11.50
Cut Parts: N/A

PLAN294

RC Scale IC Power



Meyer Little Toot

Philip S. Kent designed the 65" (1651mm) wingspan, 1:3.4 scale fully aerobatic replica for 1.80 cu.in. four strokes or similar power two strokes. First published in Flying Scale Models in January 2011.

Plan: £19.50
Cut Parts: £135.00

PLAN327

RC Scale IC Power



Miles Hawk Speed Six

Magnificent 1/4 scale model of the 1930 Kings Cup air racer. Spans 99" (2515mm), for 4-function R/C and .90-1.20 cu.in. motors. First Appeared in: Flying Scale Models - March/April 1998

Plan: £19.50
Cut Parts: N/A

PLAN115

RC Scale IC Power



Miles M28 Mercury

1/6th scale radio-controlled model of the machine that preceded the Miles Messenger. 57" (1448mm) span model suits .35-.42 size motors and features detachable wing panels. 4-function R/C minimum. Two sheet plan. First Appeared in: FSM - July 2002

Plan: £14.50
Cut Parts: £95.00

PLAN129

RC Scale IC Power



Miles Magister

1/7th scale model of the R.A.F. WW2 training aircraft. Both foam core and conventional balsa structure wing constructions shown. This 58" (1473mm) span model suits .40 size motors. First Appeared in: Flying Scale Models - September 2000

Plan: £13.50
Cut Parts: N/A

PLAN250

RC Scale IC Power



Mitsubishi A6M-5 Zero

A 63.4" (1610mm) span scale model of the famous Japanese WW2 fighter aircraft. Plan shows flaps and retracting undercarriage, including tailwheel. Suits .45-.60 cu.in. motors. First Appeared in: Flying Scale Models - March/April 2000

Plan: £17.50
Cut Parts: N/A

PLAN113

RC Scale IC Power



Monocoupe C90

Pretty 48" (1219mm) span replica of the American 1930s light aircraft, designed for 2/3-function R/C and .10 (1.5cc) motors. Prototype was Mills 1.3 powered. First Appeared in: Aviation Modeller International - August 1996

Plan: £11.50
Cut Parts: N/A

PLAN121

RC Scale IC Power



Morane Saulnier Type N

A sport scale, 1/3rd full-size model of the French WW1 monoplane fighting scout. A big 108" (2743mm) wingspan is designed for 28-38cc size motors. Easy to fly and very realistic in the air. Three sheet plans. First Appeared in: FSM - May 2001

Plan: £22.50
Cut Parts: £135.00

PLAN124

RC Scale IC Power



Nakajima B6N1 Tenzan

1/16th scale replica of the Japanese WW2 dive bomber. 36.5" (927mm) span model requires a .12-.15 size motor and 4-function R/C gear. First Appeared in: Flying Scale Models - July 1998

Plan: £11.75
Cut Parts: N/A

PLAN135

RC Scale IC Power



Nieuport 11 Bebe

Scale model of the famous French early WW1 scout biplane for 4-function radio control systems. Available in 1/4 scale with 74.3" (1887mm) span for motors like O.S. 91FS. First Appeared in: FSM - May/June 1999

Plan: £19.50
Cut Parts: £135.00

PLAN131

RC Scale IC Power



Nieuport 11 Bebe

Scale model of the famous French early WW1 scout biplane for 4-function radio control systems. Plans are available in 1/5 scale with 59.5" (1511mm) span for .80 size motors. First Appeared in: Flying Scale Models - May/June 1999

Plan: £19.50
Cut Parts: £125.00

PLAN132

RC Scale IC Power



Nieuport TYPE VI

A 1/6th scale replica of an early floatplane for three function radio control and .90 to 1.20 cu.in. engines. Wing span 82" (2083mm). First Appeared in: Flying Scale Models - May 2006

Plan: £20.50
Cut Parts: N/A

PLAN287

RC Scale IC Power



N.American P-51B Mustang

An accurate-outline, sport scale model of the famous WW2 fighter, in its early and highly attractive dorsal cockpit form. 49.5" (1257mm) span model is designed for .40 size engines and 4-function R/C. A great performer. First Appeared in: AMI - Feb 1996

Plan: £11.25
Cut Parts: N/A

PLAN134

RC Scale IC Power



North American P-51D Mustang

A 54" (1372mm) wing span (1:8.2 scale) model of the bubble cockpit version of this famous WW2 fighter aircraft. Plan shows main undercarriage retract positions and both conventional wing rib construction and foam core wing. First Appeared in: AMI - Feb 1996

Plan: £12.50
Cut Parts: N/A

PLAN266

RC Scale IC Power



Percival Proctor Mk.4

A 1/5.5 scale. This version has a 83.25" (2144mm) wingspan and is suitable for 1.240 cu.in. motors. First Appeared in: Flying Scale Models - July/August 2000

Plan: £24.50
Cut Parts: £115.00

PLAN151

RC Scale IC Power



Percival Proctor Mk.4

A 1/7th scale model which spans 65.4" (1661mm). Design suits .50-.60 size engines and scale flaps are shown on the two sheet plans. Simple wood construction engine cowl requires no moulding. First Appeared in: FSM - July/August 2000

Plan: £16.50
Cut Parts: £115.00

PLAN152

RC Scale IC Power



Pfalz D.XII

Australia's Gary Sunderland designed this 1/7-scale model of the late-WW1 German fighter aircraft. Accurate rib-for-rib wing airframe structure. 89.75" (2280mm) wing span, for 1.8 - 2.00 cu.in (30-35cc) engines and four function R/C systems.

Plan: £27.50
Cut Parts: £175.00

PLAN313

RC Scale IC Power



Piper Super Cruiser

David Boddington's 1/5th true scale 84" (2134mm) wingspan replica of the Piper PA-12 light aircraft, designed for 4-function radio control systems and .90 cu.in. size motors. First Appeared in: Flying Scale Models - January/February 1999

Plan: £16.50
Cut Parts: £95.00

PLAN150

RC Scale IC Power



Piper Super Cub

A great first-time scale model for novices and sport fliers who want real scale accuracy. 79" (2007mm) span 1:5.33 scale model suits .40-.60 range of engines. Two sheet plan. Glass fibre cowl available. First Appeared in: Aviation Modeller International - August 1996

Plan: £16.50
Cut Parts: £95.00

PLAN146

RC Scale IC Power



Polikarpov I-152

A 1/6th scale, 67" (1702mm) span model of this distinctive 1930s Russian biplane. Designed for 120 and larger four-stroke engines and 4-channel R/C. Five-sheet plan. First Appeared in: Flying Scale Models - April 2003

Plan: £24.50
Cut Parts: N/A

PLAN227

RC Scale IC Power



PZL 104 Wilga C

An 84" (2132mm) wing span 1:5.2 scale model of the Polish light STOL aircraft extensively used for glider towing and general purpose short-field operations.

Plan: £19.50
Cut Parts: £115.00

PLAN272

RC Scale IC Power



Royal Aircraft Factory B.E.2e

A 1/6th scale master model of the early WW1 reconnaissance biplane. 79.75" (2025mm) wing span model suits .60 cu.in. (10cc) engines and four function R/C equipment

Plan: £19.50
Cut Parts: £130.00

PLAN325

RC Scale IC Power



Rumpler C.IV Taube

A 1/7th scale 80" (2032mm) wing span sport-scale model of the early German WW1 aircraft designed for .60 cu.in. size four stroke engines and four function radio control operating rudder, elevators, ailerons and throttle. First Appeared in: FSM - Apr 2005

Plan: £19.50
Cut Parts: £110.00

PLAN269

RC Scale IC Power



SE5a

Practical 1/5th scale 64" (1626mm) span replica featuring accurate rib-for-rib airframe structure. A good size model, without being too big for transport. 4-function R/C required. Three sheet plan. First Appeared in: Flying Scale Models - May/June 1998

Plan: £24.00
Cut Parts: N/A

PLAN183

RC Scale IC Power



Sopwith Camel

1/6th scale replica of the famous RFC WW1 fighter biplane, for .24-.40 size motors and 4-function R/C. 56" (1422mm) wing span. First Appeared in: Flying Scale Models - January/February 1998

Plan: £14.50
Cut Parts: £79.50

PLAN188

RC Scale IC Power



Sopwith Pup

David Boddington's superb, true-to-scale 1/5th scale replica, featuring accurate outlines and rib-for-rib reproduction of the full-size wing structure. 63" (1600mm) span. First Appeared in: Aviation Modeller International - January 1996

Plan: £16.50
Cut Parts: £135.00

PLAN177

RC Scale IC Power



Southern Martlet

1/5th scale replica of an attractive 1930s sports racing biplane. Aviation Modeller International - June 1996

Plan: £19.50
Cut Parts: £80.00

PLAN311

RC Scale IC Power



Southern Martlet

1/7th scale replica of an attractive 1930s sports racing biplane. 44" (1118mm) span model suits .20 cu.in. size motors and 3-function R/C. First Appeared in: Aviation Modeller International - June 1996

Plan: £12.50
Cut Parts: £65.00

PLAN171

RC Scale IC Power



Spad 7

Accurately detailed replica of the French WW1 fighting scout available in 1/4 scale with 85.8" (2180mm) span. .90. 4-function R/C gear required

Plan: £24.00
Cut Parts: £175.00

PLAN181

RC Scale IC Power



Spad 7

Accurately detailed replica of the French WW1 fighting scout available in 1/5 scale with 68.6" (1743mm) span. Model is designed for 20-25cc (1.2-1.5 cu.in.) motors.

Plan: £24.00
Cut Parts: £165.00

PLAN180

RC Scale IC Power



Spitfire Mk. XVI

The Mk.16 Spitfire was the last of the Merlin engined Spits and later versions featured the bubble type cockpit canopy. This sport-scale modelless to 1/8th scale model spans 54" (1372mm).

Plan: £14.50
Cut Parts: N/A

PLAN270

RC Scale IC Power



Staaken Z-1 Flitzer

Scale model of a full-size homebuilt biplane designed to capture the air of the WW1 era. This 43.5" (1105mm) span replica suits .35-.48 size motors and 4-function R/C. First Appeared in: AMI - Feb 1997

Plan: £12.50
Cut Parts: N/A

PLAN190

RC Scale IC Power



Stits Playboy

Build this classic and cute little homebuilt aircraft from the 1950s era. 47.5" (1207mm) span sport-scale model can be flown on .20-.30 cu.in. two stroke engines or .30-.40 four strokes. First Appeared in: FSM - Aug 2004

Plan: £14.50
Cut Parts: N/A

PLAN260

RC Scale IC Power



Sukhoi SU-26

Small size, 39.5" (1000mm) scale model of the Russian Aerobatic aircraft, offers a lively aerobatic performance with 4-function radio and .20-.30 cu.in. motors. First Appeared in: AMI - Jan 1998

Plan: £12.50
Cut Parts: N/A

PLAN182

RC Scale IC Power



Taylorcraft BC-12

An accurate 1/4 scale model of a classic American high-wing lightplane, designed by Philip S.Kent for 1.20-1.50 cu.in. four-stroke engines. Wing span 106.5" (2705mm)

Plan: £19.50
Cut Parts: £120.00

PLAN291

RC Scale IC Power



Tipsy Junior

Down the years, since its first appearance in 1948, this cute little machine has been a scale modellers favourite. The 79" (2006mm) span 1:3.44 scale replica designed by Philip S.Kent makes a great introduction to R/C scale.

Plan: £19.50
Cut Parts: £95.00

PLAN286

RC Scale IC Power



Tupolev Tu-95 Bear

Spectacular 84" (2134mm) span sport scale model of the Russian "cold-war" era ultra-long-range reconnaissance aircraft, for two .40 size motors and minimum 4-function R/C. Engine nacelles ideally suited to electric power conversion. First Appeared in: AMI - Dec 1997

Plan: £15.00
Cut Parts: N/A

PLAN203

RC Scale IC Power



Ultimate 10-300

Fully aerobatic scale replica of the full-size competition machine. 55" (1400mm) span model suits .90-1.20 cu.in. motors and 4-function R/C. Two sheet plan. Cockpit and cowl available

Plan: £16.50
Cut Parts: N/A

PLAN204

RC Scale IC Power



V-1 Doodle Bug

The V-1 "Buzz-Bomb" of WW2 replicated to a 40" (1016mm) span, for Estes rocket power or PSS with aileron, elevator and rocket fire function controls. First Appeared in: FSM - January/February 1999

Plan: £11.75
Cut Parts: N/A

PLAN206

RC Scale IC Power



Vought OS2U-3 Kingfisher

Sport scale replica of the WW2 seaplane scout aircraft for 4/5-function R/C and .60-.90 motors. Wingspan of 60" (1524mm). First Appeared in: Aviation Modeller International - May 1998

Plan: £15.00
Cut Parts: N/A

PLAN211

RC Scale IC Power



Westland Lysander Mk3

Superb true scale construction replica of the WW2 Army Co-op and Special Operations aircraft in 1.75":1' scale. 87.5" (2223mm) span model suits .50-.60 size two-stroke motors and requires minimum 4-function radio control. Two sheet plan. Wooden cowl - no glass fibre moulding

Plan: £19.50 **Cut Parts:** £135.00

PLAN109

RC Scale IC Power



Winter LF-1 Zaunkönig

Jeremy Collins' 3/10th scale, 94" (2388mm) wing span model faithfully replicates the full size and offers the prospect of a unique flying challenge.

Plan: £24.50
Cut Parts: £140.00

PLAN298

RC Scale IC Power



Yakovlev Yak 3

Sport-Scale model of Russia's hottest WW2 fighter aircraft. 50" machine suits .52 cu.in four stroke engines, plans show both foam-core and built-up wing rib & spar wing construction. Retract positions also shown. First Appeared in: FSM - May 2006

Plan: £12.50
Cut Parts: N/A

PLAN248

RC Scale IC Power



Yokosuka MZY-7 Ohka

Something completely different - the Japanese WW2 rocket Kamikaze, designed to be aerotowed to height before firing Estes rocket motors. Aileron, elevator and rocket fire control functions, plus tow release. First Appeared in: FSM - Mar/Apr 1998

Plan: £11.75
Cut Parts: N/A

PLAN216

RC Scale IC Power



Zlin 50L/M

Graham Smith's 54" (1372mm) span sport scale aerobat suits .40-.46 two-stroke or .52 four-stroke engines. 4-channel R/C operates this 1/6th scale model. First Appeared in: Aviation Modeller International - June 2003

Plan: £12.50
Cut Parts: N/A

PLAN251

RC Scale IC Power



Comper Swift CLA7

The delightful 1930s British light-sport and racing aircraft built to 1/3rd scale

Plan: £19.50
Cut Parts: £135.00

PLAN333

RC Scale IC Power



Gloster Gauntlet

1:5 Scale 78.7" (1999mm) wingspan model for 2-2.4 cu.in. engines and four function RC designed by Jeff Hartnoll. Published in FSM August and September 2001 issues.

Plan: £24.50
Cut Parts: N/A

PLAN331

RC Scale IC Power



Nieuport 28

60 size R/C Scale model 4 channels. 65" span. Cowls £18. Plan Number: MF31, Designer: P Smith, Power: 0.6 Published in FSM December 2012 (issue 157)

Plan: £34.95
Cut Parts: £75.00

PLANMF31

RC Scale IC Power



Nieuport 27

Gary Sunderland's quarter scale WWI fighter with 80.5" wingspan for 2.00 cu.in four stroke engines. First published in FSM 143 and 144 Oct 2011 and Nov 2011.

Plan: £24.50 Cut Parts: N/A

PLAN332

RC Scale IC Power



Rhapsody

Elegant 58.5" span elliptical wing RC model for 4 function systems and .25-.32 cu.

Plan: £15.00

Cut Parts: £59.00

PLAN326

RC Scale IC Power



Miles Sparrowhawk

1/4 scale R/C 5 channel radio, '108' to '120' engines. 84" wingspan Originally appeared in Model Flyer Magazine Issue: Dec 99 Designer: Ken Burke Power: 0.12

Plan: £29.95

Cut Parts: N/A

PLANMF1

RC Scale IC Power



Miles Sparrowhawk 3-View

3-view scale drawings to 1/24 scale Originally appeared in Model Flyer Magazine Issue: to go with MF 1 - Dec 99 Designer: Ken Burke

Plan: £4.00

Cut Parts: N/A

PLANMF1a

RC Scale IC Power



Grumman Skyrocket

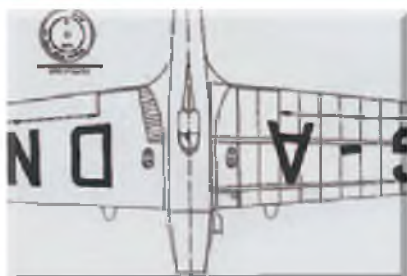
Profile scale fun-fly R/C Grumman Skyrocket for 2 x '18' and 2 x '28' engines and 4/5 channel radio Originally appeared in Model Flyer Magazine Issue: Apr 00 Designer: Boddo Power: Profile multi .18/.28(4)

Plan: £14.95

Cut Parts: N/A

PLANMF12

RC Scale IC Power



Miles Messenger

1/24 Scale drawing to compliment MF21 Originally appeared in Model Flyer Magazine Issue: Jul-00 Designer: G Smith

Plan: £4.00

Cut Parts: N/A

PLANMF25

RC Scale IC Power



Projed P-51

R/C profile funscale, for 2-function radio, 1.0 to 1.5cc motors Originally appeared in Model Flyer Magazine Issue: May-01 Designer: Boddo Power: 0.1

Plan: £5.00

Cut Parts: N/A

PLANMF50

RC Scale IC Power



Hummingbird

1/4 scale DH monoplane .90 to 120 4 strokes, 4 channel.90" wingspan Originally appeared in Model Flyer Magazine Issue: Jan-01 Designer: M Hawkins Power: 0.12

Plan: £34.95

Cut Parts: N/A

PLANMF37

RC Scale IC Power



Blackburn mono

53" span, RC for .20 power Originally appeared in Model Flyer Magazine Issue: Dec-03 Designer: Boddo Power: 0.2

Plan: £9.95
Cut Parts: N/A

PLANMF123

RC Scale IC Power



Miles Hawk

R/C scale '30s racer, 72" wingspan for .60 IC Originally appeared in Model Flyer Magazine Issue: May-02 Designer: K Burke Power: 0.6

Plan: £16.95
Cut Parts: N/A

PLANMF84

RC Scale IC Power



Me 109/Spitfire

.15 powered - 3 channel R/C, all built-up structure. Originally appeared in Model Flyer Magazine Issue: Jul-01 Designer: Boddo Power: 0.15

Plan: £5.00
Cut Parts: N/A

PLANMF57

RC Scale IC Power



P-38 Lightning

60inch span RC profile twin for 2 x .25 IC Originally appeared in Model Flyer Magazine Issue: Jan-06 Designer: K Sheppard Power: .25

Plan: £7.50
Cut Parts: N/A

PLANMF170

RC Scale IC Power



Mini Skyrocket

39" wingspan RC profile scale: funfly for 2 x .15 power Originally appeared in Model Flyer Magazine Issue: Aug-04 Designer: Boddo Power: .15 (2)

Plan: £9.95
Cut Parts: N/A

PLANMF140

RC Scale IC Power



Stinson HW75

34" free flight scale model for .5-.75cc motors Originally appeared in Model Flyer Magazine Issue: May-07 Designer: J Watters Power: 0.03

Plan: £7.50
Cut Parts: N/A

PLANMF194

RC Scale IC Power



Macchi 202

54" wingspan for .60 power, 4/5 channel RC retracts optional Originally appeared in Model Flyer Magazine Issue: Mar-07 Designer: G Smith Power: 0.52

Plan: £7.95
Cut Parts: N/A

PLANMF189

RC Scale IC Power



Fw 190D

.52 IC powered warbird with foam or built up wing. 5 channel (incl retracts) Originally appeared in Model Flyer Magazine Issue: May-06 Designer: G Smith Power: 0.52

Plan: £6.95
Cut Parts: N/A

PLANMF177

RC Scale IC Power



Bleriot XI

60" wing span model for 30 power Originally appeared in Model Flyer Magazine Issue: Aug-11 Designer: D Boddington Power: 0.3

Plan: £19.95
Cut Parts: N/A

PLANMF257

RC Scale IC Power



Vultee Sentinel

36" span scale model for FF or RC IC or EP
Originally appeared in Model Flyer Magazine Issue:
Apr-08 Designer: J Watters Power: 0.03

Plan: £9.95
Cut Parts: N/A

PLANMF210

RC Scale IC Power



Vacuplane

Unorthodox semi scale model for .40 power RC
Originally appeared in Model Flyer Magazine Issue:
Dec-08 Designer: J Stengele Power: 0.4

Plan: £14.95
Cut Parts: N/A

PLANMF221

RC Scale IC Power



ABC Robin

56" wing span scale model for RC for 25-40 power
Originally appeared in Model Flyer Magazine Issue:
Jan-11 Designer: D Boddington Power: 0.26

Plan: £14.95
Cut Parts: N/A

PLANMF250

RC Sport Electric



Fly Baby

62" (1575mm) span conversion to electric power of
Peter Bowers' 1940s free-flight plan. Suits 500/600
size motors and 3-channel R/C. First Appeared in:
Aviation Modeller International - February 2003

Plan: £12.50
Cut Parts: N/A

PLAN221

RC Sport Electric



Dalotel 3D

Hang on tight for some extreme aerobatics for
electric power with John Rutter's 48" (1219mm)
wing span design. Requires a geared 600 size
motor or Mega 22/30/3 brushless and ten cell 2400
mAh power pack. First Appeared in: AMI - Sep 2003

Plan: £12.50
Cut Parts: N/A

PLAN232

RC Sport Electric



Femto Fun 300 and 400

Two versions of the same design for 300 and 400 size
electric motors. This 'minimum airframe' ultra-aerobatic
model uses 4-function lightweight R/C gear. Wing spans
are 29" (730mm) and 33.5" (850mm) respectively. First
Appeared in: AMI - Dec 1999

Plan: £11.25
Cut Parts: N/A

PLAN67

RC Sport Electric



Electrun 400

A 30" (762mm) span R/C electric design for 400 size
electric motors. Primary controls are aileron and elevator
(no rudder), plus motor speed control. First Appeared in:
Aviation Modeller International - November 1999

Plan: £10.00
Cut Parts: N/A

PLAN68

RC Sport Electric



Pixel

Styled on the Keil Kraft rubber powered "Pixie", the
delightfully shaped Pixel is an R/C sports flier for
geared 400 size electric motors and three function
radio on rudder, elevator and throttle. Wing span 50.2"
(1275mm). First Appeared in: AMI - Aug 2004

Plan: £12.50
Cut Parts: N/A

PLAN254

RC Sport Electric



Prowler

Simple, constant-chord high-wing sports R/C
model for 400 size electric power. R/C on rudder,
elevator and speed control. 36" (914mm) wingspan.
First Appeared in: Aviation Modeller International -
January 2000

Plan: £10.00
Cut Parts: N/A

PLAN156

RC Sport Electric



Skyranger 500

Docile, high performance electro-soarer for 3-function R/C. Elegant and practical model. Wing span 57.5" (1460mm). First Appeared in: Aviation Modeller International - April 1998

Plan: £12.50
Cut Parts: N/A

PLAN175

RC Sport Electric



Sou-wester

Electric powered duration style R/C model for 3-function R/C gear on rudder, elevator and speed controls. 58.5" (1485mm) span for Speed 400 type motors. First Appeared in: Aviation Modeller International - June 1997

Plan: £10.00
Cut Parts: N/A

PLAN179

RC Sport Electric



Trooper

A 48" (1220mm) wing span parasol wing sports model with the air of a 1930s military trainer aircraft, designed for the popular 400 size electric motors. And three function radio. First Appeared in: AMI - Feb 2001

Plan: £11.50
Cut Parts: N/A

PLAN197

RC Sport Electric



eZe Eagle

54.5 inch approx wingspan EP fun-fly sports Originally appeared in Model Flyer Magazine Issue: April-13 Designer: Andy Reid Power: EP

Plan: £23.95
Cut Parts: N/A

PLANMF283

RC Sport Electric



Gulliver

77inch approx wingspan 8 channel computer RC EP Originally appeared in Model Flyer Magazine Issue: Aug-12 Designer: JJ Rutter Power: EP

Plan: £14.95
Cut Parts: N/A

PLANMF274

RC Sport Electric



Woodbine

22inch approx wingspan 3 channel RC tailless EP Originally appeared in Model Flyer Magazine Issue: July-12 Designer: Mike White Power: EP2600Kv outrunner

Plan: £9.95
Cut Parts: N/A

PLANMF273

RC Sport Electric



Versatility

52inch approx wingspan RC for 20 size EP aerobatic trainer Originally appeared in Model Flyer Magazine Issue: May-12 and June-12 Designer: Ian Stockdale Power: 20 Size EP

Plan: £14.95
Cut Parts: N/A

PLANMF271

RC Sport Electric



RUDP

32inch wingspan RC all-sheet SP400 Originally appeared in Model Flyer Magazine Issue: Jul-01 Designer: P Lewis Power: S400

Plan: £6.95
Cut Parts: N/A

PLANMF160

RC Sport Electric



Field Rat

F/F or R/C sports parasol, for 0.8cc motors. Originally appeared in Model Flyer Magazine Issue: Jul-97 Designer: K Sheppard Power: GWS 39.5" wingspan.

Plan: £5.00
Cut Parts: N/A

PLANMF61

RC Scale IC Power



Twin Spin

45" span fun fly sports model for .25-.35 power Originally appeared in Model Flyer Magazine Issue: Feb-06 Designer: A Clark Power: 500W brushless

Plan: £9.95
Cut Parts: N/A

PLANMF240

RC Scale IC Power



Barracuda

40" wing span aerobatic RC flying wing Originally appeared in Model Flyer Magazine Issue: Nov-05 Designer: M White Power: 200W brushless

Plan: £10.00
Cut Parts: N/A

PLANMF236

RC Scale IC Power



Stroller

20" span EP sports model Originally appeared in Model Flyer Magazine Issue: Aug-04 Designer: A Reid Power: GWS

Plan: £6.95
Cut Parts: N/A

PLANMF217

RC Sport Electric



Little Ern

26" span for electric power sports model Originally appeared in Model Flyer Magazine Issue: Jul-04 Designer: I Stockdale Power: 400 brushless

Plan: £6.95
Cut Parts: N/A

PLANMF216

RC Sport Electric



Cava

46 1/2" span EP flying boat Originally appeared in Model Flyer Magazine Issue: Jan-04 Designer: D Eustace Power: 2 x 400 brushless

Plan: £7.95
Cut Parts: N/A

PLANMF206

RC Sport Electric



What If?

Electric power flying teardrop Originally appeared in Model Flyer Magazine Issue: Sep-03 Designer: L Cotton Power: 400 brushless

Plan: £5.95
Cut Parts: N/A

PLANMF201

RC Sport Electric



Honkers

36" span 400 size EP 3D model Originally appeared in Model Flyer Magazine Issue: Jun-02 Designer: N Young Power: S400

Plan: £6.95
Cut Parts: N/A

PLANMF181

RC Sport Electric



Insanity

All sheet EP Delta 2300kv brushless motor 15 ducted fan motor 3600kv Originally appeared in Model Flyer Magazine Issue: Nov-07 Designer: I Stockdale Power: 400 brushless

Plan: £6.95
Cut Parts: N/A

PLANMF262

RC Sport Electric



Breezer

37.5" electric power sports aerobat 50-120W brushless out runner Originally appeared in Model Flyer Magazine Issue: Jul-10 Designer: A Reid Power: 400 brushless

Plan: £6.95
Cut Parts: £75.00

PLANMF246

RC Sport Electric



Fun Fly

42" span fun fly for 500W electric power 5 channel flaperon mixing Originally appeared in Model Flyer Magazine Issue: Apr-06 Designer: J J Rutter Power: 400W brushless

Plan: £9.95
Cut Parts: N/A

PLANMF244

RC Sport Electric



Night Rider

Dunne type Depron tailless biplane Originally appeared in Model Flyer Magazine Issue: Mar-08 Designer: G Iredale Power: 200 brushless

Plan: £9.95
Cut Parts: N/A

PLANMF269

RC Sport Electric



Rafter Rat

Indoor R/C electric slow fly, based on H Barrs Hangar Rat. GWS unit / 7 cells. Originally appeared in Model Flyer Magazine Issue: Jul-01 Designer: K Sheppard Power: GWS

Plan: £5.00
Cut Parts: N/A

PLANMF58

RC Sport IC Power



Aeromite

36" (914mm) span R/C stunter featuring all-sheet fuselage and constant-chord, fully-symmetrical section wing. Can be flown with 2- to 4-function R/C and suits .15 size motors. First Appeared in: AMI - Jan 1997

Plan: £11.25
Cut Parts: N/A

PLAN1

RC Sport IC Power



AMI Tutor

A proven basic R/C trainer, with follow-on alternative symmetrical wing section option for an introduction to aerobatic flying. 52.5" (1334mm) span machine suits .25-.40 size motors and 4-function R/C gear. First Appeared in: AMI - Dec 1998

Plan: £13.50
Cut Parts: N/A

PLAN218

RC Sport IC Power



Bandit

A medium size, 60" (1524mm) span sports aerobatic model featuring attractive open cockpit appearance. Designed for .40-.60 cu.in. motors and 4-function R/C. Fixed, tail-dragger undercarriage. First Appeared in: AMI - Sep 1999

Plan: £12.50
Cut Parts: N/A

PLAN18

RC Sport IC Power



Mills Bomb

David Boddington's 35" sport RC for 2 channel for the Irvine 1.3cc engine Published in AMI March 1997

Plan: £9.95
Cut Parts: N/A

PLAN458

RC Sport IC Power



Broomstick

Free flight scale replica of the radial-cowled version of this classic biplane aerobatic aircraft. 23.5" (600mm) span model suits Cox .020 motor or similar. First Appeared in: AMI - April 2004

Plan: £11.50
Cut Parts: N/A

PLAN245

RC Sport IC Power



Dancing Girl

Semi-scale R/C model based on the diminutive American 'Cosmic Wind' racers, this 53" (1346mm) span fully aerobatic machine suits .46 cu.in. two stroke engines, or .52 four strokes. Four function radio required. First Appeared in: AMI - July 2004

Plan: £12.50
Cut Parts: N/A

PLAN255

RC Sport IC Power



Diamond 4

Fly your own Red Arrows aerobatic team with this 83" (2108mm) span four-plane formation group, designed for .50-.60 size two-stroke motors by the late Peter Hales. Ailerons on outer models and elevator on the rear one. First Appeared in: AMI - Dec 1995

Plan: £12.50
Cut Parts: N/A

PLAN40

RC Sport IC Power



Die Hard

A hot-dogging sports aerobatic biplane for .36 cu.in. sized engines with variable engine thrustline control for extreme stunt performance. 38.5" (978mm) span, for 4-function R/C. First Appeared in: AMI - Feb 2000

Plan: £11.25
Cut Parts: N/A

PLAN249

RC Sport IC Power



Duck Soup

Something very different for those in search of a real break with convention! A 62" (1575mm) span pusher canard model for .45 two-stroke engines and 4-function radio. First Appeared in: AMI - Jan 1997

Plan: £13.50
Cut Parts: N/A

PLAN44

RC Sport IC Power



El Forte

46" (1168mm) span fighter style delta-wing for .35-.45 motors and 3-function radio. One piece airframe employs completely conventional balsa/ply construction. Pusher engine installation. First Appeared in: AMI - Sep 1996

Plan: £12.50
Cut Parts: N/A

PLAN58

RC Sport IC Power



Elation

An F.A.I class F3A competition R/C aerobatic aircraft, specifically designed for those who wish to make a start in competition aerobatics. 69.3

Plan: £13.50
Cut Parts: N/A

PLAN271

RC Sport IC Power



F-16 Fun Fighter

All-sheet construction jet fighter style sports R/C model, with tight dimensions that allow it to fit into the back of the car in one piece! Suits .10-.20 motors. Wing span 32.25" (819mm). First Appeared in: AMI - April 1998

Plan: £11.25
Cut Parts: N/A

PLAN63

RC Sport IC Power



Fan Phantom

Semi-scale replica of the McDonnell Douglas F-4 Phantom, designed for ducted fan operation with .21-.25 cu.in. power. Requires 4-function R/C. 28" (711mm) span. First Appeared in: AMI 1996

Plan: £11.25
Cut Parts: N/A

PLAN60

RC Sport IC Power



Fantasy 2

A 50" (1270mm) span low-wing sports model with taildragger undercarriage and open style cockpit for .25 cu.in. motors and 4-function radio control systems. First Appeared in: AMI - October 1999

Plan: £11.50
Cut Parts: N/A

PLAN281

RC Sport IC Power



Ghouly

All-sheet construction tailless canard twin, for twin Cox Black Widow .049 power, with Jedelsky wing construction. For 2/3-function R/C, with 'elevon' main controls. Wing span 45.5" (1156mm). First Appeared in: AMI - October 1998

Plan: £11.25
Cut Parts: N/A

PLAN74

RC Sport IC Power



Great Tit

Twice-size enlargement of the original Frog kit free flyer for .049 cu.in power. May be flown either free flight or radio controlled with rudder and elevator controls. 36" (914mm) wing span. First Appeared in: AMI - July 1997

Plan: £11.50
Cut Parts: N/A

PLAN72

RC Sport IC Power



Groin Strain

An ultra-simple, ultra-aerobatic fun-fly model for .20-.36 motors. 47" (1194mm) wingspan requires four-function radio control systems. First Appeared in: AMI - September 1997

Plan: £11.25
Cut Parts: N/A

PLAN84

RC Sport IC Power



Grosswing

A modern rendition of the original Richard Gross tailless design. 92" (2337mm) span model suits .35-.40 size i.c. motors or electric power (both installations are shown). 3/4-function radio control. First Appeared in: AMI - Jan 1997

Plan: £15.50
Cut Parts: £65.00

PLAN73

RC Sport IC Power



Grumman Skyrocket

Semi-scale profile twin, designed for two .20-.30 cu.in. motors and 4-function R/C equipment. 52" (1321mm) wing span. A fun-flyer with a different and spectacular performance. First Appeared in: AMI - March 1999

Plan: £12.50
Cut Parts: N/A

PLAN77

RC Sport IC Power



Grumman Tigercat

Profile scale twin for two .10 cu.in. (1.5cc) motors and 3/4-function radio. All sheet Jedelsky construction wing spans 34" (864mm). First Appeared in: Aviation Modeller International - December 1996

Plan: £11.25
Cut Parts: N/A

PLAN75

RC Sport IC Power



Hazy Daze

Vintage style fun flyer, ideal for sultry summer afternoons and clear, calm Autumn evenings. Uses 2/3-function R/C, or can be flown as free flight. 64" (1626mm) span model suits .10-.15 cu.in. motors. First Appeared in: AMI - Jan 1999

Plan: £13.50
Cut Parts: N/A

PLAN87

RC Sport IC Power



Herr Flick

Boxy, sports aerobatic model with trike undercarriage. All-sheet fuselage and zero dihedral wing (with fully symmetrical wing section) make for a fast build. 49" span model suits .40 size motors and requires 4-function R/C. First Appeared in: AMI - Mar 1996

Plan: £12.50
Cut Parts: N/A

PLAN92

RC Sport IC Power



Interceptor

A 72" (1829mm) span sports parasol with the air of a 1930s 'fighter'. Suits 4-function R/C systems and engines around the .40 size. First Appeared in: Aviation Modeller International - November 1997

Plan: £15.00
Cut Parts: N/A

PLAN94

RC Sport IC Power



Jetfire 2

A simple-to-build low wing R/C aerobatic sportster, design to give the air of an early jet fighter. 72" (1829mm) span model suits .19-.25cu.in motors and requires four-function radio. First Appeared in: AMI - August 2000

Plan: £12.50
Cut Parts: N/A

PLAN95

RC Sport IC Power



Jolene

Low-wing sports aerobatic design for 4-function radio systems, featuring simple fuselage structure and constant-chord wing. 60" (1524mm) wingspan design suits .25-.30 size motors. First Appeared in: AMI - August 2001

Plan: £12.50
Cut Parts: N/A

PLAN96

RC Sport IC Power



Kiwi

Handy size 25" (635mm) span low-wing sport aerobatic R/C model with attractive, racy lines, for .10 size motors and up to 4-function lightweight R/C gear. First Appeared in: AMI - January 1999

Plan: £10.00
Cut Parts: N/A

PLAN97

RC Sport IC Power



Lil Amigo and Amigo Baby

Two versions of a high-wing R/C model spanning either 45" (1143mm) or 33" (838mm), for 3- or 2-function R/C respectively. Open structure fuselage. First Appeared in: AMI - May 1996

Plan: £12.50
Cut Parts: N/A

PLAN107

RC Sport IC Power



Little Ship

Vintage style sportster for 2- or 3-function R/C and either .09 (1.5cc) i.c. motor or 400 size electric. Wing span 44" (1118mm). First Appeared in: Aviation Modeller International - February 1998

Plan: £11.50
Cut Parts: N/A

PLAN103

RC Sport IC Power



Mean Machine

This is a compact, 49" (1245mm) span aerobatic model for .32-.46 two-strokes and 4/5-function radio. A lot of fun for those who want more out of their model flying than straight and level stuff! First Appeared in: AMI - April 1997

Plan: £12.50
Cut Parts: N/A

PLAN133

RC Sport IC Power



Merlin

Attractive high-wing sports model with the option of two versions, one with long wing and extra dihedral for training, or shorter, minimal dihedral for aerobatics. 54" (1372mm) or 58" (1473mm) span models suit .25-.38 cu.in. motors and 3/4-function R/C. First Appeared in: AMI - Dec 1999

Plan: £12.50
Cut Parts: N/A

PLAN117

RC Sport IC Power



Military Combat Pair

Why not try streamer-chasing aerial combat with these profile fuselage R/C stunters. Quick-built and expendable. Plan shows two different fuselages and common wing. First Appeared in: Aviation Modeller International - April 1996

Plan: £12.50
Cut Parts: N/A

PLAN122

RC Sport IC Power



Millenia

An ultra-aerobatic sports R/C model for 3D flying with a .40-.46 size motor and 4-function R/C. Fully configured for extreme aerobatic work. 48" (1219mm) wingspan. First Appeared in: Aviation Modeller International - May 1999

Plan: £11.25
Cut Parts: N/A

PLAN118

RC Sport IC Power



Mini Super

A 45" (1143mm) wingspan miniature of the famous Keil Kraft Super Sixty for free flight or 3-function R/C, using 1.3-2.5cc (.08-.15 cu.in.) motors. First Appeared in: Aviation Modeller International - November 1996

Plan: £11.50
Cut Parts: N/A

PLAN128

RC Sport IC Power



Ol' Sam

Vintage style 66" (1676mm) wingspan sports R/C model for rudder/elevator/throttle controls. Easy-to-build and great for those calm summer evenings. Recommended power range, .30-.40. Two sheet plan. First Appeared in: AMI - September 2002

Plan: £13.50
Cut Parts: N/A

PLAN140

RC Sport IC Power



Peggy Sue

Elegant, high-wing sportster with a fine sport aerobatic performance. This 50" (1270mm) span model suits .25-.30 cu.in. four-stroke or .20-.25 two-stroke motors and requires 4-function R/C. First Appeared in: AMI - July 2000

Plan: £12.50
Cut Parts: N/A

PLAN142

RC Sport IC Power



Profile Me 109

Simple profile fuselage R/C sports model, with all-sheet, super simple Jedelsky wing structure for a really fast build. 30" (762mm) span model can be flown on just aileron and elevator controls only. First Appeared in: AMI - March 1996

Plan: £10.00
Cut Parts: N/A

PLAN112

RC Sport IC Power



Rays Bird

A big, stately 72" (1829mm) span high-wing sports R/C model for rudder, elevator and throttle controls and .40-.60 cu.in. motors. Ideal for those who appreciate a steady, no-drama flight pattern. Two sheet plan. First Appeared in: AMI - August 1998

Plan: £14.50
Cut Parts: N/A

PLAN157

RC Sport IC Power



Red-5

Jet style, sleek R/C sports aerobatic model for .25-.40 size motors and 4-function R/C gear. Wingspan 40" (1016mm). First Appeared in: Aviation Modeller International - January 1999

Plan: £11.25
Cut Parts: N/A

PLAN160

RC Sport IC Power



Rotack

Twin rotor autogyro for engines of about .25 cu.in. and 3-function radio controlling rudder, elevator and throttle. It's great fun! First Appeared in: Aviation Modeller International - November 1996

Plan: £11.50
Cut Parts: N/A

PLAN161

RC Sport IC Power



Sky Eye

Purpose-designed model for aerial photography using a simple practical layout. Plan shows camera installation in nose pod. Wingspan 72" (1829mm), suitable for .45-.50cc motors. First Appeared in: AMI - June 1998

Plan: £12.50
Cut Parts: N/A

PLAN170

RC Sport IC Power



Sky Spy

A multi-role 68" (1727mm) wingspan R/C model for aerial photography, toffee bombing, glider towing or plain sports flying. Uses 4/5-function R/C systems and .30-.48 cu.in. motors. First Appeared in: AMI - July 1999

Plan: £12.50
Cut Parts: N/A

PLAN186

RC Sport IC Power



Skybird 40

Snappy sportster, which is simple to build with constant-chord wing form. Offers sparkling performance on any engine in the .35-.40 range. 4-function radio normal. Wingspan 53" (1346mm). First Appeared in: AMI - Mar 1996

Plan: £12.50
Cut Parts: N/A

PLAN174

RC Sport IC Power



Socatash

Neat parasol-wing R/C sportster for club field fun with a .40-.50 size motor. 60" (1530mm) span requires 3/4-function radio control. First Appeared in: Aviation Modeller International - February 1999

Plan: £12.50
Cut Parts: N/A

PLAN187

RC Sport IC Power



Spooky

All-sheet tailless pusher design for 2-function R/C gear and .049 size motors. Span of 31" (787mm). First Appeared in: Aviation Modeller International - February 1997

Plan: £10.00
Cut Parts: N/A

PLAN178

RC Sport IC Power



Stubble Jumper

A rough-field easy to fly, parasol wing R/C sports model for .15 cu.in. motors and 3-function R/C gear. 49.75" (1264mm) wingspan. First Appeared in: Aviation Modeller International - March 2000

Plan: £11.25
Cut Parts: N/A

PLAN189

RC Sport IC Power



Super Bee

Stylish and simple all-sheet sport biplane for 2/3-function R/C and 0.5-0.75cc power units. 27.5" (699mm) span model features simple Jedelsky style sheet wing. First Appeared in: AMI - October 1996

Plan: £10.00
Cut Parts: N/A

PLAN172

RC Sport IC Power



Ted 2

Low-wing R/C sportster for 2- to 4-function gear and .20 size motors. A very nice shape in the air. Wingspan 45" (1134mm). First Appeared in: Aviation Modeller International - August 1998

Plan: £11.25
Cut Parts: N/A

PLAN192

RC Sport IC Power



Temptress

A 54" (1372mm) wing span (1:8.2 scale) model of the bubble cockpit version of this famous WW2 fighter aircraft. Prototype model used 0.552 Surpass four-stroke engine, but two strokes of similar power may also be used.

Plan: £12.50
Cut Parts: N/A

PLAN265

RC Sport IC Power



Tinkerbelle

A 23" (584mm) span mini biplane for .020 motors and 2-function micro R/C equipment. First Appeared in: Aviation Modeller International - November 1996

Plan: £10.00
Cut Parts: N/A

PLAN193

RC Sport IC Power



Tipo Too

Simple all-sheet sport biplane for 2/3-function R/C and 0.5-0.7cc power. 27.5" (699mm) span model features simple Jedelsky style sheet wing. First Appeared in: Aviation Modeller International - January 1998

Plan: £10.00
Cut Parts: N/A

PLAN195

RC Sport IC Power



Tri-Tipo

Three wings, lots of character and 30" (762mm) of R/C or free flight fun with a 1-1.5cc diesel or .06-.10 glow. All-sheet construction with Jedelsky wing structure. First Appeared in: Aviation Modeller International - July 1998

Plan: £10.00
Cut Parts: N/A

PLAN196

RC Sport IC Power



Trisha

An easy-to-build and friendly-to-fly 60" (1524mm) span sport/trainer for .15 to .25 two-strokes or .20 to .30 four-strokes and 3/4-channel R/C. Can also be flown as electric option using Speed 600 motor. First Appeared in: AMI - March 2003

Plan: £12.50
Cut Parts: N/A

PLAN224

RC Sport IC Power



Umaguli

A 50" (1270mm) wingspan low-wing R/C sportster for rudder, elevator, aileron & throttle controls. Features a scale-like oleo shock-absorbing undercarriage, built around model car type suspension dampers. First Appeared in: AMI - May 2001

Plan: £12.50
Cut Parts: N/A

PLAN205

RC Sport IC Power



Voltsjager

Parasol-wing sports R/C model for low cost electric power systems with 400 size motor. 56" (1422mm) span model uses 4-function R/C. First Appeared in: AMI - July 1999

Plan: £11.50
Cut Parts: N/A

PLAN209

RC Sport IC Power



Voodoo

A 50" (1270mm) wingspan, low-wing sports model with a fine aerobatic performance. Plan shows both fixed and retracting undercarriage, for two-stroke motors and 4/5-function R/C. First Appeared in: AMI - May 2000

Plan: £12.50
Cut Parts: N/A

PLAN207

RC Sport IC Power



Warrior

A 52" (1321mm) wingspan profile sport scale model of the Italian SIAI Marchetti SF260. Uses veneer/foam construction and builds into a one-piece model. For 4-function R/C systems and .32-.40 cu.in. motors. First Appeared in: AMI - February 1999

Plan: £11.25
Cut Parts: N/A

PLAN213

RC Sport IC Power



X-S

A great example of the new extreme aerobatic, minimal airframe model for R/C Fun-Fly. 48" (1220mm) wingspan model suits .36-.46 cu.in. motors and 4-function R/C. Thick symmetrical wing airfoil and flat plate tailplane. First Appeared in: AMI - Mar 2000

Plan: £13.50
Cut Parts: N/A

PLAN215

RC Sport IC Power



Double Dozer

200% enlarged Bulldozer for 75 power. Originally appeared in Model Flyer Magazine Issue: Apr-02 Designer: K Swailes Power: 0.7

Plan: £24.95
Cut Parts: N/A

PLANMF81

RC Sport IC Power



Bulldozer

Vintage cabin model 45: wingspan, 1-1.5cc motors, F/F or R/C Originally appeared in Model Flyer Magazine Issue: Dec-00 Designer: J Stoloff Power: 1.5cc

Plan: £10.95
Cut Parts: N/A

PLANMF36

RC Sport IC Power



Cometa

Vintage cabin model F/F or R/C, 30-40 engines. 66 1/2" wingspan Originally appeared in Model Flyer Magazine Issue: Dec-00 Designer: A Castellani Power: 0.35

Plan: £12.95
Cut Parts: N/A

PLANMF35

RC Sport IC Power



Airmaster original

1938 F/F for 1/5th hp spark ignition engines, 84" wingspan Originally appeared in Model Flyer Magazine Issue: Feb-00

Plan: £14.95
Cut Parts: N/A

PLANMF11a

RC Sport IC Power



Airmaster

Vintage model updated for R/C, two channel 40 4-stroke engine 84" wingspan Originally appeared in Model Flyer Magazine Issue: Feb-00 Designer: R O'Neil/Boddo Power: 0.4

Plan: £14.95
Cut Parts: N/A

PLANMF11

RC Sport IC Power



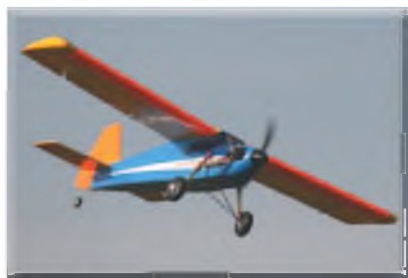
Rewind

RC Sports IC 36" span Originally appeared in Model Flyer Magazine Issue: March-13 Designer: John Rutter Power: .15 size IC

Plan: £15.95
Cut Parts: £45.00

PLANMF281

RC Sport IC Power



Sky Rover

57" Rugged 40 size IC sports Originally appeared in Model Flyer Magazine Issue: Dec-12 Designer: Peter Miller Power: .40

Plan: £17.95
Cut Parts: N/A

PLANMF278

RC Scale IC Power



Wee Mad Arthur

43" 15-20 power aerobic sports Originally appeared in Model Flyer Magazine Issue: Oct-12 Designer: Paul Jubb Power: .15-.20

Plan: £10.95
Cut Parts: N/A

PLANMF276

RC Sport IC Power



Three Zero

R/C sports/trainer for land/floatplane, 20 to 30 engine.45" wingspan Originally appeared in Model Flyer Magazine Issue: Feb-01 Designer: Boddo Power: 0.25

Plan: £6.95
Cut Parts: N/A

PLANMF38

RC Sport IC Power



Four Zero

R/C sports/trainer/floatplane, 30 to 40 sized engines.57" wingspan Originally appeared in Model Flyer Magazine Issue: Feb-01 Designer: Boddo Power: 0.35

Plan: £7.95
Cut Parts: N/A

PLANMF39

RC Sport IC Power



Sea Prince

Single engine (45-60) and twin engines (2 x 28 to 38), 4 channel R/C Originally appeared in Model Flyer Magazine Issue: Sep-00 Designer: Boddo Power: .60 (1) .30

Plan: £14.95
Cut Parts: N/A

PLANMF28

RC Sport IC Power



Tweedledum/Dee

F/F or R/C all sheet, Jedelsky wing monoplane & biplane. 0.9 to 15 engines. Originally appeared in Model Flyer Magazine Issue: Aug-00 Designer: Boddo Power: 0.9 - .15

Plan: £9.95
Cut Parts: N/A

PLANMF24

RC Sport IC Power



Miss Devon

Semi scale sports trainer R/C, 52 to 68 engines, 4/5 channel. Originally appeared in Model Flyer Magazine Issue: Jan-00 Designer: Boddo Power: 0.6

Plan: £14.95
Cut Parts: N/A

PLANMF6

RC Sport IC Power



Super Touper

70" wingspan twin trainer for 2 x 0.25 power. Originally appeared in Model Flyer Magazine Issue: Jun-01 Designer: Boddo Power: .25 (2)

Plan: £12.95
Cut Parts: N/A

PLANMF54

RC Sport IC Power



Likely Lass

26.5" wingspan F/F sports low winger, for 0.25 - 0.5cc power. Originally appeared in Model Flyer Magazine Issue: Jun-01 Designer: V Smeed Power: 0.5cc

Plan: £5.00
Cut Parts: N/A

PLANMF53

RC Sport IC Power



Super Rookie

Powered glider 0.8cc to 1.5cc engines. Ideal intro to R/C. 76" wingspan. Originally appeared in Model Flyer Magazine Issue: Apr-01 Designer: Boddo Power: 1cc

Plan: £9.95
Cut Parts: N/A

PLANMF49

RC Sport IC Power



Floats only

Float construction, veneered foam floats. Originally appeared in Model Flyer Magazine Issue: Feb-00 Designer: J Barringe Power: .30 - 40 size

Plan: £5.00
Cut Parts: N/A

PLANMF42

RC Sport IC Power



Bits

26" wingspan, 0.75cc power R/C sports biplane. Originally appeared in Model Flyer Magazine Issue: Feb-02 Designer: A Boddington Power: 0.049

Plan: £6.95
Cut Parts: N/A

PLANMF76

RC Sport IC Power



Upshot

Chris Olsen tribute model. 36" wingspan .049 RC. Originally appeared in Model Flyer Magazine Issue: Jan-02 Designer: Boddo Power: 0.049

Plan: £6.95
Cut Parts: N/A

PLANMF74

RC Sport IC Power



Pico Gyro

R/C Autogyro for .049 power, 18" diameter twin rotors. Originally appeared in Model Flyer Magazine Issue: Dec-01 Designer: R Brown Power: 0.049

Plan: £7.95
Cut Parts: N/A

PLANMF70

“IT’S BEEN MY DREAM TO
CREATE A PLANE THAT
ALLOWS SPORT PILOTS TO
**EXPERIENCE
THE THRILL
OF 3D FLIGHT.**
THE PARKZONE VISIONAIRE
IS THE REALIZATION
OF THAT DREAM.”



Joseph J. Dominguez



At Last! Sport Pilots Can Fly 3D!

The NEW ParkZone® VisionAire™ 3D Bind-N-Fly™ Park Flyer with AS3X™ Technology

Now sport pilots can realize the dream of flying 3D aerobatics without having to spend a lot of hours flying a lot of different airplanes to develop their skills. The new ParkZone® VisionAire™ park flyer, designed by the Father of 3D, Quique Somenzini, uses a unique combination of aerodynamic features and AS3X™ (Artificial Stabilization – 3-axIs) technology to bridge the gap between sport plane stability and 3D agility.

Lightweight Construction and Brushless Power

The wings are constructed of hollow Z-Foam™ material that has been reinforced with carbon fibre. This not only makes them lighter than solid foam, but stiffer as well. Quique has paired this lightweight airframe with a potent, 10-size brushless power system that delivers the awesome vertical performance necessary for extreme 3D.



Ingenious Aerodynamics

The combination of leading-edge vortex generators, extended-chord ailerons and a dual-thickness airfoil provides extra stability at slow speeds and high angles of attack. Side force generators integrated into the wing also aid stability and give you extra rudder authority in knife-edge flight.

Spektrum™ AR635 6-Channel AS3X Receiver



The advanced AS3X System built into the Spektrum™ AR635 receiver uses a 3-axis MEMS gyro and exclusive software developed in cooperation with Quique to counter the effects of things like wind, P-factor, turbulence and torque. It does not limit the airplane's agility or the pilot's control. It simply makes the model track beautifully and feel incredibly stable at every speed. As their skills progress, pilots can reduce the amount of stability the AS3X System provides or turn it off completely. But even 3D pros will find flying with it on is a lot more fun.

Go to horizonhobby.co.uk right now to see the VisionAire park flyer in action and to find the ParkZone retailer near you.



- Wingspan: 1140mm (45.0 in)
- Length: 1090mm (42.5 in)
- Weight: 1240 g (43.7 oz)
- Motor: 10-size, 1250KV brushless outrunner
- Receiver: Spektrum AR635 6-channel AS3X sport receiver
- ESC: E-flite™ 40A Lite Pro Switch-Mode BEC (V2)
- Servos: E-flite 13 g digital micro servos
- Battery: 3S 11.1V 2200mAh 25C LiPo (included)
- Charger: 2- to 3-cell DC LiPo balancing (included)
- Transmitter: Full-range 4+ channel DSM2™/DSMX™ required (sold separately)

AS3X

BNF (PKZ6580)



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RC Sport IC Power



Superior 60

94" wingspan for 80-100 size 4 strokes. Sports power. Originally appeared in Model Flyer Magazine Issue: Nov-01 Designer: Boddo Power: 0.9

Plan: £19.95
Cut Parts: N/A

PLANMF68

RC Sport IC Power



Aquabat

55" wingspan waterplane for 40 50 engines. Originally appeared in Model Flyer Magazine Issue: Jul-02 Designer: Boddo Power: 0.5

Plan: £9.95
Cut Parts: N/A

PLANMF90

RC Sport IC Power



Gromit

33" FF flying wing for 049 motors. Originally appeared in Model Flyer Magazine Issue: Sep-03 Designer: P Antram Power: 0.049

Plan: £5.00
Cut Parts: N/A

PLANMF118

RC Sport IC Power



Aquababy

.20 sized waterplane, 47" wingspan. Originally appeared in Model Flyer Magazine Issue: Aug-03 Designer: Boddo Power: 0.2

Plan: £7.95
Cut Parts: N/A

PLANMF117

RC Sport IC Power



Bin 39

.40 size aerobatic. 46" wingspan. Originally appeared in Model Flyer Magazine Issue: Jul-03 Designer: Boddo Power: 0.4

Plan: £7.95
Cut Parts: N/A

PLANMF114

RC Sport IC Power



Bonny Lass

32" wingspan F/F sports models, for EP or 0.5cc IC. Originally appeared in Model Flyer Magazine Issue: Nov-02 Designer: V Smeed Power: 0.5cc

Plan: £5.00
Cut Parts: N/A

PLANMF98

RC Sport IC Power



Sneaky Pete

45" wingspan RC sports for .30 IC power. Originally appeared in Model Flyer Magazine Issue: Jun-04 Designer: Boddo

Plan: £9.95
Cut Parts: N/A

PLANMF137

RC Sport IC Power



Memories

Vintage style RC sports, 48" span, for 1.5cc power. Originally appeared in Model Flyer Magazine Issue: Mar-04 Designer: Boddo Power: 1.5cc

Plan: £9.95
Cut Parts: N/A

PLANMF129

RC Sport IC Power



Volant

64" spans sport RC for 50 4-stroke power Originally appeared in Model Flyer Magazine Issue: Oct-08 Designer: D Bell

Plan: £10.95
Cut Parts: N/A

PLANMF218

RC Sport IC Power



Tomboy Senior

48" wingspan sport model for engines 1.3-2.0 2 or 3 channel RC Originally appeared in Model Flyer Magazine Issue: May-08 Designer: Boddo Power: 1.3cc

Plan: £9.95
Cut Parts: N/A

PLANMF213

RC Sport IC Power



Miss Bee

30" wing span for .5-1.0 diesel or glow with 2 channel RC Originally appeared in Model Flyer Magazine Issue: Nov-07 Designer: A Reid Power: 0.049

Plan: £6.95
Cut Parts: N/A

PLANMF202

RC Sport IC Power



Samurai

45" wing span fun fly sports for .25-.35 power >Originally appeared in Model Flyer Magazine Issue: Feb-10 Designer: G Newborn Power:.25/.35

Plan: £9.95
Cut Parts: N/A

PLANMF239

RC Waterplanes



Delilah

Semi-scale R/C flying boat, for two Cox .020 motors and rudder and elevator controls. 38" (965mm) span model has a hull which will withstand landing on firm ground. First Appeared in: Aviation Modeller International - August 1996

Plan: £10.00 **Cut Parts:** N/A

PLAN45

RC Waterplanes



Lochmaster

A practical 58" (1473mm) span flying boat quite capable of handling rough water conditions. Suits .40-.60 two-stroke engines and 4-function radio. First Appeared in: Aviation Modeller International - March 1997

Plan: £13.50
Cut Parts: N/A

PLAN108

RC Waterplanes



Sea Hawk

A 60" (1524mm) span semi-scale Schneider Trophy racer-style floatplane for .60-.80 cu.in. size motors and 4-function R/C. Plan includes floats, made from foam cores with veneer covering. First Appeared in: AMI - July 1996

Plan: £14.00
Cut Parts: N/A

PLAN184

RC Waterplanes



Sea Stormer

Flying off water is a thrill that every R/C flyer should experience sometime and there's no better model to try it with than this 69" (1753mm) span design for .60-.90 size motors. Features conventional airframe construction and foam core floats. Can also be flown with conventional undercarriage. Two sheet plan. First Appeared in: AMI - July 1996

Plan: £14.50 **Cut Parts:** N/A

PLAN166

Free Flight Vintage



Handley Page HP42

John McStea's 28" wingspan all foam free flight model for KP 00 electrics. Published in FSM Jan/Feb 2000 issue 15

Plan: £9.95
Cut Parts: N/A

PLAN440

Free Flight Vintage



Gordou-Leseurre 482

Eric Marsden's 34 3/8" sport scale replica for KP 01 electric free flight Published in FSM Jan/Feb 2000 issue 15

Plan: £9.95
Cut Parts: N/A

PLAN441

Free Flight Vintage



Wasp

Elegant 36" (915mm) span rubber-powered, free-flight model recreating Fred Rogerson's 1935 Canadian Wakefield Winner. First Appeared in: Aviation Modeller International - May 2008

Plan: £12.50
Cut Parts: £59.00

PLAN228

Free Flight Vintage



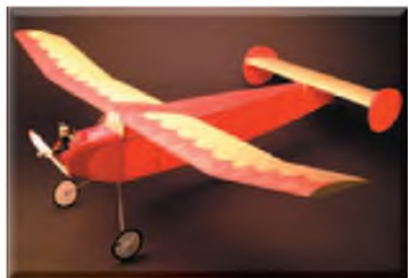
Astro Oink

Robin Woodhead's 25", 1/3rd scale model of the original Astro and Hog for electric KP01 power. Published in AMI November 1996

Plan: £9.95
Cut Parts: N/A

PLAN454

Free Flight Vintage



Little Pemby

Free plan with purchase of Model Flyer Magazine Issue: Sep 01 Designer: W Brown Power: 0.75cc

Plan: £4.35
Cut Parts: N/A

PLANMF62

Free Flight Vintage



Elfette

Free plan with purchase of Model Flyer Magazine Issue: Jul-97 Designer: D Banks Power: .25 parasol

Plan: £4.35
Cut Parts: N/A

PLANMF60

Free Flight Vintage



Warden Flyer

Free plan with purchase of Model Flyer Magazine Issue: Mar-99 Designer: Tony draper Power: C02

Plan: £4.35
Cut Parts: N/A

PLANMF109

Free Flight Vintage



Bantam

Free plan with purchase of Model Flyer Magazine Issue: Jan-99 Designer: D Deadman Power: C02

Plan: £4.35
Cut Parts: N/A

PLANMF103

Free Flight Vintage



Oscar

Free plan with purchase of Model Flyer Magazine Issue: Feb-98 Designer: A Hatfull Power: rubber Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF79

Free Flight Scale Models



Scottish Aviation Bulldog

A rubber powered scale model with 20" wingspan by Albert Hatful Published in FSM Nov/Dec 1998

Plan: £9.95
Cut Parts: N/A

PLAN444

Free Flight Scale Models



English Electric Lightning

Frank Bishop's 24.25" free flight model for electric powered ducted fans. Published in FSM Jan/Feb 1999 2 sheet plan

Plan: £14.95
Cut Parts: N/A

PLAN443

Free Flight Scale Models



Fokker Dr1 Triplane

An indoor 25" RC scale model in tail foam construction by Mark Denham. Published in FSM March/Apr 1999 2 sheet plan

Plan: £14.95
Cut Parts: N/A

PLAN442

Free Flight Scale Models



Puff n Pesseta

Colin Read's 26" free flight fighters for lightweight electric power Published in AMI June 1997

Plan: £9.95
Cut Parts: N/A

PLAN461

Free Flight Scale Models



IAGO

A 36" inch Free Flight model for KP01 C02 or Cox 01/02 motors by Eric Marsden. Published in AMI February 1997

Plan: £9.95
Cut Parts: N/A

PLAN457

Free Flight Scale Models



Hep Cat

First published in 1946 John Barker's 30" rubber powered model. Published in AMI December 1996

Plan: £9.95
Cut Parts: N/A

PLAN455

Free Flight Scale Models



B.A.T. Monoplane

Al Backstrom's rubber powered model with 16" wingspan. Published in FSM Jan/Feb 2001 issue 20

Plan: £4.95
Cut Parts: N/A

PLAN435

Free Flight Scale Models



1913 Bleriot XI Monoplane

A 1/8th scale, 47" (1194mm) wingspan scale model of the 1913 military version of Louis Bleriot's famous machine. Two-sheet plan includes scale three-view and features accurate replication of the full-size structure. Designed for free flight with 0.75-1cc motors. First Appeared in: Flying Scale Models - August 2002

Plan: £14.50 **Cut Parts:** £75.00

PLAN16

Free Flight Scale Models



Cranwell CLA-3

Rubber powered 21" free flight scale model in 1:12th scale by Malcom Leach. Published in FSM Sept/Oct 2000 issue 18

Plan: £9.95
Cut Parts: N/A

PLAN438

Free Flight Scale Models



Latecoere 28

A free flight scale model for CO2 power by Ken McDonough wingspan 24.75" Published in FSM May 2003 issue 42

Plan: £9.95
Cut Parts: N/A

PLAN417

Free Flight Scale Models



S.E.5a

Doug McHard's 1:12th scale free flight scale model with a wingspan of 27" Published in FSM November 2002 issue 36 2 sheet plan

Plan: £14.95
Cut Parts: N/A

PLAN421

Free Flight Scale Models



Reggiane 2005

1:20th scale 21" wingspan model for rubber power. Published in FSM March/April 2001 issue 21

Plan: £4.95
Cut Parts: N/A

PLAN433

Free Flight Scale Models



Blackburn 1912 Monoplane

A 26.5" (674mm) span free flight scale model for KP01 electric power. First Appeared in: Flying Scale Models - April 1998

Plan: £10.00
Cut Parts: N/A

PLAN24

Free Flight Scale Models



Bristol M1C Monoplane Scout

A 46.5" (1181mm) span free flight, scale model of the British WW1 scout aircraft for 1.5cc motors. Can be converted to R/C. First Appeared in: Flying Scale Models - September 1998

Plan: £11.75
Cut Parts: N/A

PLAN19

Free Flight Scale Models



Bucker 133 Jungmeister

Free flight scale replica of the radial-cowled version of this classic biplane aerobatic aircraft. 23.5" (600mm) span model suits Cox .020 motor or similar. First Appeared in: Flying Scale Models - January 1998

Plan: £11.75
Cut Parts: N/A

PLAN17

Free Flight Scale Models



Carly C12

Free flight scale replica for KP01 power. Wing span 24.5" (622mm). First Appeared in: Aviation Modeller International - November 1997

Plan: £10.00
Cut Parts: N/A

PLAN32

Free Flight Scale Models



Fokker E.III (Rubber power)

A British National Championships winner, this 1/8th true-scale replica of the famous German WW1 fighter aircraft features authentic airframe structure. It flies with scale dihedral and has a wingspan of 44.5" (1131mm). First Appeared in: FSM - Sep 2003

Plan: £12.50
Cut Parts: N/A

PLAN230

Free Flight Scale Models



Fokker Spin (Spider)

A 1/8th scale free-flight version of Anthony Fokker's 1913 'Spider'. 54" (1375mm) span model suits 1.5cc diesel engine. First Appeared in: Flying Scale Models - March 2003

Plan: £11.75
Cut Parts: N/A

PLAN136

Free Flight Scale Models



Wright Flyer & Whitehead 21

Dave Prochnow offers 2 plans for the Wright Flyer and Whitehead 21 at approx 13" wingspan

Plan: £9.95
Cut Parts: N/A

PLAN450

Free Flight Scale Models



Lockheed C-130 Hercules

Four-engined free flight ... and it works! A 54" (1393mm) span electric powered model for four KP01 motors. Basic fuselage is foam block. First Appeared in: Aviation Modeller International - January 1998

Plan: £13.50
Cut Parts: N/A

PLAN111

Free Flight Scale Models



Shavrov Sh-2

34" (864mm) span free flight scale model of a Russian (USSR) utility flying boat, for .020 size motors. First Appeared in: Aviation Modeller International - February 1998

Plan: £10.00
Cut Parts: N/A

PLAN185

Free Flight Scale Models



Short Type 184 Floatplane

1/12 th scale free flight model of the early WW1 torpedo bomber/fleet spotter aircraft. Prototype model has excellent contest record.

Plan: £17.50
Cut Parts: £115.00

PLAN319

Free Flight Scale Models



Brewster Bermuda

Open Rubber Winner, UK Indoor Nationals 2009 1/24th scale indoor scale flier for electric or rubber power designed by Richard Crossley wingspan approx 25" Published in FSM May 2011 issue 138

Plan: £9.95
Cut Parts: £35.00

PLAN344

Free Flight Scale Models



Buhl Air Sedan

A 34.5" wingspan originally designed for free flight or conversion for modern lightweight RC gear designed by Hurst Bowers. Published in FSM August 2005 issue 69 2 sheet plan

Plan: £9.95
Cut Parts: £50.00

PLAN391

Free Flight Scale Models



Morane

56" wingspan /F superscale for 1.5cc power. Originally appeared in Model Flyer Magazine Issue: Oct-02 Designer: A Hewitt Power: 1.5cc

Plan: £7.95
Cut Parts: N/A

PLANMF95

Free Flight Scale Models



Avia BH-3

37.7" wingspan FF scale, for 0.5cc - 1.0cc IC. Originally appeared in Model Flyer Magazine Issue: Jan-01 Designer: A Hewitt Power: .75cc

Plan: £7.95
Cut Parts: N/A

PLANMF75

Free Flight Scale Models



F-86 Sabre

F/F EDF jet for Gaskin 400 fan/Kyosho AP 29 or similar. 39 1/2" wingspan Originally appeared in Model Flyer Magazine Issue: Mar-01 Designer: S Glass Power: 400 EDF

Plan: £9.95
Cut Parts: N/A

PLANMF45

Free Flight Scale Models



Mig 15

JetX 100 power scale F/F jet based on original Jetex 50 model. 23" wingspan. Originally appeared in Model Flyer Magazine Issue: Mar-01 Designer: KK/Boddo Power: Jetex 100

Plan: £9.99
Cut Parts: N/A

PLANMF44

Free Flight Scale Models



Italtx

F/F spoof-scale flying boat (or R/C), .75 to 1cc engines. 49 1/2" wingspan Originally appeared in Model Flyer Magazine Issue: May-00 Designer: P Antram Power: 1cc

Plan: £7.95
Cut Parts: N/A

PLANMF15

Free Flight Scale Models



Newbury Eon

37" wingspan F/F sports scale model, for air, CO2 or electric motor power. Originally appeared in Model Flyer Magazine Issue: Jan-03 Designer: M Adams Power: KP02

Plan: £5.00
Cut Parts: N/A

PLANMF101

Free Flight Scale Models



Sopwith Dove

48" wingspan IC superscale power. For 1.5cc motors. Originally appeared in Model Flyer Magazine Issue: Jun-03 Designer: M Smith Power: 1.5cc

Plan: £10.95
Cut Parts: N/A

PLANMF112

Free Flight Scale Models



Spit & Hurri

FF or micro RC Spitfire and Hurricane model Originally appeared in Model Flyer Magazine Issue: Nov-10 Designer: D Vaughan Power: CO2

Plan: £14.95
Cut Parts: N/A

PLANMF247

RC Scale IC and Electric



Albatros CIII

Free 27" plan with purchase of Model Flyer Magazine Issue: Jan-13 Designer: Ken Sheppard Power: EP 4 channel RC

Plan: £4.35 **Cut Parts:** N/A

PLANMF279

RC Scale IC and Electric



Little Rocket

Free plan with purchase of Model Flyer Magazine Issue: Oct-09 Designer: G Rathband Power: IC engine Reduced

Plan: £4.35
Cut Parts: N/A

PLAN235

RC Scale IC and Electric



Cozylite EP

Free plan with purchase of Model Flyer Magazine Issue: Oct-06 Designer: M Macintosh Power: Foam canard pusher

Plan: £4.35
Cut Parts: N/A

PLANMF184

RC Scale IC and Electric



Albatros/Be2

Free plan with purchase of Model Flyer Magazine Issue: Mar-05 Designer: M Watters Power: micro EP

Plan: £4.35
Cut Parts: N/A

PLANMF151

RC Scale IC and Electric



Sukhoi Su26

Free plan with purchase of Model Flyer Magazine Issue: Jul-04 Designer: D Ridgway Power: GWS

Plan: £4.35
Cut Parts: N/A

PLANMF138

RC Scale IC and Electric



Bristol M1C

Free plan with purchase of Model Flyer Magazine Issue: Oct-02 Designer: J Tolhurst Power: geared 280 Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF96

RC Scale IC and Electric



Tiger Moth

Free plan with purchase of Model Flyer Magazine Issue: Sep-02 Designer: M Halton Power: geared 280 Reduced

Plan: £4.35 **Cut Parts:** N/A

PLANMF94

RC Scale IC and Electric



AW FK3

Free plan with purchase of Model Flyer Magazine Issue: May-02 Designer: K Sheppard Power: micro EP

Plan: £4.35
Cut Parts: N/A

PLANMF86

RC Scale IC and Electric



Indoor Vampire

Free plan with purchase of Model Flyer Magazine Issue: Apr-02 Designer: R Chant Power: KP EDF unit Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF83

RC Scale IC and Electric



G Cub

Free plan with purchase of Model Flyer Magazine Issue: Oct-01 Designer: D Ridgway Power: micro EP Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF65

RC Scale IC and Electric



Park Hornet

Free plan with purchase of Model Flyer Magazine
Issue: Mar-11 Designer: J Simpson Power: Micro
EDF Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF251

RC Scale IC and Electric



Piper Super Cruiser

Free plan with purchase of Model Flyer Magazine
Issue: Apr-10 Designer: R Preston Power: Micro EP

Plan: £4.35
Cut Parts: N/A

PLANMF241

RC Scale IC and Electric



Nibbio

Free plan with purchase of Model Flyer Magazine
Issue: Jun-00 Designer: A Allen Power: KP02

Plan: £4.35
Cut Parts: N/A

PLANMF19

RC Sports



Flyer 2000

Free plan with purchase of Model Flyer Magazine
Issue: Mar-00 Designer: Boddo Power: .15-.25

Plan: £4.35
Cut Parts: N/A

PLANMF9

RC Sports



Carina

Free plan with purchase of Model Flyer Magazine
Issue: Feb-00 Designer: Boddo Power: 1cc

Plan: £4.35
Cut Parts: N/A

PLANMF7

RC Sports



SE6A

Free plan with purchase of Model Flyer Magazine
Issue: Jan-00 Designer: J Allen Power: 1.5cc

Plan: £4.35
Cut Parts: N/A

PLANMF4

RC Sports



Micro Hawk

Free plan with purchase of Model Flyer Magazine
Issue: Jan-00 Designer: D Ridgway Power: 0.049

Plan: £4.35
Cut Parts: N/A

PLANMF3

RC Sports



Zero Seven

Free plan with purchase of Model Flyer Magazine
Issue: May-00 Designer: Boddo Power: 1cc

Plan: £4.35
Cut Parts: N/A

PLANMF17

RC Sports



Millenium bug

Free plan with purchase of Model Flyer Magazine
Issue: Apr-00 Designer: Boddo Power: 0.1

Plan: £4.35
Cut Parts: N/A

PLANMF13

RC Sports



Speedy 300

Free plan with purchase of Model Flyer Magazine
Issue: Nov-01 Designer: D Ridgway Power: S300
Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF67

RC Sports



Voodoo

Free plan with purchase of Model Flyer Magazine
Issue: Dec-01 Designer: D Ridgway Power: S400
Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF72

RC Sports



Waggle

Free plan with purchase of Model Flyer Magazine
Issue: Aug-02 Designer: J Reid Power: 0.4cc

Plan: £4.35
Cut Parts: N/A

PLANMF92

RC Sports



Cheeky

Free plan with purchase of Model Flyer Magazine
Issue: Nov-04 Designer: Boddo Power: 0.5cc

Plan: £4.35
Cut Parts: N/A

PLANMF144

RC Sports



Rex Racer

Free plan with purchase
of Model Flyer Magazine
Issue: Jan-04 Designer: J
Watters Power: C02

Plan: £4.35
Cut Parts: N/A

PLANMF125

RC Sports



Hawker Headbutt

Free plan with purchase of Model Flyer Magazine Issue:
Dec-04 Designer: Gray Power: mini glider

Plan: £4.35
Cut Parts: N/A

PLANMF145

RC Sports



Hawker Hurricane

Free plan with purchase of Model Flyer Magazine
Issue: Dec-05 Designer: G Iredale Power: S400

Plan: £4.35
Cut Parts: N/A

PLANMF168

RC Sports



Miss Cassy

Free plan with purchase of Model Flyer Magazine
Issue: Dec-05 Designer: Peter Miller Power: 0.25

Plan: £4.35
Cut Parts: N/A

PLANMF167

RC Sports



Delta Cat

Free plan with purchase of Model Flyer Magazine
Issue: Sep-05 Designer: A Francey Power: Delta
glider

Plan: £4.35
Cut Parts: N/A

PLANMF161

RC Sports



Banzai

Free plan with purchase of Model Flyer Magazine
Issue: May-05 Designer: J Rutter Power: 400
brushless

Plan: £4.35
Cut Parts: N/A

PLANMF156

RC Sports



Foamenezer

Free plan with purchase of Model Flyer Magazine
Issue: Aug-07 Designer: B Striegler Power: EP
Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF199

RC Sports



EP Coupe

Free plan with purchase of Model Flyer Magazine
Issue: Jun-09 Designer: A J Reid Power: EP
Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF230

RC Sports



Parkviggen

Free plan with purchase of Model Flyer Magazine
Issue: Sep-11 Designer: J Simpson Power: EDF
Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF259

RC Sports



Vampire

Free plan with purchase of Model Flyer Magazine
Issue: Nov-06 Designer: J & M Watters Power: EDF
Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF186

Free Flight Scale



Chrislea Super Ace

Free plan with purchase of Model Flyer Magazine
Issue: May-00 Designer: D Reace Power: C02/
KPO2MF 20

Plan: £4.35
Cut Parts: N/A

PLANMF16

Free Flight Scale



Brandenburg C1

Free plan with purchase of Model Flyer Magazine
Issue: Mar-00 Designer: W Dennis Power: .75cc

Plan: £4.35
Cut Parts: N/A

PLANMF8

Free Flight Scale



Gee Bee

Free plan with purchase of Model Flyer Magazine
Issue: Dec-99 Designer: D Ridgway Power: 0.01

Plan: £4.35
Cut Parts: N/A

PLANMF2

Free Flight Scale



Mig 15

Free plan with purchase of Model Flyer Magazine
Issue: Mar-01 Designer: D Deadman Power: Rapier
L2/L3

Plan: £4.35
Cut Parts: N/A

PLANMF46

Free Flight Scale



Breuget 530

Free plan with purchase of Model Flyer Magazine
Issue: Sep-00 Designer: J McShea Power: KP00

Plan: £4.35
Cut Parts: N/A

PLANMF29

Free Flight Scale



Hurricane

Free plan with purchase of Model Flyer Magazine
Issue: Jul-00 Designer: D Vaughan Power: C02

Plan: £4.35
Cut Parts: N/A

PLANMF23

Free Flight Scale



Spitfire

Free plan with purchase of Model Flyer Magazine
Issue: Jul-00 Designer: D Vaughan Power: C02

Plan: £4.35
Cut Parts: N/A

PLANMF22

Free Flight Scale



REP Hydroplane

Free plan with purchase of Model Flyer Magazine
Issue: Nov-01 Designer: L Koutny Power: rubber
Reduced

Plan: £4.35
Cut Parts: N/A

PLANMF69

Free Flight Scale



Miles M52

Free plan with purchase of Model Flyer Magazine
Issue: Jun-01 Designer: R Crossley Power: Rapier L2

Plan: £4.35
Cut Parts: N/A

PLANMF55

Free Flight Scale



PSW 4

Free plan with purchase of Model Flyer Magazine Issue:
Jun-02 Designer: T Hayward-Brown Power: rubber

Plan: £4.35
Cut Parts: N/A

PLANMF87

Free Flight Scale



Doodlebug

Free plan with purchase of Model Flyer Magazine
Issue: Feb-02 Designer: R Crossley Power: Rapier L2

Plan: £4.35
Cut Parts: N/A

PLANMF77

Free Flight Scale



Hollandair Libel

Free plan with purchase of Model Flyer Magazine
Issue: Jan-02 Designer: R Malmstr

Plan: £4.35
Cut Parts: N/A

PLANMF73

Free Flight Scale



Arsenal VG39

Free plan with purchase of Model Flyer Magazine
Issue: Aug-02 Designer: L Koutny Power: rubber

Plan: £4.35
Cut Parts: N/A

PLANMF93

Free Flight Scale



Miss Ashley 2

Free plan with purchase of Model Flyer Magazine
Issue: Jul-02 Designer: J Norfolk Power: rubber

Plan: £4.35
Cut Parts: N/A

PLANMF91

Free Flight Scale



Me1106

Free plan with purchase of Model Flyer Magazine
Issue: Nov-02 Designer: R Crossley Power: Rapier L2

Plan: £4.35
Cut Parts: N/A

PLANMF97

Free Flight Scale



Thunderbreak

Free plan with purchase of Model Flyer Magazine
Issue: Mar-03 Designer: D Deadman Power: Rapier L2

Plan: £4.35
Cut Parts: N/A

PLANMF106

Free Flight Scale



Avro Avian

Free plan with purchase of Model Flyer Magazine
Issue: Apr-03 Designer: D Deadman Power: C02

Plan: £4.35
Cut Parts: N/A

PLANMF107

Free Flight Scale



MIF 1-270

Free plan with purchase of Model Flyer Magazine
Issue: Sep-03 Designer: R Crossley Power: Rapier 2

Plan: £4.35
Cut Parts: N/A

PLANMF119

Free Flight Scale



Nieuport 11

Free plan with purchase of Model Flyer Magazine
Issue: Aug-03 Designer: D Deadman Power: C02

Plan: £4.35
Cut Parts: N/A

PLANMF117a

Free Flight Scale



YAK 3

Free plan with purchase of Model Flyer Magazine
Issue: Jul-03 Designer: L Koutny Power: rubber

Plan: £4.35
Cut Parts: N/A

PLANMF115

Free Flight Scale



Saraband

Free plan with purchase of Model Flyer Magazine
Issue: Mar-05 Designer: E Marsden Power: .049 (x2)

Plan: £4.35
Cut Parts: N/A

PLANMF150

Free Flight Scale



Strosser

Free plan with purchase of Model Flyer Magazine
Issue: Feb-05 Designer: I Garrett Power: rubber

Plan: £4.35

Cut Parts: N/A

PLANMF149

Free Flight Scale



Zlin Raven

Free plan with purchase of Model Flyer Magazine
Issue: Dec-03 Designer: L Koutny Power: rubber twin

Plan: £4.35

Cut Parts: N/A

PLANMF124

Free Flight Scale



Schleicher Ka8

Free plan with purchase of Model Flyer Magazine
Issue: Jun-05 Designer: D Ridgway Power: glider
Reduced

Plan: £4.35

Cut Parts: N/A

PLANMF157

Free Flight Scale



Ohka Kamikaze

Free plan with purchase of Model Flyer Magazine
Issue: Jun-06 Designer: S Bage Power: Rapier L2

Plan: £4.35

Cut Parts: N/A

PLANMF180

Free Flight Scale



Mig 25

Free plan with purchase of Model Flyer Magazine
Issue: Feb-06 Designer: C Richards Power: mini EDF

Plan: £4.35

Cut Parts: N/A

PLANMF172

Free Flight Scale



Beech Skipper

Free plan with purchase of Model Flyer Magazine
Issue: Aug-05 Designer: D Ridgway Power: CO2

Plan: £4.35

Cut Parts: N/A

PLANMF159

Free Flight Ebenezer



Pipernezer

Free plan with purchase of Model Flyer Magazine Issue:
May-12 Designer: David Boddington

Plan: £4.35

Cut Parts: N/A

PLANMF270

Free Flight Ebenezer



Polikarpov

Free plan with purchase of Model Flyer Magazine
Issue: Dec-01 Designer: C Richards Type: Gull wing
bipe

Plan: £4.35

Cut Parts: N/A

PLANMF71

Free Flight Ebenezer



PZL P24

Free plan with purchase of Model Flyer Magazine
Issue: Feb-01 Designer: P Sanger Type: Gull wing
fighter

Plan: £4.35

Cut Parts: N/A

PLANMF40

Free Flight Ebenezer



PZL

Free plan with purchase of Model Flyer Magazine
Issue: Apr-03 Designer: Boddo Type: Gull wing fighter

Plan: £4.35
Cut Parts: N/A

PLANMF108

Free Flight Ebenezer



Stearmanezzer

Free plan with purchase of Model Flyer Magazine
Issue: Feb-04 Designer: K Osborne Type: Biplane

Plan: £4.35
Cut Parts: N/A

PLANMF127

Free Flight Ebenezer



Stukanezer

Free plan with purchase of Model Flyer Magazine
Issue: Oct-03 Designer: S White Type: Ju87

Plan: £4.35
Cut Parts: N/A

PLANMF120

Free Flight Ebenezer



Catanezer

Free plan with purchase of Model Flyer Magazine
Issue: Apr-04 Designer: E Holland Type: Catalina twin

Plan: £4.35
Cut Parts: N/A

PLANMF133

Free Flight Ebenezer



Stampenezzer

Free plan with purchase of Model Flyer Magazine
Issue: Feb-05 Designer: Boddo Type: Biplane

Plan: £4.35
Cut Parts: N/A

PLANMF148

Free Flight Ebenezer



The Champ

Free plan with purchase of Model Flyer Magazine
Issue: Aug-04 Designer: Gray Type: CL trainer

Plan: £4.35
Cut Parts: N/A

PLANMF141

Free Flight Ebenezer



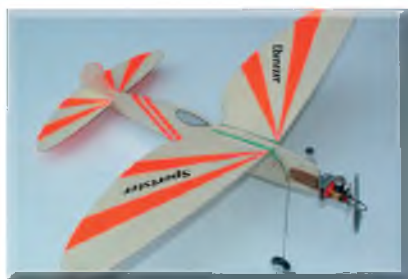
Ebearnezer

Free plan with purchase of Model Flyer Magazine
Issue: Mar-05 Designer: H Purser Type: Grumman Bearcat

Plan: £4.35
Cut Parts: N/A

PLANMF153

Free Flight Ebenezer



Sports

Free plan with purchase of Model Flyer Magazine
Issue: Jan-06 Designer: D Ridgway Type: Monoplane

Plan: £4.35
Cut Parts: N/A

PLANMF171

Free Flight Ebenezer



Vampenezzer

Free plan with purchase of Model Flyer Magazine
Issue: Apr-05 Designer: Boddo Type: DH Vampire

Plan: £4.35
Cut Parts: N/A

PLANMF154

Free Flight Ebenezer



Furzynezer

Free plan with purchase of Model Flyer Magazine Issue: Mar-06 Designer: C Coote Type: Hawker Fury bipe

Plan: £4.35
Cut Parts: N/A

PLANMF174

Free Flight Ebenezer



Pawnezer

Free plan with purchase of Model Flyer Magazine Issue: May-06 Designer: F Taylor Type: Crop Duster

Plan: £4.35
Cut Parts: N/A

PLANMF178

Free Flight Ebenezer



Rutanezer

Free plan with purchase of Model Flyer Magazine Issue: Apr-07 Designer: J Kay Type: Spaceship One

Plan: £4.35
Cut Parts: N/A

PLANMF192

Free Flight Ebenezer



Sputnik

Free plan with purchase of Model Flyer Magazine Issue: Sep-06 Designer: G Evans Type: Satellite

Plan: £4.35
Cut Parts: N/A

PLANMF183

Free Flight Ebenezer



Opticanezer

Free plan with purchase of Model Flyer Magazine Issue: Dec-07 Designer: G Evans Type: pod and twin boom

Plan: £4.35
Cut Parts: N/A

PLANMF203

Free Flight Ebenezer



Doranezer

Free plan with purchase of Model Flyer Magazine Issue: May-07 Designer: R Smith Type: Focke Wulf 190D

Plan: £4.35
Cut Parts: N/A

PLANMF193

Free Flight Ebenezer



Easzynezer

Free plan with purchase of Model Flyer Magazine Issue: Mar-08 Designer: Boddo Type: Parasol original

Plan: £4.35
Cut Parts: N/A

PLANMF209

Free Flight Ebenezer



Spitzenezer

Free plan with purchase of Model Flyer Magazine Issue: Jun-08 Designer: P Burroughs Type: Spitfire

Plan: £4.35
Cut Parts: N/A

PLANMF214

Free Flight Ebenezer



Fiatnezer

Free plan with purchase of Model Flyer Magazine
Issue: Apr-08 Designer: R Smith Type: Fiat G202

Plan: £4.35
Cut Parts: N/A

PLANMF221

Free Flight Ebenezer



Tonezer

Free plan with purchase of Model Flyer Magazine
Issue: Apr-09 Designer: R Smith Type: Kawasaki

Plan: £4.35
Cut Parts: N/A

PLANMF226

Free Flight Ebenezer



Dewoitnezer

Free plan with purchase of Model Flyer Magazine
Issue: Sep-10 Designer: R Smith Type: Dewoitine 520 EP

Plan: £4.35
Cut Parts: N/A

PLANMF246

Free Flight Ebenezer



Colibrinezer

Free plan with purchase of Model Flyer Magazine
Issue: May-10 Designer: Boddo Type: Leopoldoff bipe

Plan: £4.35
Cut Parts: N/A

PLANMF243

Free Flight Ebenezer



LN 40nezer

Free plan with purchase of Model Flyer Magazine
Issue: Jan-10 Designer: R Smith Type: Loire Nieuport LN40

Plan: £4.35
Cut Parts: N/A

PLANMF237

Free Flight Ebenezer



Spitzenezer

Free plan with purchase of Model Flyer Magazine
Issue: May-11 Designer: R Smith Type: Spit Mk. XIV

Plan: £4.35
Cut Parts: N/A

PLANMF252

Free Flight Ebenezer



WeeSniftenezer

Free plan with purchase of Model Flyer Magazine
Issue: Dec-10 Designer: R Smith Type: Nostalgieanezer

Plan: £4.35
Cut Parts: N/A

PLANMF248

Free Flight Ebenezer



Mercurian Mite

Free plan with purchase of Model Flyer Magazine
Issue: Jan-12 Designer: R Malmstrom Type: CL spaceship

Plan: £4.35
Cut Parts: N/A

PLANMF264

Free Flight Ebenezer



Vulcanezer

Free plan with purchase of Model Flyer Magazine
Issue: Nov-11 Designer: R Smith Type: Avro Vulcan

Plan: £4.35
Cut Parts: N/A

PLANMF261

Free Flight Ebenezer



Rascalnezer

Free plan with purchase of Model Flyer Magazine
Issue: Jan-12 Designer: R Smith Type: CL Rascal
Stunter

Plan: £4.35
Cut Parts: N/A

PLANMF265

Free Flight Ebenezer



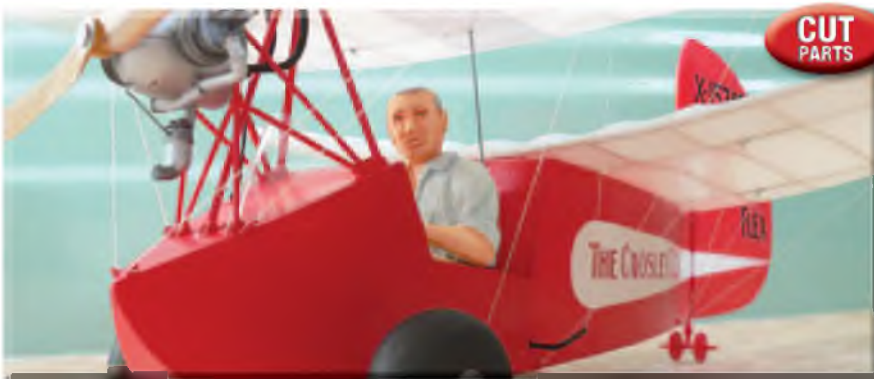
Hurricatnezer

Free plan with purchase of Model Flyer Magazine
Issue: Mar-12 Designer: R Smith Type: Hawker
Hurricane

Plan: £4.35
Cut Parts: N/A

PLANMF268

Indoor RC and Free Flight



Flying Flea

Free 22" plan with purchase of Model Flyer Magazine Issues: April-13 and May-13 Designer: Richard Crossley
Power: EP

Plan: £4.35 **Cut Parts:** £22.00

PLANMF284

Indoor RC and Free Flight



Space Invader

Free plan with purchase of Model Flyer Magazine
Issue: June-12 Designer: Gareth Evans Power: EP
Flider

Plan: £4.35
Cut Parts: N/A

PLANMF272

Indoor RC and Free Flight



Swift

Free plan with purchase of Model Flyer Magazine Issue:
Jan-00 Designer: D Ridgway Power: rubber FF

Plan: £4.35
Cut Parts: N/A

PLANMF5

Indoor RC and Free Flight



Bleriot

Free plan with purchase of Model Flyer Magazine
Issue: Apr-02 Designer: J Ralph Power: KP01 FF

Plan: £4.35
Cut Parts: N/A

PLANMF82

Indoor RC and Free Flight



Avro Avis

Free plan with purchase of Model Flyer Magazine
Issue: May-01 Designer: D Deadman Power: C02 FF

Plan: £4.35
Cut Parts: N/A

PLANMF52

RC Scale IC and Electric



Bruce Tailless

Free plan with purchase of Model Flyer Magazine
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FF

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PLANMF41

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EP RC

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RC Scale IC and Electric



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PLANMF126

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PLANMF132

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PLANMF131

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PLANMF207

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Garden-Baynes Bee

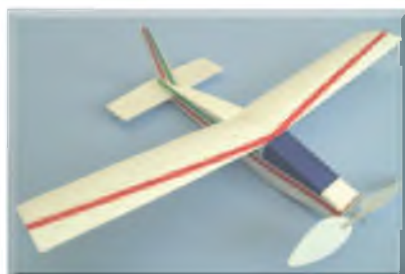
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PLANMF225

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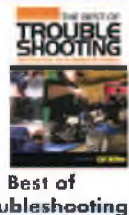
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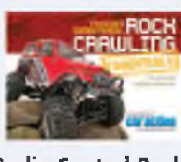
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