Best of

COMPILED BY DAVE LINSTRUM 1994

THE HANGAR PILOT

VOL 5: 1992-93

A 1993 READER SURVEY BY EDITOR DOC MARTIN SHOWS PREFERENCE FOR PLANS, SCALE DOCS, HOW-TO AND FUNKY FORMAT: DOC'S LOTECH DESKTOP PUBLISHING METHODS IN USE SINCE 1971!

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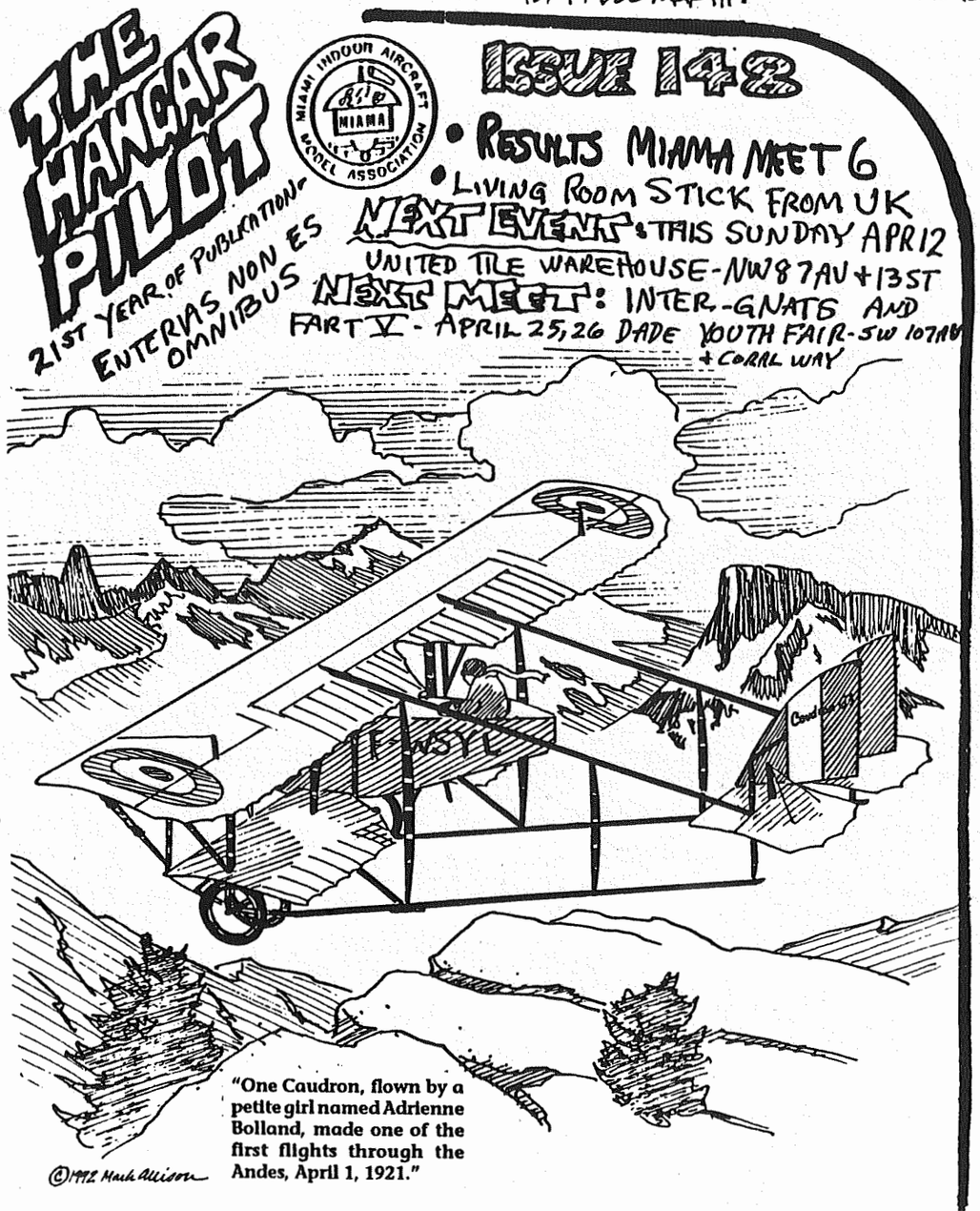
AND "DOC" SAYS THERE IS MORE GREAT STUFF TO FILL A VOL 6 — WE WILL SEE...

VOLUME UNBOUND TO EASE COPYING PLANS!

Best of the HANGAR PILOT

VOL 5: 1992-93

COVER 90% TRUE SIZE ARTIST: MARK ALLISON
TEXT: DOC MARTIN



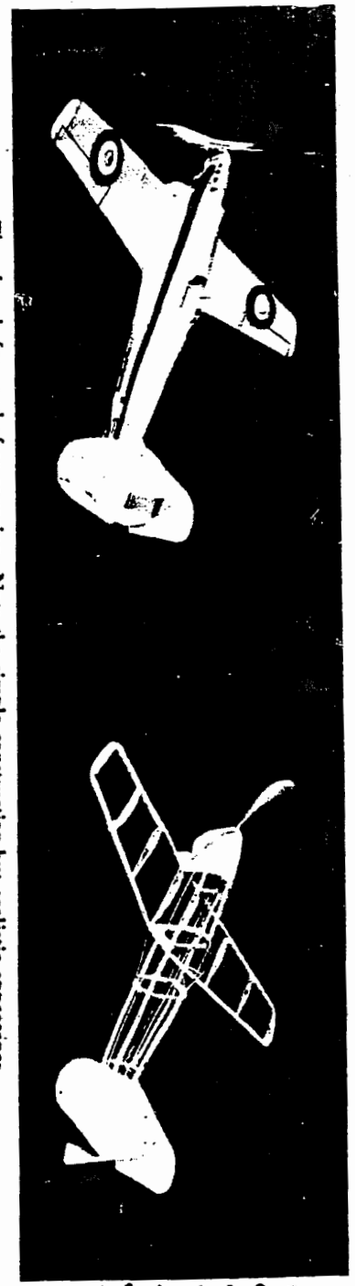
"One Caudron, flown by a petite girl named Adrienne Bolland, made one of the first flights through the Andes, April 1, 1921."

BEST OF THE HANGAR PILOT VOL 5 1992-93

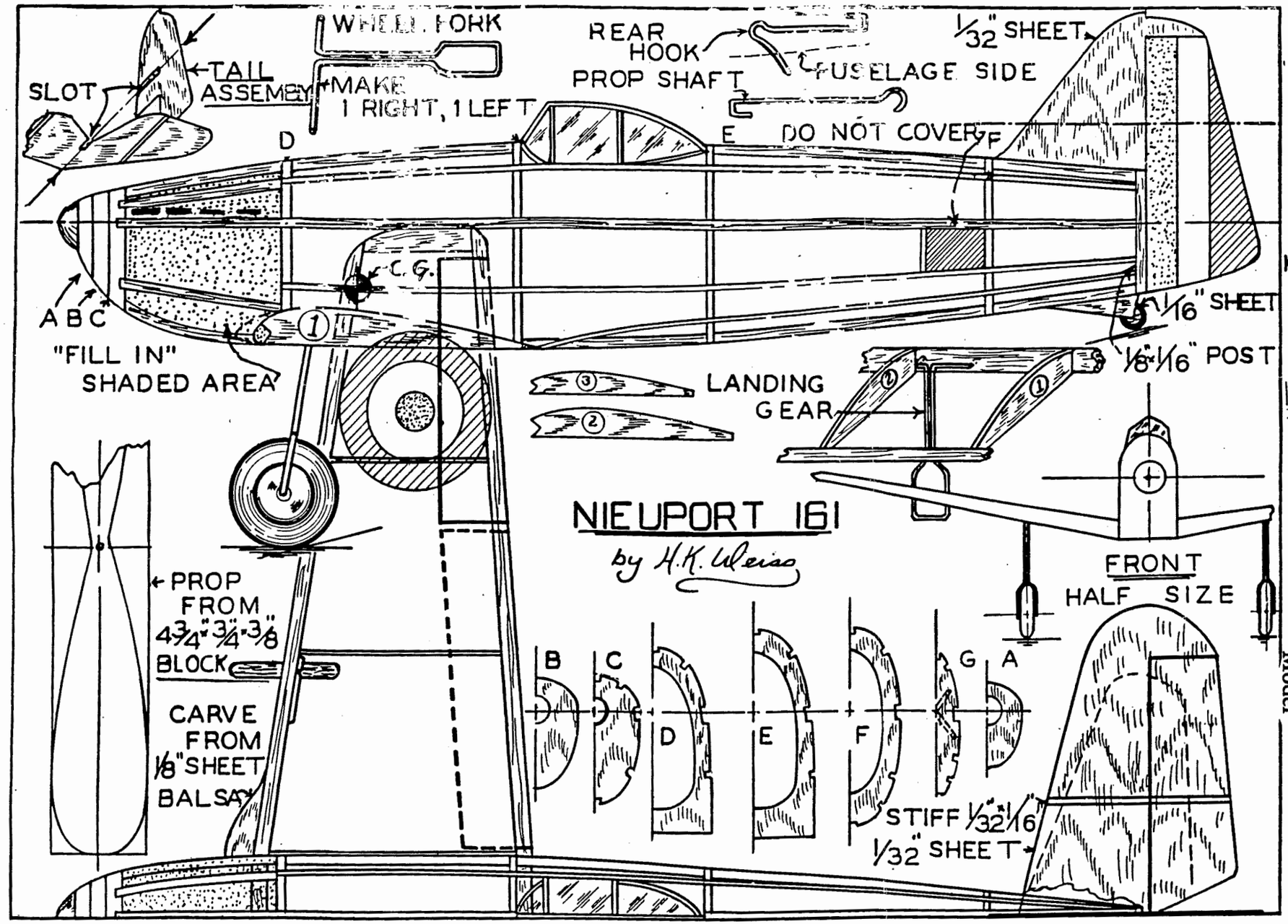
1938 ANCESTOR OF PEANUT SCALE: HERBERT K. WEISS

Build A Minute Model of the Nieuport 161

A Realistic Plane Easily Built by the Novice in Half the Time Required to Build the Regular Type of Flying Scale Model



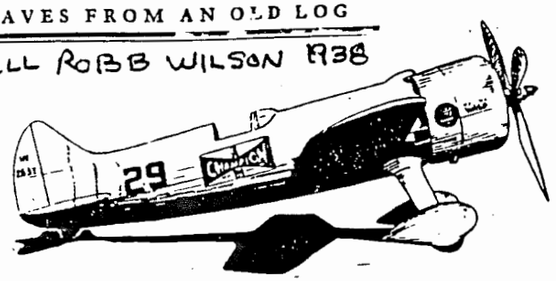
The plane before and after covering. Note the simple construction but realistic appearance.



ISSUE 140

REPRINT FROM JUNE 1938 MODEL AIRPLANE NEWS

GILL ROBB WILSON 1938



RACE GEAR

A saddle on a motor
Burnin' dynamite for gas,
As little liftin' surface
As will hike it off the grass,
A thousand roweled horses
With a feather for a girth
Three hundred miles an hour
Fifty feet above the earth!

The breed o' man who rides 'em
Is an optimistic guy
With magic in his fingers
And a telescopic eye,
A throttle bendin' genius
With 'is neck upon 'is nose,
His nervous system sweetened
With intestinal repose.

An autumn day of shadows
With the wind across the lake,
A bonus for a record
And a fortune for a stake;
But hell is in the makin'
And the devil sets the pace
When they tangle out at Cleveland
In the Thompson Trophy Race!

ISSUE 139

THE BENDIX

Stabbin' exhausts in the morning,
Hangars at Burbank a'glow,
Fog rollin' in from the ocean,
Mechanics warmin' 'em slow,
Everyone wishing each other
Luck for the get-away climb,
And this is the race o' races
In speed and distance and time!

Spannin' the continent east'ard,
A'raisin' the Jersey shore,
Take all the gas you can carry,
Wish you could carry some more,
Ponder the tape for the latest
Temperature, dew point and glass,
Learnin' its instrument flyin',
Wonderin' when it will pass!

Always there's weather to battle,
Thunderheads crownin' the peaks,
Satan presides in the cockpit,
Static and headache and leaks,
Wind changes no one can tell you,
No place to land if she cuts,
And what you need for the Bendix
Is inexhaustible "guts!"

Nobody's luck of a minute
Can hurdle the nation's chest!
Only by bringing together
Elements worthy o' test,
The pilot, ship and the motor,
Radio, compass and fuel
Blended to finish or perish
Seeking the ultimate goal!

DID YOU KNOW—THAT WAIT MOONEY WAS A POET...

GILL ROBB WILSON 1938

THE BROKEN MODEL

Will you have a place just here, sir?
Dusk falls soon these autumn nights:
We can watch the small ships hurry
To get home without their lights
And the big ones with the lanterns
In their wings....like railroad trains:
Yes, I've flown them all, I reckon:
Have they any future? Planes!
That's what you came here to ask me?
Oh, I see! Well! That explains!

Have an old time pilot coach you
How to answer when your son
Hands you proudly up the model
Of the aircraft he has done:
Feel you might direct his future
By the dreams that fill his mind:
But you have no childhood matching
Such experience in kind,
So your lips are sealed by loving
Lest the blind should lead the blind?

Well....this body scarce can answer
As these scars must testify
For I've blundered my full share, sir,
Through the years upon the sky
And great wealth is not the magnet
For the air is still frontier
And my name is only known, sir,
As an old time pioneer
Who will some day lose his rating
On the ships and disappear.

ISSUE 140

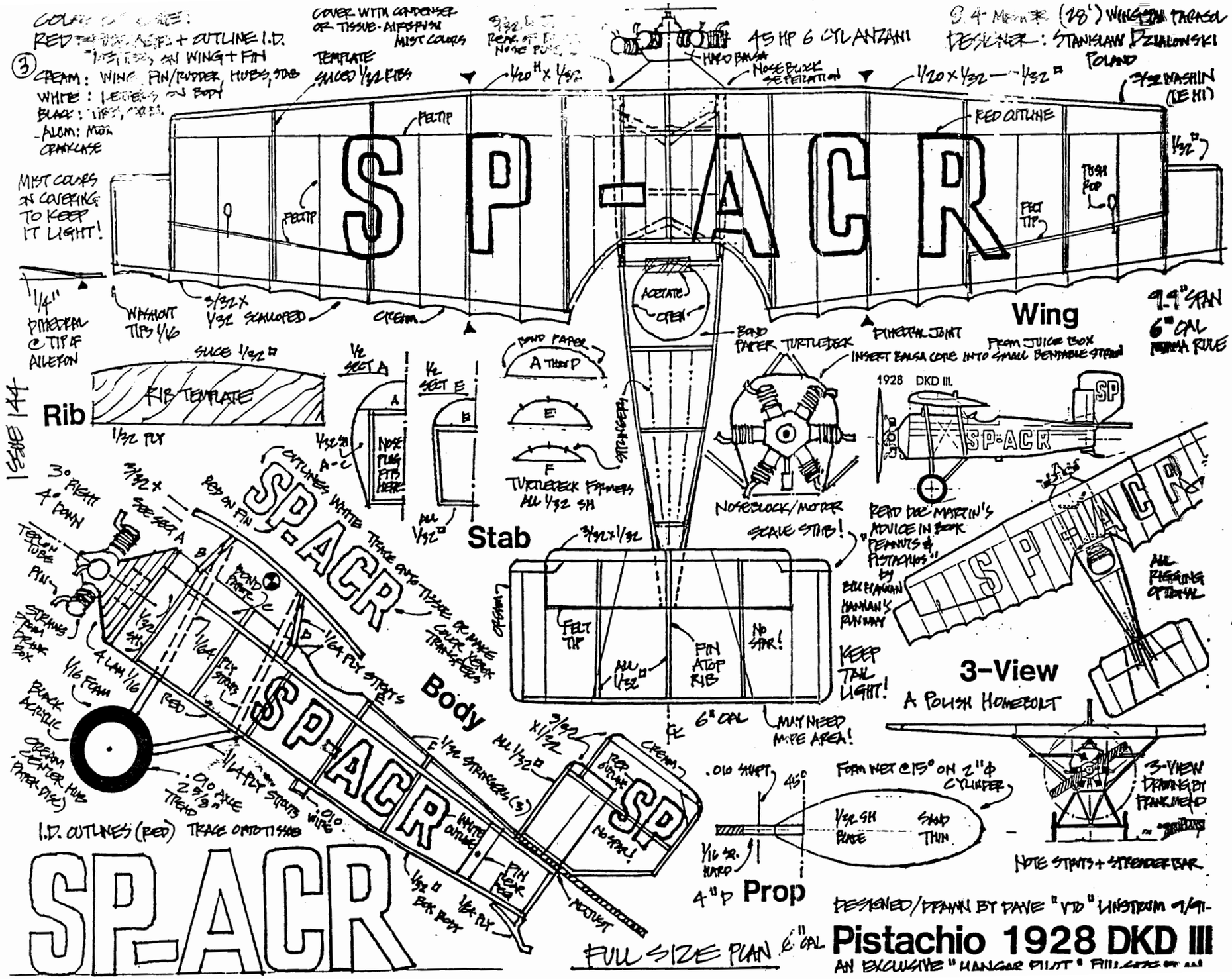
KEEP FLYIN'

When your hands are full o' gimmicks
With no altitude to spare,
And the tac revvs back to nothing
So you have to land somewhere
It's important to remember
That experience has found
Healthy pilots never let 'em
Get their noses in the ground.

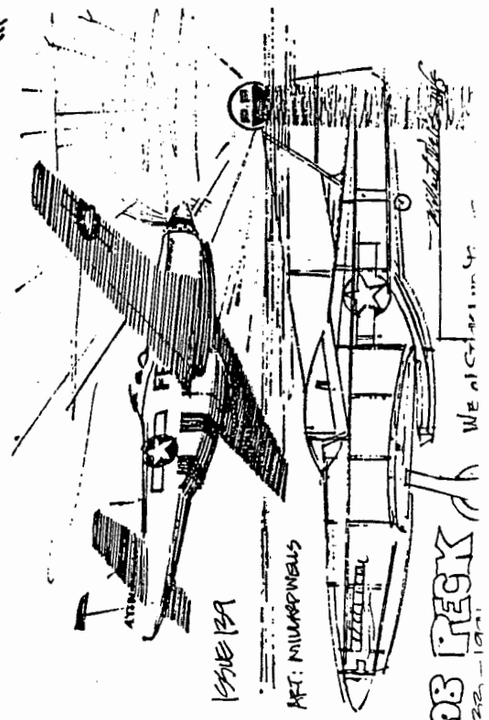
Sittin' down is fairly simple
When the prop won't turn at all
If you tip 'er just a wee bit
To assure she doesn't stall:
Form your plan and then stick to it!
Indecision's never sound!
But whatever else you fail at
Keep your nose out of the ground!

You can fly her through a privvy
Or an orchard or a fence,
And the only thing it costs you
Is the dollars and the cents:
You can set 'er short or over
And you're far from being crowned
If you only have the sense to
Keep your nose out of the ground.

Hit a sign board or a building,
Smack a goal post or a tent,
And you'll walk away from that one
When the owner gives consent;
But if you've a blond to love you
And would like to stick around
Let a brunette's husband warn you
Keep your nose out of the ground!


SP-ACR
Wing
Rib
Stab
Body
Prop
3-View
Pistachio 1928 DKD III
45 HP 6 CYL ANZANI
9.4 METER (28') WING SPAN PARASOL
DESIGNER: STANISLAW DZIALOWSKI POLAND
9.9" SPAN
6" CAL
FULL SIZE PLAN
DESIGNED/DRAWN BY DAVE "VID" LINSTROM 7/91
AN EXCLUSIVE "HANGAR PILOT"
1928 DKD III.
A POLISH HOMEBOLT
3-VIEW DRAWING BY FRANK MEAD
ISSUE 144





Pistachio 1918 Armstrong Whitworth Armadillo

"CAL MIAMA RULE 9.3" SPAN WWI EXCLUSIVE POWERED USER FULL SIZE THAN TAKE "VTD" LINSTRUM 10/91

BRITISH EXPERIMENTAL SCALE 1½" ONE BUILT (MIAMA '91)

½B TEMPLATE

START LE LOWER WING — TE TOP WING — ENTIRE COVER REMOVEABLE NC BLOCK — TARGET WT 2.5g 1-6 LB BALSA — START TIP.

WET FOAM TIPS

TOP

HARD 1/32 SHEET

BUTT JOINT TOP + BOTTOM SEE SIDE VIEW

V½2 SH GUSSETS

POWDEL TOP WING ONLY

POWDEL

FELT TIP

ALL 1/32" SLICE RIBS

FELT TIP

5" SPAN

TOP

LOWER Z

OPEN COCKPIT

ALL 1/32"

ALL 1/32"

TEFLON TUBE BEARING

LAMINATE ½20 SH X GRAIN

NOTE SMALL NOTCH LOWER WING

Foto + 3-View

THANK TO BILL HANNAN

SEE TAIL Roundels WING

BOX BODY HATCHED

BODY

FOAM

PIN

SPAN 27.9"

A

B

BUTT WING

STRIP CARD STRUT

½" FOAM PAINT TIRE BLACK ACRYLIC

TOP ONLY

BLUE WHITE BLUE

WHITE BLUE

Colours OVERALL:

NOSEBLOCK SEPERATION

OPEN

NOTE STAB IS INSERT

ALL 1/32"

FELT TIP

SCALE

KEEP TAIL LIGHT!

STRUT + SPREADER ½ SH PLY

WET FOAM

STEP

GEAR

WET FOAM

NOSEBLOCK IS A-A

SEE X ON WING

BOTT "BOX" HATCHED

POWDEL

SIDE

BUTT WING TO BODY

B-B

½ SECT

HARD 1/32 SH NOSE

C-C

3/16

3/32 STRIP CARD STOCK STRUTS

PROP

4" D

TOOTH PICK HUBS

OLD SHEET AS PITCH

FIN BEAM

NOSE

SECTION A-A SHOWN NOSEBLOCK

PEGGING OPTIONAL!

SLIT TISSUE FOR STAB

ADJUST STABS FOR TRIM

WHITE I.P.

X-19

METAL

BLUE

WHITE

Tail RED

FRONT

COVER TOP ONLY WINGS + STAB COVER WITH JAP TISSUE OR CONDENSER PAPER PRE-SHRINK AIRBRUSH ON FRAME WITH ACRYLIC COLOR LIGHT MIST!

3/16 DIHEDRAL BOTH WINGS

ALL 1/32"

SCALE

WET FOAM

THRUST: .040 RT TAN

LE

½32 SH FOAM IN 2.5" CTL

TE

1/64 RT

ISSUE 144

HAVE NOTHING TO FLY AT THE KING ORANGE?

HERE'S YOUR EVENT:

MIAMA/KOI STECIAL DELTA DART EVENT

A RE-RUN OF EVENT HELD AT USIC TO BENEFIT FAI F/F JUNIOR TEAM SEE OCT '91 MA "INDOOR NEWS" REPORT

SPONSOR: DAVE "VTD" LINSTRUM

1ST PRIZE: HIS STASH OF TIRELLI

FORMAT: FLYING BOTH DAYS KOI. YOU MUST OBTAIN KIT FROM SPONSOR AT CONTEST, BUILD IT & FLY IT IN THIS PERIOD. MODELS BUILT IN ADVANCE WILL NOT BE ELIGIBLE TO FLY.

MATERIALS: YOU MUST USE 8½ x 11 PREPRINTED KIT COVERING AND PLASTIC PROP + BEARING (OK TO TWIST IN PITCH, OTHERWISE YOU MAY USE ANY MATERIAL YOU CHOOSE: YOUR BEST WOOD, ROLLED MOTOR STICK, WHATEVER. ALSO ANY RUBBER YOU CHOOSE

DESIGN RULES:

THE KIT COVERING MAY BE USED. ANY CRAZY-QUILT PATTERN YOU WISH. YOUR SURFACES DO NOT HAVE TO MATCH THE DELTA DART SIZE + SHAPE PRINTED ON COVERING. NO BIPLANES!

THE PROJECTED AREA OF SURFACE MUST BE SAME AS THE KIT. THIS WILL BE VERIFIED DURING PROCESSING.

THE OVERALL LENGTH OF MODEL MUST BE SAME AS KIT, EVEN THO YOU DO NOT USE SOLID KIT MOTOR STICK.

ANY CONFIGURATION, SUCH AS PARASOL WING, FLYING WING, PUSHER ETC. PERMITTED. CREATIVITY + IMAGINATION IS ENCOURAGED!

ENTRY: $1 PER KIT, $5 DONATION TO FAI JUNIOR FUND

ENTRY POSSIBLE AT 9 AM 1ST DAY OF KOI

BENEFITS: AMA FAI FREE FLIGHT JUNIOR FUND.

BUILD YOUR ENTRY AT THE MEET - 2 HRS, TOPS!

CONFIRM MEET ON DEC. 2

305-858-6363

NOT FULL SIZE - ENLARGE TO 16" SPAN COMET 10¢ SCALE 1946 MB

CUT FROM PLAN

C 2 REQUIRED

1/16 SQ. LEADING EDGE

B

BUILD WING DIRECTLY OVER PLAN.

A

PUT IN DIHEDRAL AT THESE POINTS

1/16" SQ. CENTER SPAR

A B B C

W-5

PLAN

WING LIGHT POSITION

W-6

CUT LICENSE LETTERS FROM PLAN & STICK IN PLACE ON WING

W-7

1/2" DIHEDRAL

W-8

RIB-C 2 REQUIRED

W-2

W-3

W-4

40

CUT NUMBERS FROM PLAN AND PLACE IN POSITION SHOWN ON WING

RIB B 4 REQUIRED

AILERONS & FLAPS DENOTED BY PLAN BORDERLINE

1/16 SQ. TRAILING EDGE

RIB A 2 REQUIRED

COVER WING ON TOP ONLY

PUT IN DIHEDRAL AT THESE POINTS

NR273Y

FUSELAGE SPACER LENGTHS ARE SHOWN ABOVE FORMER OUTLINES

3B

LANDING STRUTS FIT IN NOTCHES

4B

5B

6B

7B

8B

CUT INSTRUMENT PANEL FROM PLAN & GLUE TO FORMER-2T.

NOTE: ALL STRUTS STRINGERS AND LONGERON'S ARE 1/16 SQ. BALSA.

2T

2S

MULTIPLY ANY LENGTH CALLOUT BY .82 PINK

2S

2B

COLOR SCHEME ENTIRE MODEL WHITE. NUMERALS ARE BLACK

CUTTING HOLE IN NOSEBLOCK

PENCIL

CUT MOTOR FROM PLAN & GLUE TO B. THEN GLUE A OVER IT

15/16" LONG

PITOT TUBE

4 11/16" LONG

THREAD BRACE WIRE

RUDDER

POSITION OF THREAD BRACE WIRE

E-2

E-3

E-4

E-5

E-6

ELEVATOR IS BUILT IN ONE PIECE OVER PLAN.

1/16 SQ. BALSA

BUILD RUDDER OVER PLAN

R-1

NOTE RUDDER IS GLUED ON FUSELAGE AFTER ELEVATOR IS IN SLOT

1/16 SQ. BALSA

PLAN BORDER LINE

R-2

THREAD BRACE WIRE

CUT INSIGNIA FROM PLAN & STICK IN PLACE

ELEVATOR

WINDSHIELD PATTERN

1/16" SQ. LONGERON

ASSEMBLE ENTIRE MODEL BEFORE SPRAYING WITH WATER TO PREVENT WARPING.

PITOT TUBE MADE OF BENT PIN

CUT LOUVERS FROM PLAN AND STICK TO PLANE SIDES AS SHOWN

PROPELLER

FRONT VIEW 1/2 SIZE

2 1/16" LONG

3-3/4"

CUT LICENSE NUMBERS FROM PLAN & GLUE TO FUSELAGE SIDES

40

USE CELLOPHANE FROM GUM WRAPPER FOR WINDOW

NOTE: ALL STRINGERS NOT SHOWN TO AVOID CONFUSION.

CUT FROM PRINTED SHEET

DOOR HANDLE

PIN DOTS

GULF

MISTER MULLIGAN

1/16 SQ. BALSA

8B

7B

6B

1/16 SQ. STRINGERS. BUTT JOINTED HERE

DOOR OUTLINE ON RIGHT SIDE OF FUSELAGE ONLY

3B

BUILD LANDING STRUT USING ACTUAL LENGTHS BELOW

1B

2T

1T

B

40

CUT NUMBERS & INSIGNIA FROM PLAN & STICK IN PLACE AS SHOWN. BEN HOWARD'S FAMOUS RECORD BREAKING PLANE. IT IS CAPABLE OF ATTAINING A SPEED OF 292 M.P.H.

R-3

RUBBER

PIN

MOTOR MOUNT DETAIL

CUT RUDDER LIGHTS FROM PLAN & STICK TO RUDDER SIDES

STREAMLINE PANTS AS SHOWN IN THIS TOP VIEW

5B

4B

STREAMLINED HOUSING

1" 15/16" LONG

2-3/8" LONG

2B

CUT FROM PRINTED SHEET

LANDING STRUT FITS INTO FORMER 3B & 4B

COVER LANDING STRUTS ON BOTH SIDES

3/4" WHEEL

FOR 10¢ SCALE - ENLARGE TO 16" SPAN

STREAMLINED HOUSINGS ARE 1/16" SQ. BALSA SANDED TO STREAMLINE SHAPE AND GLUED ON COWL IN POSITIONS SHOWN

1T

1S

1S

1B

COWLING PATTERN MAY BE GLUED TO STIFF PAPER

MAKE 4 PANT SIDE PIECES OF DRAWING PAPER

HOWARD'S MR. MULLIGAN

WINGSPAN 16"	LENGTH 12-3/4"
KIT NO. A 20	SERIES FLYING
DRAWN BY [illegible]	LETTERED BY PETER J GIBA

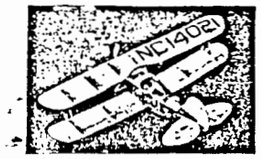
16" FLYING MODELS 10c

You will be delighted at the generous quantity of materials in these kits. There's enough to complete the models without skimping.

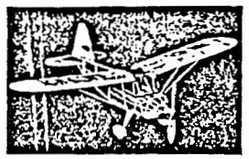
Properly chosen materials account for the sturdy construction of these models that stand up so well under the stress of repeated flights.



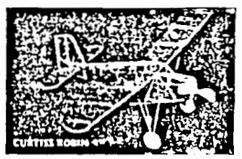
No. A21 Curtiss Hawk P-36



No. A22 Great Lakes Trainer



No. A23 Stinson 105



No. A24 Curtiss Robin



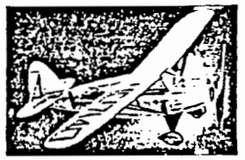
No. A25 Wartime Spad



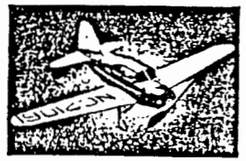
No. A26 Fokker D-7



No. A27 Monocoupe



No. A28 Rearwin Speedster

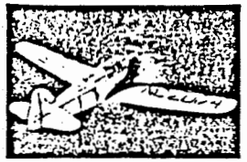


No. A29 Harlow

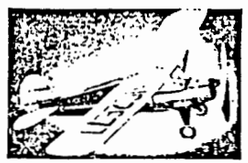
20" FLYERS 10c

LATEST WAR PLANES

These super-span models are truly "big" models. Carefully designed and so accurate in detail it's no wonder they're "tops" to the modelers' who want the best.



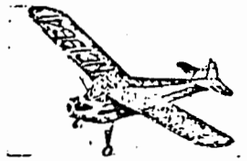
No. A30 Allied Sport



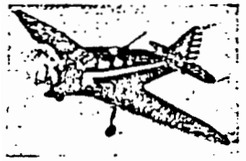
No. A31 Akron Funk



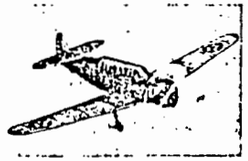
No. A32 North American



No. A33 Taylorcraft



No. A34 Spartan Fighter



No. A35 Vultee Attack

16" AUTHENTIC—REALISTIC 10c

Trim and sleek—these zippy Comet war planes are accurate in scale and realistic in appearance with true color insignia, aerial, exhausts and dummy pilot details. New, easy construction includes an automatic line up jig method, stronger wings, and a landing gear that will "take" severe landings. Flight tested by Carl Goldberg, these models proved to be exceptionally fine performers and can easily be built and successfully flown by any modeler.



Kit No. A36 Hawker Hurricane
This is a late English interceptor fighter that's proving very successful in air combat. Climbs to 20,000 ft. in 9 min. Fires 8 guns, four in each wing.



Kit No. A37 Messerschmitt
Very maneuverable, this German plane has a top speed of 350 M.P.H. Equipped with 4 machine guns and a cannon that fires through propeller hub.



Kit No. A38 Supermarine Spitfire
One of the most talked of interceptors in the R.A.F. Carries 8 to 12 machine guns, yet is considered the fastest ship in the service having a speed of 367 M.P.H.

EVERY KIT A TRUE COMET VALUE

16" FLYING MODELS 10c

SIZE

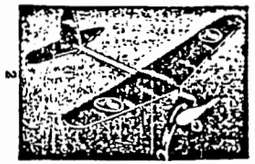
This Comet series of 16"—10c flying models gives you a real dime's worth. Every model with its big wingspan has its "extra" in value.

QUALITY

Comet's tremendous purchasing power makes the best of materials possible at a low cost to you. A very thorough checking system guarantees the model builder the highest of quality in every Comet kit.

FLYABILITY

All of these kits are made to fly. Their designers are ardent model builders. They have all won recognition in contest activities and really know how to design models that fly.



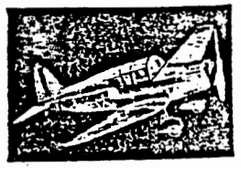
No. A1 Phantom Flash R.O.G.



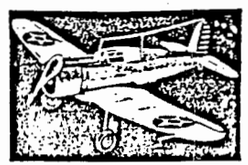
No. A2 Luscombe "50"



No. A3 Fairchild "24"



No. A4 Aeroncar



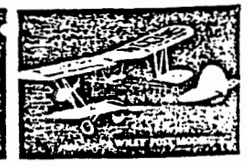
No. A5 Vought Pursuit



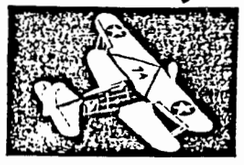
No. A6 Aeronca Seaplane



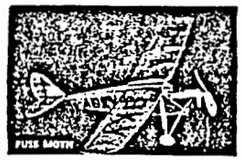
No. A7 Consolidated Trainer ST-7



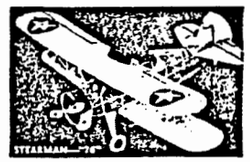
No. A8 Wiley Post Model "A"



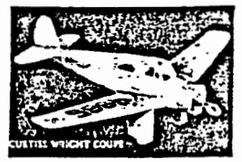
No. A9 Curtiss Hawk P6-E



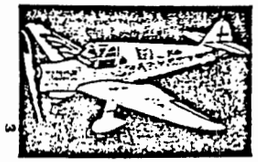
No. A10 Puss Moth



No. A11 Stearman "76"



No. A12 Curtiss Wright Coupe



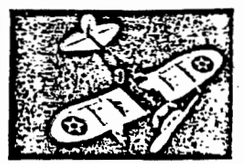
No. A13 Ryan Cabin



No. A14 Low Wing Aeronca



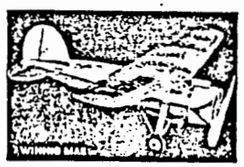
No. A15 New Taylor Cub



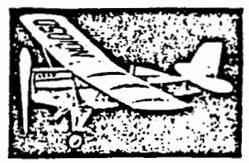
No. A16 Boeing P-26A



No. A17 Art Chester Racer



No. A18 Winnie Mae



No. A19 Corben Super Ace



No. A20 Howard's "Mr. Mulligan"

These kits contain easy to read plans that are a pleasure to work from. Many sketches clearly show all assembly details.

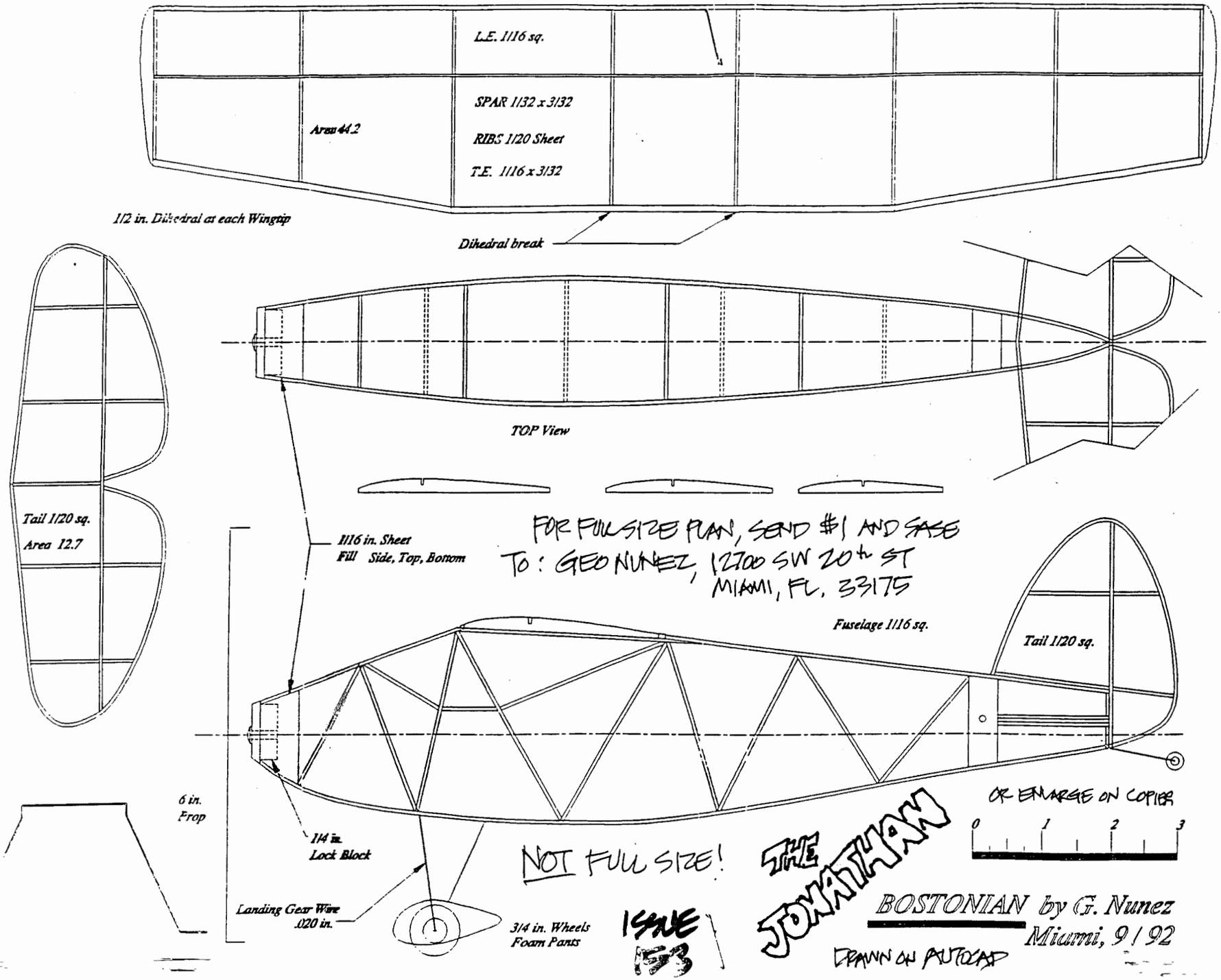
Comet kits include easier to build line up methods that assure good flyability. Build one of these kits and you'll build all.

SEE NEXT PAGE FOR MORE SENSATIONAL 10c MODELS

Modified from Bob McDow's rules as used at Columbia U, N.Y. & elsewhere.
CONSTRUCTION :Model kit had to sell for $10 in the 30,s & 40,s. Plan is submitted with model, no other documents. NO structural changes from plan except as noted below. Single or double surface according to plans.
NOTE: Keep in mind if you also want to enter these planes in FAC SCALE all surfaces MUST be double covered. Japanese tissue covering only. Color scheme and all coloring, details, and marking as shown.
MODIFICATIONS ALLOWED:
1.1/20" wood may be used instead of 1/16"
2.Tail may be enlarged.
3.Nose may be modified to provide ample removable section, and an improved thrust bearing.
4.Rear rubber attachment may be changed.
5. Stringers and tissue may be used instead of "Stiff paper" called for.
6. A spar on the bottom of a wing plan may be moved to the top of the wing.
7. Any size or type prop may be used.
MAXIMUM SPAN 16 1". Those 20" span Comet kits must be reduced.

FLYING RULES : Unlimited flights,hand launched. Total of best 3 determine score. Model type gives bonus flight seconds,per flight.:
Bonus Points..add seconds per flight. High wing..0,Parasol,1..Shoulder..2, Low..3,Mid..2½,Floatplane..5,Biplane..4,Triplane..6

MAMA 1 CL RULES 1992



ISSUE 155

The Quick Decal Caper

by Don Bartick

How neat it would be to decorate our latest creation with custom decals reflecting the bizarre imagination synonymous with free flighters. Not many of us have the skills to cut out tissue images that represent our original intent. Well, fans, life is good as long as there is a xerography copier available. Keep your eyes focused on this text because your author is going to guide you through a very simple process and once you experience it, you'll think I'm a genius and will be naming your kids (dogs, cats, squirrels) after me. Here goes...

1. Look up in your telephone directory yellow pages under the heading Artists' Materials and find the closest store. So far so good.

2. Give the store a call and ask them if they carry sheets of MACTAC or Chartpak applique film. Most likely they do or they'll tell you where to get it. GO GET IT! They come in 8.5 x 11 sheets.

3. Now create your designs on plain paper or adhere copies of artwork such as logos, typed copy or anything that will copy on a copy machine. Step 3 is complete and no brain buster, so far.

4. Now the hard part. Take your artwork and applique film to any copy place with a xerography copier (work place) and go at it. All quality copiers have single sheet feeds. So place your artwork original on the copier planter; close the cover and feed the applique film by hand. You may want to experiment with a sheet of copy paper to make sure which side copies before you waste any film ($1.00). Wow! Look what I did.

5. The film is self adhesive, so to apply just cut around the image lightly with an Xacto knife. It is not necessary to cut through the backing paper. Now pick up an edge of the decal with your knife and peel it away from the backing sheet. Place the decal on the desired surface and burnish it in place. Very neat, huh?

WARNING!

The decal is FUEL PROOFED as is. Do not apply Butyrate dope to the surface or any other dope. If you want to soak the surface with 60% nitro fuel then a coat of epoxy or polyurethane is in order.

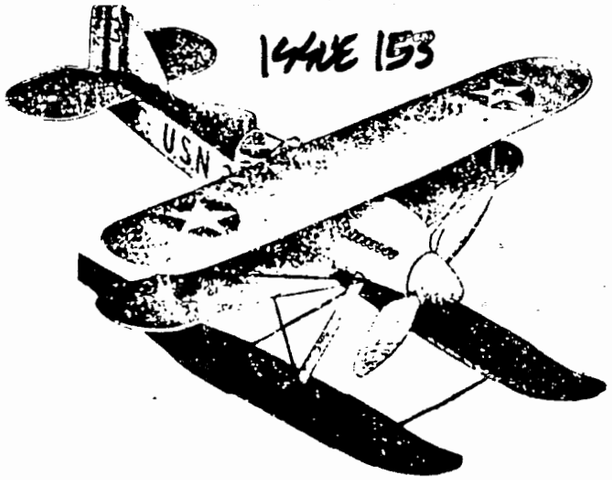
By the way, the film is 1.5 mils thick and flexable.

El Torbellino
George Peace: Editor
8414 Kappa Street
La Mesa, CA 91942

SEE PISTACHIO PLAN FOR 3. VIEW

MIAMA IS TRYING TO FIND PHOTOS OF WRIGHT TYPE "L" ANY COLOR OR MARKING REFERENCES. PLEASE SEND 'EM TO HQ. Don.

IRRESISTIBLE! 10¢ SCALE ENLARGE TO 13" SPAN FOR ORIGINAL SIZE.



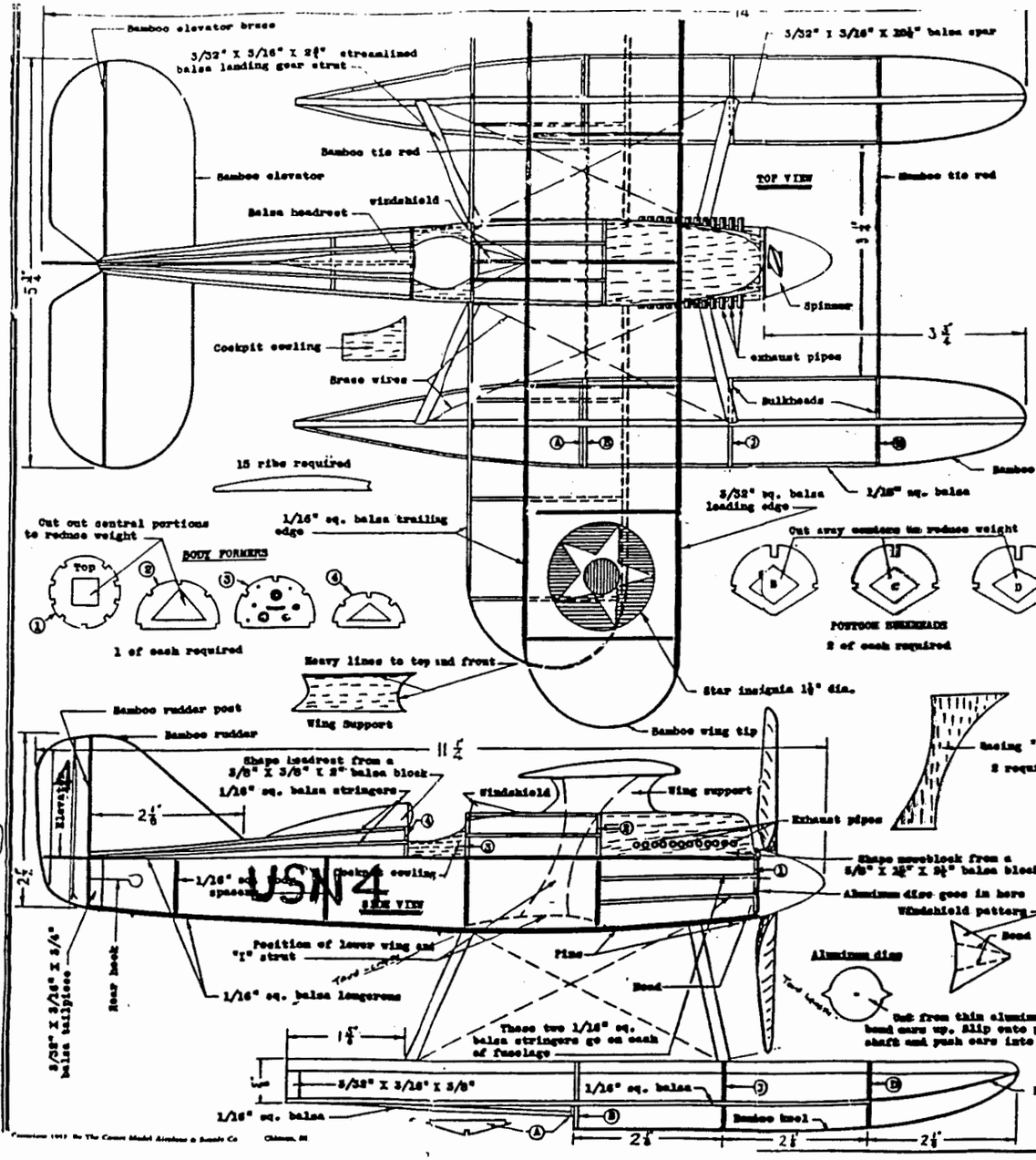
U.S. NAVY RACER by Comet. Jimmy Dolittle flew this in the Schneider Cup Races. First kitted in 1932, it is now a collector item. 13"
L-006 $1.50

THIS KIND OF GREAT STUFF FROM: GOLDEN AGE REPRODUCTIONS POBOX1685 ANDOVER, MA 01810-CATALOG $2.50

THIS IS THE CURTISS CR-3, WINNER OF THE 1923 SCHNEIDER CUP, AND FLOWN BY DAVID RITTENHOUSE, NOT DOLITTLE.

COLOR SCHEME: NAVY GREY; VERTICAL STABILIZER, LEMON YELLOW; RUDDER, WHITE; FLOAT BOTTOM, RED; LETTERS AND NUMBERS, BLACK W/ WHITE OUTLINE, NAVY INSIGNIA, GEN. ISSUE BLUE. STARS (ON BOTTOM OF WINGS) RED, WHITE + BLUE

THIS MODEL WAS MUCH CAMPAIGNED IN ENGLAND, AT OLD WARDEN AND ELSEWHERE, WITH A GREAT DEAL OF SUCCESS BY LINDSEY SMITH. HE NOW HEADS ENGLAND'S SQDN. 35, THE FIRST FLYING ACES CLUB IN UK!!



COMET KIT CIRCA 1932

U.S. NAVY RACER

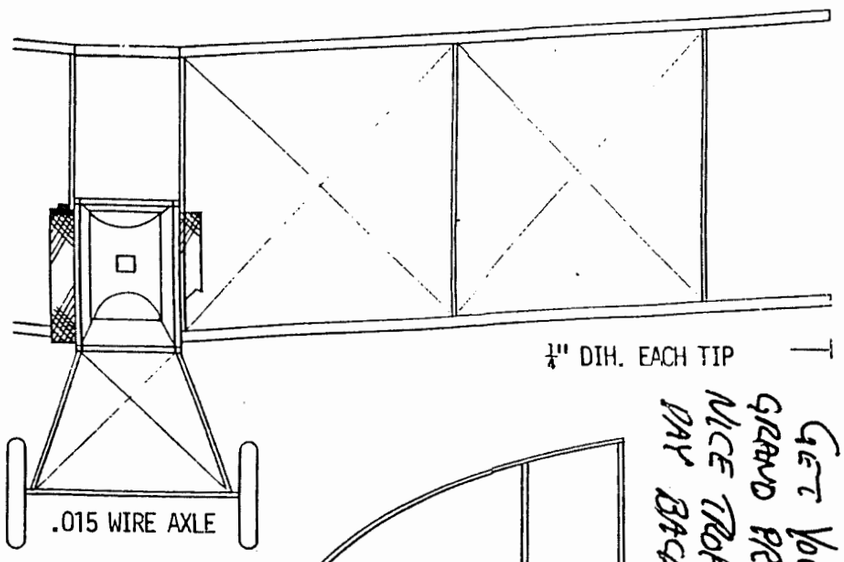
COMET

FLYING SCALE MODEL

PROP OUTLINE

1/64 PLY, OR 1/32 BALSA

STRUT LOCATIONS



¼" DIH. EACH TIP

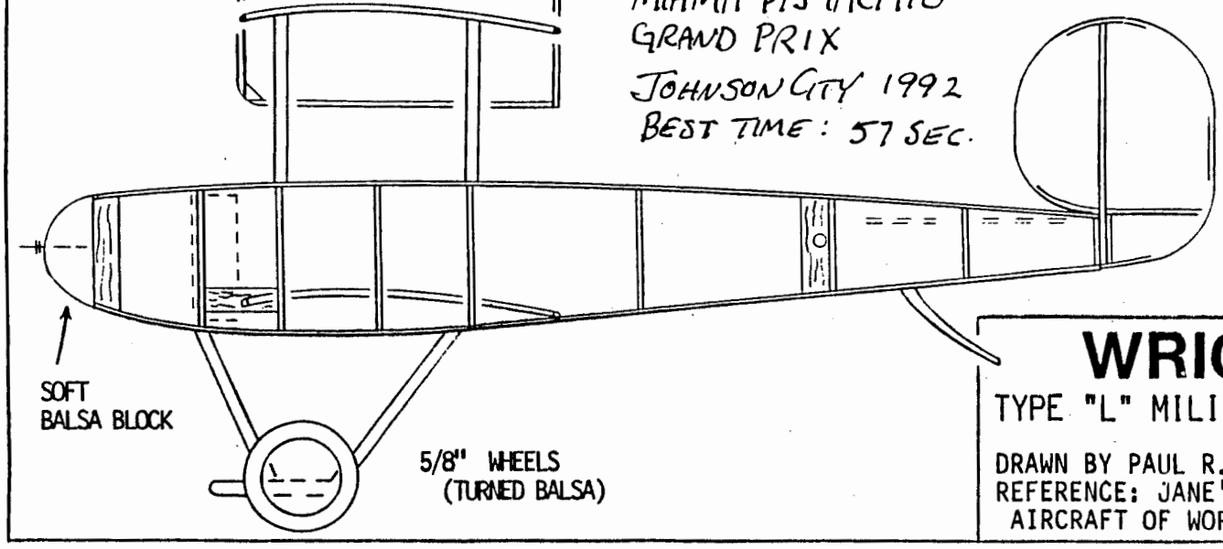
.015 WIRE AXLE

SHEET BALSA RADIATORS



ALL BALSA IS INDOOR QUALITY
ALL STRUCTURES 1/32 SQ.
STAB & FIN LAMIN. OUTLINE
SLICED RIBS FROM 1/32
FUSELAGE SHEETING 1/32
ALL STRUTS 1/32 X 3/32
CONDENSER PAPER COVERING

4TH PLACE
MIAMA PISTACHIO
GRAND PRIX
JOHNSON CITY 1992
BEST TIME: 57 SEC.



SOFT BALSA BLOCK

5/8" WHEELS (TURNED BALSA)

GET YOUR PISTACHIOS + COCONUTS READY FOR THIS YEARS J.C. GRAND PRIX. BOTH OVERALL AND MASS LAUNCH. ANNA IS PROVIDING NICE TROPHIES THIS YEAR. PISTACHIO FLYING ANY TIME, ANY DAY BACK IN THE BASKETBALL GYM!!

ISSUE 153

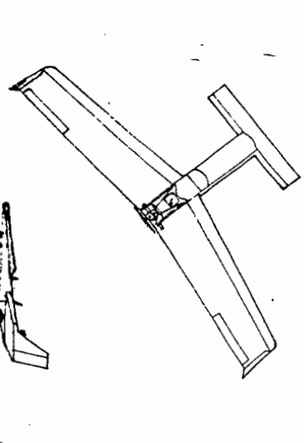
WRIGHT

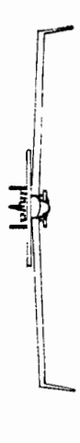
TYPE "L" MILITARY TRACTOR

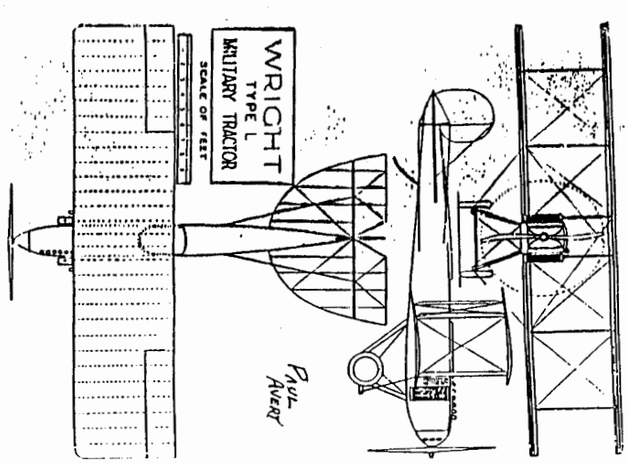
DRAWN BY PAUL R. AVERY
REFERENCE: JANE'S FIGHTING AIRCRAFT OF WORLD WAR ONE

ISSUE 154









"GOLDWING"

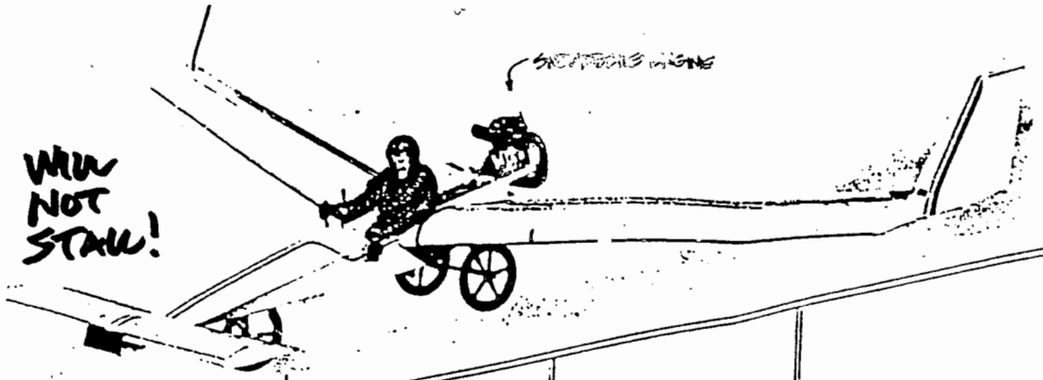
PISTACHIO

ULTRALITE A/C CANARD

PISTACHIO SCALE BY VTO 6" CAL MIAMA F
FAXED ON A PEANUT SCALE © DAVE ARGYSTEIN
TO 9" CAL MIAMA RULE

ISSUE 154

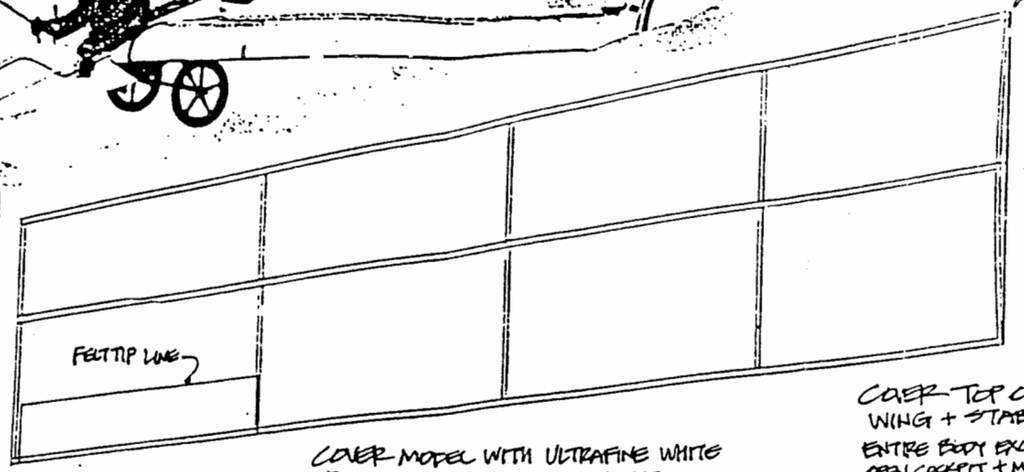
WILL NOT STALL!



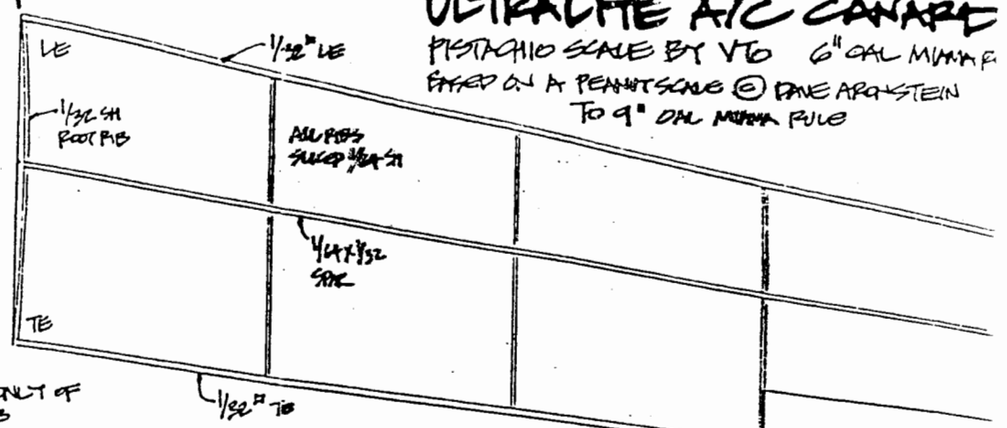
COLORS FOR THIS A/C ONLY:

WHITE OVERALL
ORANGE + BLACK PINSTRIPES AS SHOWN ON WING, TIPLETS + BODY
LEADING STRIPE O.T.
STRIPE ON BODY IS ALONG C/L THEN BENDS TO SIDES
STAB HAS PERIMETER STRIPE ON ALL EDGES
WHEEL TIRES + SPOKES BLACK
ENGINE SILVER WITH BLACK HOSES
GREY AIRCLEANER

DOC HAS PISTACHIO, PNUT + COCONUT GOLDWING! THEY ALL FLY GIRRREAT!



GLUE TO TOP LONGERON



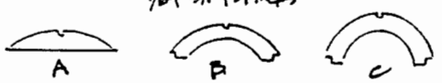
COVER TOP ONLY OF WING + STAB
ENTIRE BODY EXCEPT OPEN COCKPIT + MOTOR ACCESS

COVER MODEL WITH ULTRAFINE WHITE JAP TISSUE OR CONDENSER PAPER WITH MIST SPRAY OF WHITE LACQUER PRE-SHRINK PAPER!

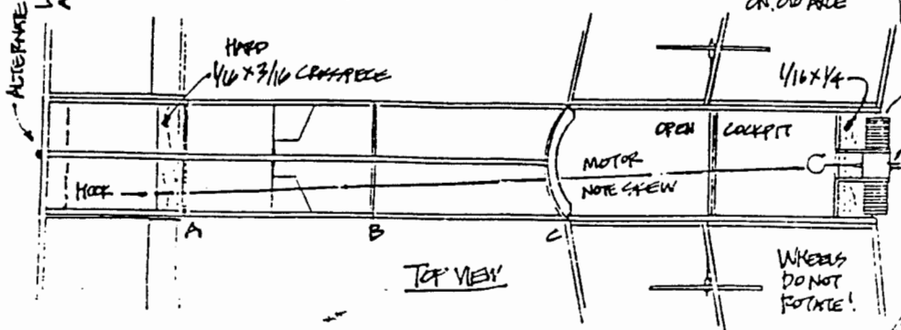


WHEEL 3 FOR CARDSTOCK ON .070 AXLE

1/64 SH FORMERS

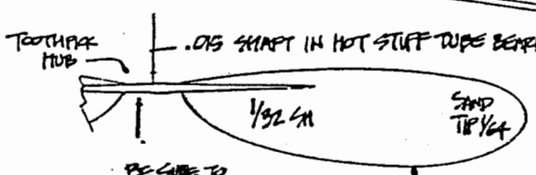


ALTERNATE PRONG HOOK LOCATION ABOVE BODY

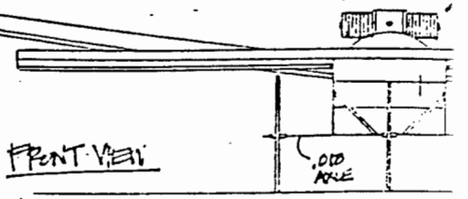


TIPLET

5 3/4" DIHEDRAL



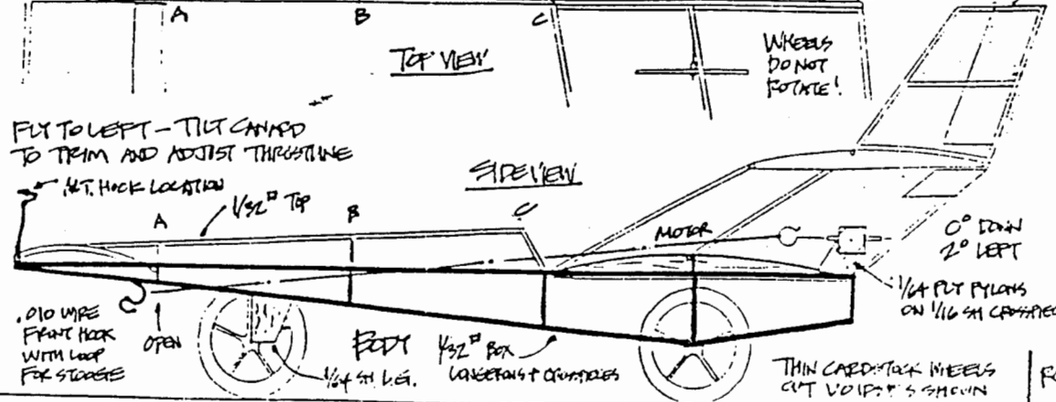
SEE FOTO SNOWMOBILE ENGINE — TH PROTOTYPE HA OPPOSED TWIN-

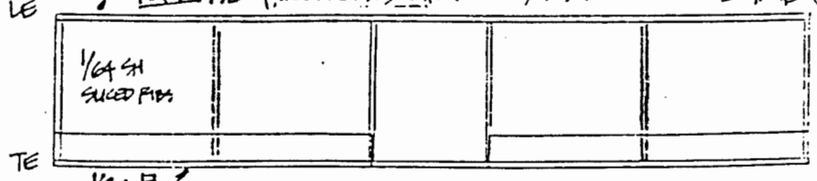


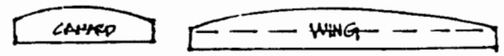
FRONT VIEW

A GOLDWING SIMILAR TO THIS RECOPPED TOP TIMED AT 1:38 AT 1991 MIAMA INTERNATS 4/91 MIAMI

FLY TO LEFT — TILT CANARD TO TRIM AND ADJUST THRUSTLINE







RIB + WING TEMPLATES 1/32 PLY

FUS NOT PER.

Pistachio
MIAMA RULE
6" CAL, 12 3/4 SPA

G-ABXY

1934 DIME SCALE
FROM WAYNE CAIN

I.D. NUMERALS
TOP RIGHT WING
BOTTOM LEFT

COLOURS: BODY/FIN GREEN
WING/STAB ORANGE
I.D. NUM. BLACK
CUT FROM TISSUE

HARDWOOD BEARING *

STIFF PAPER T&B

STRUT

MOTOR *

.010

CELLOPHANE

NOSE BLOCK

SEE FRONT VIEW FOR VEE L.G. STRUTS

VEE WING STRUTS

OPEN ON BOTTOM

GLUE WELL

REAR HOOK .015 MUSIC WIRE

SIDE VIEW

PROP DIAMETER 4½"
CARVED WOOD *

WHEEL *

FROM 1934 SPEC

*NINETIES SUBSTITUTES

ALL 1/32" SQ BODY + TAIL
1/32" SH WING RIBS FOAM WHEELS
HOBBY EXCIPIC 4½" RED PROP
1/16" OD ALUM BEARING
PECK # 816 JAPANESE TISSUE
FAI GREY RUBBER

TARGET WEIGHT
5g
USE INDOOR WOOD!

FINISHED "PUSS MOTH"

MEGOW KIT
GENERIC BUILDING
INSTRUCTIONS ARE
OMITTED ON
THIS TRACING.

12" SPAN
DIME
SCALE

MATCH CURVE

TOP VIEW

WING

CURVED TIP PARTS
MAY NEED TO
BE TRIMMED TO FIT ELEVATOR

ALL 1/16" SH

NOTE GRAIN

FULL SIZE PARTS

ORIGINAL PLAN
BY
FRED MEGOW

PUSS MOTH

FULL
SIZE
PLAN
CIRCA 1937

PLAN F-19

MEGOW'S

MODEL AIRPLANES VTO

TRACED FOR "HANGAR PILOT" BY DAVE LINSTRUM 2/93 ZEAGH

½" DIHEDRAL

WING STRUTS "V"

NOTE CTR SECT

L.G. STRUTS

TRIM TO CLIMB
TO RIGHT

SEE HANGAR PILOTS #151
AND #143 FOR MORE HINTS
ON FLYING DIME SCALE

FRONT VIEW

FIT TO BODY

1/32" SH RIBS

1/16" SQ TE + LE

STRUT ATTACH

COVER BOTH SIDES
ALL SURFACES + BODY
DO NOT DOPE TISSUE

WING LAYOUT

.010 AXLE

RIBS FLAT BOTTOM

TOP CAMBER

MEGOW DESIGN
FLIGHT TESTED
BY "DOC" MARVIN
IN 1937!
AND 1992

FIT TO BODY

ANOTHER "HANGAR PILOT" FULL SIZE PLAN FOR INDOOR

'94 FULL SIZE PLAN 1/4 SCALE ISSUE 155

Select Your Next Flying Job From this Page of Scientific's

"HI-FLYER" KITS

reg. U. S. pat. off.

with Bridge-Type Landing Gear and Adjustable Controls

Only 50¢ each Postpaid or at your dealer's

These kits contain everything to build these models—and that means EVERYTHING. All ribs, bulkheads, fairings, etc., are clearly printed on sheet balsa; ready to cut out. New machine-cut 6" balsa propellers are included in all kits. Many kits contain finished turned balsa cowls, others have correct size balsa blocks. Liberal quantities of cement, rubber, tissue, ready-made wire fittings; insignia, and wing lettering printed in color on gummed paper; all strip wood of the finest quality obtainable, accurately cut to size; full-size detailed drawings giving every bit of information needed for building and flying the plane. Absolutely everything necessary to build a flying model airplane! Send your order today!


WACO MODEL "D" MILITARY


BEN HOWARD'S MR. MULLIGAN

Ask your dealer for "HI-FLYER" kits in this new distinctive box.


NEW WACO "F-5"—20 inch

20 in. Wingspan


GRUMMAN FIGHTER SF-1


FOKKER D-7


CURTISS PC-E ARMY HAWK


WACO CABIN Y. K. C.


WACO "CUSTOM" CABIN—20 inch


ART CHESTER RACER


BOEING FIGHTER XF7B-1


CURTISS CYCLONE HAWK


BOEING F4B-4


HOWARD "IKE"


WACO MODEL "A"

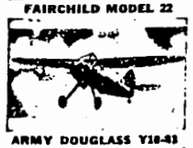
Guaranteed TO FLY


FAIRCHILD MODEL 22


MONOCOUPE 90-A—20 inch


CURTISS "GOSHAWK"


STINSON RELIANT


ARMY DOUGLASS Y1B-43


BELLANCA "PACEMAKER"


NIEUPORT "SCOUT"


FAIRCHILD CABIN

Every Kit 100% Complete


FRENCH C-1 "PURSUIT"


The CURTISS "HELLDIVER"


VANCE FLYING WING


JAPANESE FIGHTER


VICKERS JOCKEY


CURTISS FIGHTER XF13C-1

Dealers: Write on your letterhead for Wholesale Prices.

SCIENTIFIC MODEL AIRPLANE COMPANY
218-220 MA-3 Market Street, Newark, N. J.

In France: E. Rouzy & Co., 9 Rue St. Sebastien, Paris
In Australia: H. A. L. Hammond, 66 Queen St., Brisbane, Queensland.
In South Africa: Stratosphere Model Aircraft Supplies, P.O. Box 3248, Johannesburg.

5 CURTISS (4 BIPLANES)

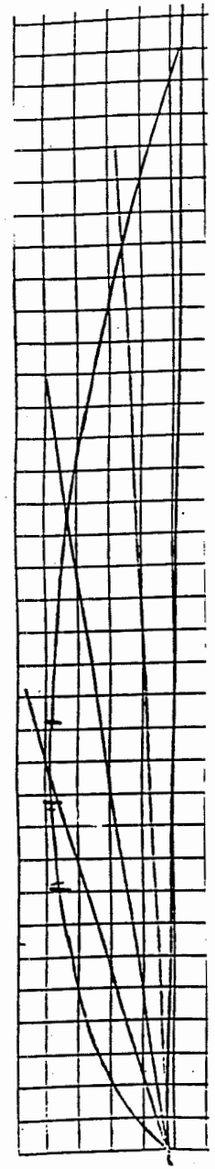
5 WACO'S (ALL BIPLANES)

18 OF THE 28 HAVE WHEEL PANTS.

GOOD FLYERS

VERY LIGHT CONSTRUCTION

ISSUE 157

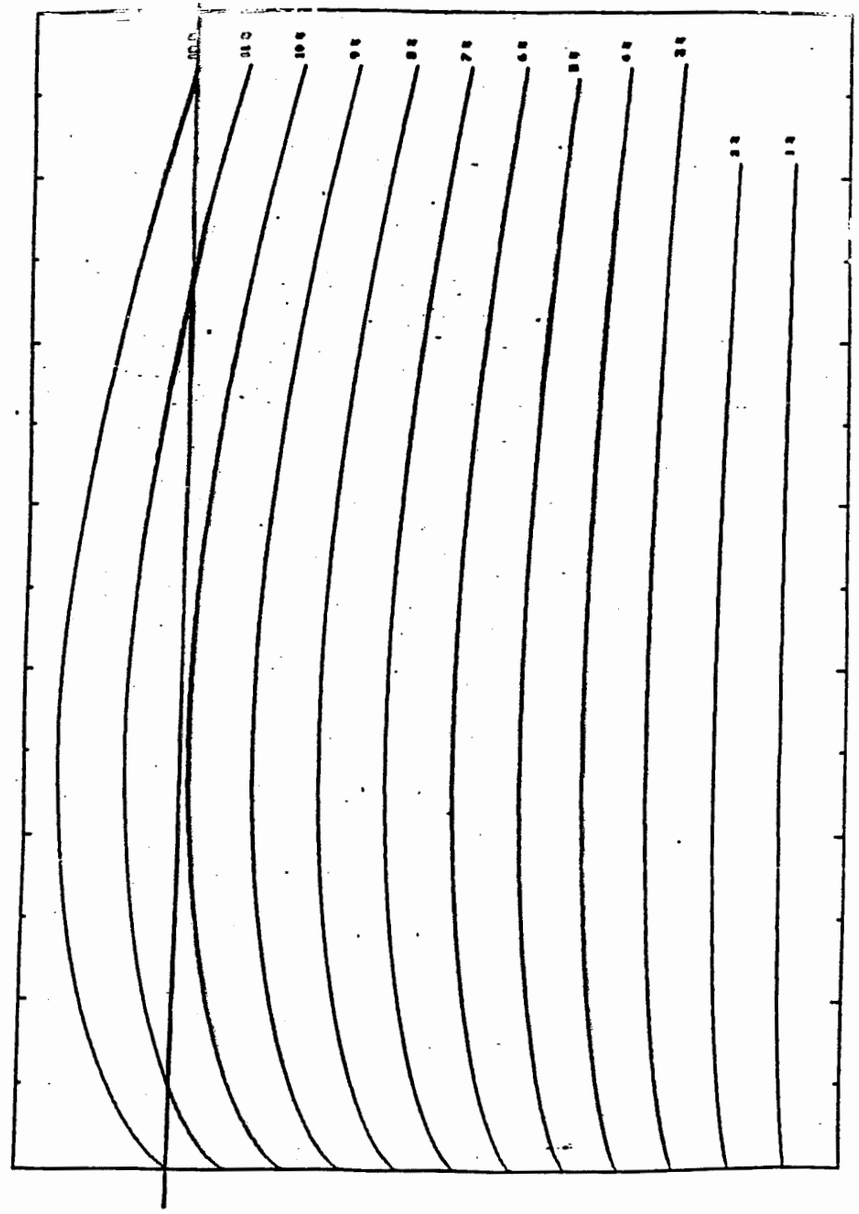


SIMPLEX AIRFOILS

A FAMILY OF SIMPLEX AIRFOILS

DICK OBARSKI MAY '91 FOR INDOOR ENDURANCE

ISSUE 193



The following info is "borrowed" from the Central Indiana Aeromodellers. INFORMER. From the pen of Gil Morris comes these Simplex airfoils. For a given "rib" of this log spiral curve, you simply pivot on the leading edge while chopping off the trailing edge to get a family of perfectly matched, but varying length ribs.