INGENUOUS

1993

THE HANGAR PILOT

22ND YEAR OF PUBLICATION
INDOOR ISN'T FOR EVERYONE

MIAMI INDOOR AIRCRAFT MODEL ASSOCIATION
MIAMA

ISSUE 159

- BILL WARNER - COTTAGE WINGS
- RESULTS OF MIAMA MEET !
- 1994 U.S. INDOOR TEAM
- MARTIN MO-1 CONTEST

SEASONS GREETINGS
FROM MIAMA + FAC + INDOOR !



THE Z-33 ON TOW.. FROM THE "CITABY"
NORTHWEST SOARING CLUB - FRANKFORT, MICH.

NEXT MIAMA MEET DEC 4/5 MAC DILL
AFB TAMPA, FLA 9-5 67 FEET CAT III

LOCAL MEETS OUTDOORS - YOUTH FAIR
NOV 13 & DEC 12



"LIKE A LETTER FROM HOME" Whelan

THE HANGAR PILOT

The Hanger Pilot, edited by John Martin Jr., who is solely responsible for its content, is published 8 or 9 times a season for bunch of middle aged guys who refuse to grow up. MIAMA (Miami Indoor Aircraft Model Association) - AMA club 986. One of two active all indoor free flight clubs in AMA. For a mere $12.50 you will receive all of the published issues that year. We encourage reader contributions because, frankly, we need the material. Letters, plans, 3-views, complaints, gripes and compliments to: Dr.John Martin Jr., President / Editor, 2180 Tigertail Ave., Miami, FL 33133 USA. phone: 305-858-6363.

A GATHERING OF EAGLES, OCT 1993

The 94th Aero Squadron has a great atmosphere for our awards banquet. World War one aircraft relics, photos, and armament are a background for the plaques awarded to the 13 MIAMA pilots in return for their mighty deeds in the MIAMA 22nd indoor season. All were listed in the last issue of Hangar Pilot. As mentioned, WAYNE TRIVIN walked off with the big award- FLORIDA STATE CHAMP for the 4th year. Highlight of the evening was guest speaker Dr. Warren Brown- editor of Florida Aviation History Soc. newsletter and many books on aviation. He gave out samples of the FAHS newsletter [illegible] (See back page) and brought a great collection of nostalgia. Copies of old pulp magazines- G-8 and his Battle Aces, War Birds, Wings, Flying Aces, Popular Aviation. Also specimens from Von Richtofen's aircraft and coffin. Great stuff. Tampa area residents are urged to join FAHS and take advantage of the FAHS library in Clearwater, The good doctor even had an ancient Comet Sparky kit (unopened) with him. Anybody with a Sparky and G-8 can't be all bad.

FLIGHT REPORT, MEET ONE

Our first indoor meet since Johnson City- what a pleasure to be back in the air. The sad part is that this meet was sayanora to the old Coast Guard Hangar after 9 years of meets- the best Cat. II site in Fla. The hangar will be renovated and all floor space occupied by equipment and offices. It was a good nine years, guys.

Also farewell to Miami/Dade North College. They have intimated they have better uses for their gym than letting a dozen indoor flyers use it gratis. Another site gone. Hey, SITE FINDERS, ALERT--let's get some new ones! Mayday,Mayday!! How about your local hotels that are built around an atrium? We could have a meet from midnight to five AM.. Have you checked <u>your</u> area?

Fifteen flyers braved varying conditions inside as the outside weather went from opressive heat to wild gales, heavy rain on Sat. to record cold on Sunday. 38 degrees on Sunday! The results next page reflect the new builders, new models, and new interests. Only two Easy Bs were entered and none flew. Lately the popular events are the various mass launches, Dime Scale, Peanut Scale, and NO-Cal. We haven't seen a Manhattan in a long time, or a Federation ROG.. Highlights- Jake Larson got a fine half minute flight from his MO-1 floatplane, and was trimming a couple of new ships. Wayne Trivin set a couple of Cat. II records that will stand a while until we get a new Cat. II site. Dave VTO Linstrum, back from Dubai, had a Coconut Farman 250 (3-view last issue) that was massive, but flew with a slow stately grace. 15 is a good turn out considering the absence of Nunez, Hedley, MacEntee, Leffler, Nuszer, LeBlanc, Kortenbach, and Laudati...all of whom we consider "regulars" and not "ghost squadron". Charlie Johnson labored long on his 10¢ Scale DHTiger Moth making great progress. Lots of new models present, most not trimmed.

IT'S BACK TO MACDILL ON DEC 4 and [illegible] 5. Get your planes ready. Peanut Mass Launch..Sat. @ 2:00, Raceplanes Sat. 5:00 PM, Coconut Sun. 2:00 PM. Flying Aces Kanones to the winners. Call Hot l[illegible]

LOCAL OUTDOOR MEETS: NOV 13 (SAT) AND DEC 12 (SUN.)
YOUTH FAIR GROUNDS 112TH AVE + CORAL WAY - NEAR THE FOOTBALL STADIUM. FLY IN AND FLYING ACES.
8AM TO WHEN IT GETS TOO WINDY.

MIAMA MEET 1 US COAST GUARD OCT 30,31 1993 CD: DOC MARTIN (2) DICK OBARSKI

PEANUT SCALE

	Plane	Scale Score	two best flights		Total
1.Wayne Trivin	14-Bis	111.0	1:08	:33	161.5
2. Sidney Gilbert	Lacey M-10	80.4	1:39	1:28 (Max)	160.8
3. Doc Martin	Martin MO-1 Floats	86.8	:55	1:06	147.3
4.Millard Wells	Huntington H-12	72.6	1:12	1:05	141.1
5.Walt Everson	Vagabond	76.0	:65	:58	137.5
6.Don Brimmer	Lemberger	86.8	:24	:41	119.3
6.(Tie) Ric Choate	Zero	87.8	:28	:35	119.3
8.Walt Schlesinger	Cougar	80.0	:35	:38	116.5

15 FLYERS FLEW 71 EVENTS

DIME SCALE — Three best flights

1. Wayne Trivin	Comet Mr.Mulligan	1:16	1:04 1:04
2.Millard Wells	Megow Douglas Obs.	1:08	1:10 1:02
3Doc Martin	Comet Curtiss Falcon	:57	1:01 1:09
4.Dave Linstrum,	Megow Puss Moth	:47	:43 :53
5.Dick Obarski	Comet Tiger Moth	:30	:32 :41
6.Charlie Johnson	Comet Tiger Moth	:27	:27 :35
7.W.Schlesinger	Comet Puss Moth	:21	:21 :20

COCONUT SCALE

1.Dave Linstrum	Zippy Sport	1:39
2.Millard Wells	Ford 2-AT	1:14
3. Doc Martin	Junkers Strato	1:10
4.Walt Schlesinger	Lark 3	:30

MINI-STICK

1.Wayne Trivin	6:40	NEW STATE CAT II RECORD
2.John Barker	6:01	
3.Dick Obarski	4:41	

PISTACHIO SCALE

		Scale Points	Flight Pts.		Total
1.Doc Martin	Goldwing	4Pts.	1:14	1 Pt,	5
2.Don Brimmer	Citabria	2	:38	5	7
3.Ric Choate	Lacey M-10	3	:44	4	7
4.Millard Wells	Wee Bee	5	:47	3	8
X, ' ' '	Huntington	6	:57	2	8

NO-CAL SCALE

1.Tom McCoy	Fike	3:28
2.Wayne Trivin	Farman	3:23
3.Dick Obarski	Farman	2:23
4.Walt Everson	SU-27	1:04
5.Don Brimmer	Citabria	:44
6.Walt Schlesinger	Ambrosini	:17

Model of Model

1.Dave Linstrum	Mike Farthing	1:16
2.Don Brimmer	Buzz Bug	1:02

BOSTONIAN

1. Wayne Trivin	No Colors	1.11	453.9	NEW STATE CAT. II RECORD
2.John Barker	Scimitar 3	1.12	340.7	
3.Sidney Gilbert	7-Up	1.11	209.7	
4.Millard Wells	Wee Bost	1.12	194.2	
5.Walt Schlesinger	Basic Bost	1.11	122	

EMBRYO ENDURANCE

1.Sidney Gilbert	Hornet	271
2.Walt Schlesinger	12½¢	163
3.Don Brimmer	Pinky	56

HAND LAUNCHED GLIDER

1.Ric Choate 1:03

FLYING ACES SCALE — Scale points

1.Millard Wells	Waco E	69	1:07	136
2.Doc Martin	Howard IKE	67	:53	120
3.Jake Larson	MO-1 Float	73	:30.2	103.2
4.Walt Schlesinger	Leopard	54	:34	88
5.Don Brimmer	Leopard Moth	51	34.3	85.3

PENNY PLANE

1.Wayne Trivin	7:10
2.Dick Obarski	6:00
3.John Barker	5:56
4.Charley Johnson	4:00

UNLIMITED PENNY 1.Walt Everson 5:29

MASS LAUNCH EVENTS

PEANUT SCALE

1.Millard Wells
2.Wayne Trivin
3.Doc Martin
4.Ric Choate
4.Sid Gilbert
5.Jake Larson
5.Walt Schlesingert
5.Don Brimmer

GOLDEN AGE

1. Doc Martin
2.Don Brimmer
3.Walt Everson
4.Millard Wells
4.Schlesinger
4.Jake Larson

COCONUT

1.Millard Wells
2.Doc Martin
3.Dave Linstrum
4.Walt Schlesinger

COTTAGE WINGS: Get out your check book and give yourself a Christmas present. The next twelve pages are the hard work of Bill Warner. All the stuff you need but didn't know where to send for — and now you do! Renew MIAMA while you have your check book out.

(2)

16 July 1993
Hi Doc!

Just got your latest (great as usual) legendary newsletter. Reminded me I have not been in touch for some time. Lordy, how the time flies when you're having fun. Maybe I'll even get time to build a model airplane one of these days. Just got a twin pusher I made for the San Diego Aerospace Museum last year back. Wouldn't fit in their showcase. Instead of chiding them gently for putting mew through all the fun of making the thing, I smiled and remade one 1/2 scale. Had Sandy Peck not have been the person that asked me to do it , I might have been more expressive. Guess I'll donate the full-sized one to the Porterville Historical Museum. They could use a little livening up.

Son (in Army) just married a girl from Miami Beach this Spring. Car got broken into while they were visiting her parents. I thought you had a nice, safe, All-American City? Sounds just like L.A. to me... Except in L.A. they speak Spanish...Haw-w-w-w-w! Thermals...

Bill W

NETCRAFT CO.
2800 Tremainsville Rd.
Toledo,OH 43613.
Domedusters report they have telescoping 16 and 20' poles. Free catalog. Note: About five yrs. ago Roger Dunn, a golf store chain, also carried a telescoping pole for ball retreiving that is fine for low-ceiling work(and cheap,under $10.on sale.)

NFFS Publications/Supplies
For a list of NFFS supplies and publications including British FF Forums, send a SASE to Fred Terzian,4858 Moorpark Av.,San Jose, CA 95129.

SCHULTZ SCALE PLANS
910 Broadfields Dr.
Louisville, KY 40207
Domedusters lists him as a source of Oldtimer scale plans. SASE.

SKYBLAZER
P.O.Box 33
Ozone Park, NY 11417
Vicki Alu, acc. to the Domedusters, sells fun flier kits, plans, and accessories. SASE.

WILLIAMS,PETER
13 Southminster Rd.,
Cardiff, So. Glamorgan
CF2 5AT WALES
ENGLAND
tel:(0222)-490501

John Fredrickson sent me the nine page catalog of plans this gentleman carries (prices average about one and a half British pounds). Lots of scale models from Drome, Aeromodels, Airdya, Astral, Frog, Keil...has afew Jetex scale jobs, too. Send two dollar bills for the list.

YESTERYEAR PLAN SERVICE
3517 Kristie Dr.
Erie, PA 16506
Domedusters lists this as having otdtimer scale plans. SASE Interesting.

COTTAGE WINGS

A Source Guide

This guide is compiled for Free Flight Scale Modellers by myself, Bill Warner, 1370 Monache Av., Porterville, CA 93257. Ph. 1(209)782-9265. It is not connected in any way with the AMA, and the endorsements, where they occur, are the result of my personal experience or as noted. Please send and additions or corrections to me at the above address. This guide is available for $1.00 and a large SASE. It is a non-profit undertaking,and newsletter editors and others may feel free to copy as they see fit.

Note: Prices quoted may be out of date, as may be some addresses. Prices are usually for the U.S. market and will probably be higher abroad.

AAHS

Byron Calomiris
3406 Fela Av.
Long Beach,CA 90808
The American Aviation Historical Society puts out quarterly journals that, for the past 38 years, have been of high quality. Membership is for the calendar year, and those joining late will receive all the issues for that year. Back issues are $4.00 ea., but Byron will send you a sample if you send him a check for $2.00 to cover shipping. Good deal!

A.A.LIDBERG PLANS

614 E.Fordham
Tempe,AZ 85283
1(602)730-9180
Lidberg has a large range of fine plans from small "profile" scale ships to more advanced built-up rubber scale jobs with knock-off wings and advanced techniques well laid out in print for you. Recently, he added a series of miniature old timer semi-kits including the New Ruler and Buzzard Bombshell at 20" and 18" respectively. Plans are $1.00 to $6.00. Send $1.00 for 16-page listing.

A AVIATION

12235 48th. Av. S.
Seattle, WA, 98178
Dave Aronstein's indoor ultra-light models have been turning fantastic times since the days when he was a teen-ager. His models are simple, unusual, not super scale but eminently air worthy. He has several new scale rubber-powered ducted fan designs. Send $2.00 for catalog and sample plan. Highly recommended for those starting in indoor.

AERODYNE

15421 Redhill, Suite "A"
Tustin, CA 92680
1(714)258-0805
Al and Cheryl carry GOOD colored nitrate that COVERS in white! Other colors plus butyrate dopes. Diesel and glow fuel, lots of old-time rubber and gas kits. Send $1.00 and large SASE for catalog.

AEROINDEX

P.O Box 5124
Hamden, CT 06518
Mark Frieman has compiled and sells a long index of model mags (used to be about $ 3.50) which can help you find that long-lost plan in your model mag collection. He also buys and sells old model mags. If you'd like to sell any, state age, condition and price.

AEROMODELLER MAGAZINE

Argus Specialist Publications
Select Subscriptions, Ltd.(AMFI/5)
River Park Estate, Billet Lane
Berkhamstead, Herts. HP4 1HL
England
Costs more, but has more FF that American mags. Aeromodeller has a well-deserved reputation for interesting articles, 3-views, plans, etc. You can subscribe by sending them your VISA card number and they will bill your account at the present exchange rate: about $48. for 12 monthly issues.

AEROPLANE MONTHLY

c/o Quadrant Subscriptions Services Ltd.
Oakfield House, Perrymount Rd.
Haywards Heath, Sussex RH16 3DH
England
(U.S.Subscriptions can be handled through Reed Business Publishing, Ltd., 205 E.42nd. St., N.Y., N.Y., 10017 USA at $53./yr as of the August 1992 issue) Aeroplane Monthly is an excellent magazine of full-sized aviation chock full of old planes with propellers that were made in the good old days. Highly recommended!

AEROPLANS

1931 Kittyhawk Av.
Los Angeles, CA 90045
A.C.Anson's quarterly journals Aeroplans I, II, III and IV feature "...old, well-known types as well as many really rare aircraft". "Super plan collections" say Earl Van Gorder in Flying Models. $10/copy plus $2.postage. A.C. also edits a quarterly called 1919-1939 Air Wars, which is certainly a quality publication with lots of great plans.

AIR ACE Models

700 Leader Building
Cleveland, OH 44114
Dennis Norman's new Flying-Aces-oriented plans will knock your socks off! His first two, the P-51 and Hellcat, are accompanied by booklets which give new techniques for making printwood, covering, and include patterns for photocopying surface detail. Good scale documentation and choices of subject a/c included. Dennis plans a series of these beautifully-done gems. Can't find the price at this moment...think it was $7.50 PP.

AIRCRAFT DATA

Wm. McCombs
P.O.Box 763576
Dallas, TX 75224
Bill McCombs 1992-updated book, MAKING SCALE MODELS FLY, is something every FF Scaler should have in his/her library. It is extensive and intensive, and should answer most any question a beginner in this branch of the hobby should have. $ 14.95PP. Highly recommended. Bill also has an update available for those who have purchased an earlier edition.

AIRMAN'S SUPPLY CO.

P.O Box 1593
Norfolk, NE 68702-1593
Bob Stalick mentioned in his column that he'd received their 18-page catalog containing Jetex, CO2, hundreds of plans and dozens of kits, plus construction supplies. A buck will bring you their catalog. Haven't seen it myself.

AIR RACING RESEARCH ASSOCIATES

R.S.Hirsch
8439 Dale St.
Buena Park, CA 90620
FIVE-view scale drawings of hundreds of racing planes! His catalog is a must for all raceplane enthusiasts, and should come to you for $2.00.

ALLEN HUNT PLAN SERVICE

P.O.Box 726
Dunbar, WV 25064-0726
Allen had over 2,000 plans, many with line drawings in the catalog so you can see what they look like. Many of the old-time model plans have been re-done with rib and former outlines and both wings, a nice feature for many which were originally done with only one. Some have 3-view scale drawings with them. Catalog $3.00, refundable with order.

ALLISON, MARK

420 NW 14th.
Corvallis, OR 97330
1(503)752-0641
Mark, International "Pistachio" scale champ and winner of peanut scale at the 1991 USFF Champs, sells tiny gears and instructions for peanut and pistachio models. These are painstakingly cast of epoxy. He has detailed instructions on how to build his winning gearboxes. $1.00 will bring you his illustrated "How to Make a Gearbox" instructions as well as a price list. His many successes speak well for the efficiency of this system!

AMA/LEE RENAUD RESEARCH LIBRARY

1810 Samuel Morse Dr.
Reston, VA 22090
1 (703)435-0750
The AMA library has over 30,000 books and magazines on models and full-size aircraft. AMA members may order a reprint of any magazine article for $2.00/copy. Researching model plans and particular subjects is $ 10. per. Georgiana Apple is the archivist to talk to at the above number.

AMERICAN SCIENCE AND SURPLUS - formerly JERRYCO

601 Linden Place
Evanston, ILL 60202
A delightful source of surplus goodies. Witty free catalog with tons of stuff you never knew you needed. Every modeller I know that has ever seen this catalog buys stuff from it like German model wheels, wee electric motors, small artists brushes, beads, shrink tubing, tiny bulbs, etc. Just send 'em your name and request their Surplus Catalog.

AVIATION HERITAGE BOOKS

P.O Box 2065
Terre Haute, IN 47802
1-800-999-0141
Publishers of the fantastic Paul Matt books of scale drawings (2 vols. $24.95 each. Vol. 1 aircraft A-G, Vol 2 H-W) A MUST have for scale modellers. Also many other neat books including the famous EAA Flying and Glider Manuals, Hannan's Peanut Power, and lots of Waco stuff. Give 'em a call, its free.

BAG OF PEANUTS

Doug Mooney
P.O.Box 231192
San Diego, CA 92194
Packs of plans for peanut scale (mostly) models by the late, celebrated Walt Mooney. There are six different sets or "Bags" of plans. Sets 1-5 have about 13 plans each, while Set 6 has 36 plans reduced to 8" span for "Pistachio" size. At $5.00 a set, these are fantastic value for the buck!

BAIRD, DANIEL E.

3529 Keon Lane
Knoxville, TN 37931
According to Bill Hannan, Daniel manufactures a line of items for CO2 engines including tiny refilling nozzles and chargers which will accept the sporting-goods-store larger cartridges. Also makes radial machined alum. mount for the Cox .010.

BAT SHEET

Fred Wilson
32 222nd St., SW
Bothell, WA 98021
The Strat-o-Bats get $12. for their monthly newsletter. They also fly indoors and outdoors.

BELL MODEL AIRCRAFT CO.

650 Pinecrest Dr.
Largo, FL 34640
1(813)584-4003
John Bell designs and draws some of the most beautiful plans you will ever see! (mostly rubber scale, jetex, and WW II)
I like his Hughes racer and Lockheed Altair. John's rubber scale kit for the Duane Cole Taylorcraft is VERY nice. Illustrated catalog $1.00.

BLACKSHEEP NEWS

Tony Naccarato
2121 No. Hollywood Wy.
Burbank, CA 91505
Quarterly Newsletter of the famous Blacksheep Exhibition Squadron features ALL types of model activity, and never omits FF. Membership $15.00. Sr. Citizens 10.00. Juniors $6.00 all with newsletter. Always something of interest for everyone! Blacksheep rule book containing about 50 events they fly, many of which are original 30" events. $2 pp.

BLUE RIDGE MODEL PRODUCTS

Box 329
Skyland, N.C. 28776
1(704)599-3348
Phil Hartman makes good model kits ,many for beginners with excellent design and great wood. Hand-launched gliders, small rubber jobs and larger competition rubber ships. No scale stuff that I know of, but included because he puts out guaranteed success. In March 1993 I got a report that his phone no. was not answering. Try a SASE.

BOYLES, E.R. (RED)

1552 West Nopal St.
Mesa, AZ 85202
Red has a list on the order of this one covering rubber,R/C, electic, etc. and descriptions of items supplied by 62 individual suppliers, 45 model and hobby companies, 15 tool suppliers, 3 libraries. 26 pages and 136 listings. Send $3. and SASE.

BRADLEY MODEL PRODUCTS

1337 Pine Sap Ct.
Orlando, FL 32825
Jim Bradley is recommended by famed FF Scaler Larry Kruse as a great source of the miracle material for reinforcing your models, carbon fiber. Send a SASE for his listings.

BROWN JR. MOTORS

P.O.Box 77
Pine Grove Mills, PA 16868
Tiny CO2 engines from the man who gave the world the model airplane motor. Top quality stuff and many years of know-how. SASE for list. Peck Polymers usually carries his engines and accessories.

CACTUS SQUADRON F.A.C.

Glenna Tarango
10 So. Cooper Rd.
Chandler, AZ 85225
Small but mighty newsletter edited by Dave Smith contains great hints and tips as well as a "build-on" model plan in each monthly issue. $10. makes you a member and brings you the n/l. They also sponsor great contests at their alfalfa field which draw contestants from hundreds of miles around.

CAMPBELL'S CUSTOM KITS

P.O Box 5996
Lake Worth, FL 33461-0181
Lee Campbell stocks many interesting HL Glider, FF and Old Timer kits, and supplies from many of the major suppliers mentioned in this guide . He also has parts for Cox engines. The last catalog I have from them is impressive, but an attempt to call got me a "not-in-service" message. (5/16/91) Worth dropping 'em a card.

CHAMPION MODEL PRODUCTS

880 Carmen Ct.
La Verne, CA 91750
1(714)599-3348
George Schroeder sells rubber strip by the pound and advanced competition kits for rubber in Coupe, Mulvihill, and Wakefield classes. Catalog $1.50.

CHAINMAKER PROJECTS

P.O.BOX 65135
Lubbock, TX 79464
Ken Ketner has a service available to CO2 fanatics involving TELCO engines and spares. As of August 1992, you could obtain from him a TELCO with the tank, prop, etc. but minus the charger (he recommends the Brown charger)for $48.PP.

CLEMENTS, VERN

308 Palo Alto
Caldwell, ID 83605
Vern's plans are meticulously-researched and well drawn. (The Wolf/Benjamin Gee-Bee R-2 was built largely from Vern's plans!) They are for serious modellers and builders of full-size planes, who often have utilised his work. His prices reflect the hundreds of hours he has invested in each plan. The 21-page newsletter/catalog is unique, and the $3.00 spent for it is refundable with order.

CLEVELAND MODEL AND SUPPLY CO.

9800B Detroit Ave.
Cleveland, OH 44102
1(216)961-3600
Cleveland kits were the standard of the industry since 1919, and their plans are still some of the best available anywhere. They are famous for having the same plan available in several different sizes. Over 1,000 plans. Catalog $2.00 or just the price list, $1.00.

CLOUDBUSTERS MODEL CLUB

Stu Weckerly
1318 Stephenson Hwy.
Royal Oak, MI 48067
Monthly n/l printed on large sheets which allows folding while retaining peanut plans intact (8-12 pages) Membership is $6.00/calendar yr. I have not seen this n/l, but Byron Calomiris vouches for it. I know some of the club members, and they are World Class scale modellers.

CLUTTON, ERIC

913 Cedar Lane
Tullahoma, TN 37388
1 (615) 455-2256
P.A.W. diesel engines. Excellent service. Send Large SASE for list. Ever hear of a homebuilt called the "FRED"? That was Eric's!

COLE, BRYAN V.

1312 N.E. 35th. St.,
Ocala, FL 32670
I haven't seen Bryan's plans, Earl Van Gorder says he has a few, the latest of which is a Vought V-173 "Flying Pancake" and a Bellanca Flash.

COMPOSITE STRUCTURES TECHNOLOGY (CST)

P.O.Box 4615, Dept. JC91-12
Lancaster, CA 93539-4615
1(805)723-3783
For the high-tech modeller...a source of carbon fiber, mat, rod, blue styrofoam, Kevlar fabrics and thread, mylar sheet, Teflon-coated glass cloth, epoxies, vacuum bagging systems, etc. $3.00 (plus 8.25% for Californians) will bring you their catalog, a copy of their newsletter, a copy of "Composite Materials for Modeling Applications" and a $5 -off certificate for your first order.

CROSSWINDS, Journal of the Cleveland FF Society
c/o Russ Brown, the "Blue Fox"
4909 N Sedgewick
Lyndhurst, OH 44124
A labor of love which comes all too infrequently, but which covers the daylights out of particular airplanes. Many superb modellers are members of the Cleveland group. Russ says they're back on schedule with the N/L now, and the last two issues are blockbusters! Used to be a $ 10 "contribution."

DAHLKE, DOUG
2054 Point Comfort
Oshkosh, WI 54901
Doug has Xeroxes of some mid-thirties inch span jumbo rubber ships you might adore...drawn in 1929-30. Ford Trimotor, Curtiss Hawk bipe, Bernard Yellow Bird, Junkers Bremen, Loening Air Yacht, Savoia S-55. $ 4.00 for first plan, 25 cents less each add'l. $ .50 postage for any order.

DELTANA AIRSHOW CO.
Box 45
Shelby, MT 59474
Send SASE for list of Gee Bee memorabilia and tape of the making and flying of the Delmar Benjamin/Steve Wolf R-2.

DIELS ENGINEERING
P.O.Box 263
Amherst, OH 44001
Very nice advanced scale model kits for rubber power, including many WW I and prop- driven jets. Send $2.00 for illustrated listings of kits and plans. New kits avail. in Feb. 1993: North American O-47, MeBF109E. $22.ea.+ $3 shipping.

DINTSBIER, STEVEN
1159 W. Taft Rd.
St.Johns, MI 48879
Steven has a new plans service offering replicas of small old timer models, some peanut ands pistachio plans and odds and ends. If Trenton Terrors of Avro CF's sound interesting, risk a SASE for his list. At a buck a plan, it's interesting.

DOMEDUSTER NEWSLETTER
1810 Pine St.
Philadelphia, PA 19103
Editor Stan Fink has a very nice, neat indoor newsletter with plans, hints and tips. The Mar/Apr '92 issue has a full-size 1914 Morane-Saulnier "N" peanut by Stan, and a small endurance model from Finland (about 8" span>) Six issues for $12. Domedusters also have a Plan Packet available for $8.pp with a wide range of indoor projects ranging from Pistachios to Bostonians. For $8.00,a Domeduster brochure will walk you through the building of a spoked wheel. If you're just getting started in Indoor, you could do a lot worse than to send for this one! It's fun.

EASY BUILT MODELS
P.O.Box 425
Lockport, NY 14095.
(716) 438-0505
Large selection of model kits, plans and supplies from the "good ol' days". Prices are reasonable, and the kits range from quite simple to complex. Some of the designs are a bit primitive by todays standards, and the wood may not always be what you would wish to use, but despite this, they have some interesting stuff. For $2.00 you can get their list of kits and an interesting booklet called Facts and Building Tips. They have been known to dig out some real gems like old Paulownia props or multi-motor monkey-motion mechanisms for up to five motors to one prop (collectors items priced accordingly). Ask 'em about out-of-date stuff you've been looking for years.

EDMUND SCIENTIFIC CO.
101 E. Gloucester Pike
Barrington, NJ 08007
Precision scales, etc. They used to sell lenses capable of being used to make an opaque projector for enlarging 3-views. Catalog $5.

F.A.I.MODEL SUPPLY
P.O.Box 3967
Torrance, CA 90610
Rubber by the pound, special rubber lube, some more advanced kits. Fast, reliable, recommended service. Catalog $ 1.50.

Le FANA DE L'AVIATION
15-17 Quai de l'Oise
75166 Paris, France
"Fana" is the leading French magazine of full-sized aircraft of the older variety. A bit too heavy on military and WW II, but some occasional gems. Lots of French planes. 12 monthly issues for 325 francs if you don't live in France. (about 50-60 bucks.) Written in French, naturellement.

FILLON, E.
60 Rue du Bocage
83700 St. Raphael
France
phone: 94 95 62 06 (if you speak French!)
Large selection of plans he has designed and drawn ranging from many 1930's French civil a/c in peanut size to wild things like rubber-powered geared helicopters, ducted-fan rubber ships, electrics (one solar), indoor models, etc. Send 3 international reply coupons for listings. If I were to pick one "Master" in FF modeling, Emmanuel Fillon (winner of 1937 World Wakefield Cup) would be it.

FLIGHTMASTERS
Byron Calomiris
3406 Fela Av.
Long Beach, CA 90808
My club, so I am prejudiced. Flightmasters has been an all FF-Scale club since the Sixties with many members that have written for magazines, published models, etc. Editorship of the n/l rotates, giving it an eclectic flavor depending on the interest of the current editor. Always 3-views, plans, and things of use to FF Scalers. $15./yr for 6 issues.

FLYING ACES CLUB
3301 Cindy Lane
Erie, PA 16506
Centering on Commandant Lin Reichel and the Erie Club, this national group publishes a bi-monthly NEWSLETTER with no radio control stuff in it! Their second plan pack is just out, and, like No 1 sells for $8.00. They sponsor the finest free-flight scale meets in the country, mostly for rubber-powered scale models.
It numbers over 1,000 members, but they are mostly of retirement age and top modellers all! Membership $9.00/yr. Branches springing up all over the country, with 36 squadrons in CA, MI, FL AZ, NC, MD, IN, SC, OH, PA, TN, TX, NM England and Canada, as of last count (see following) YOU SHOULD NOT BE WITHOUT THE FLYING ACES. IT WILL BE THE BEST MOVE YOU EVER MADE.

FLYING ACES AFFILIATED CLUBS not listed elsewhere in this list:

The Alamo Escadrille
8311 Babe Ruth
San Antonio, TX 78240

71 Eagle Squadron
Lindsey Smith
Spring Meadow, Fyfield
Andover, Hants., SP18EL
England

Mosquito Squadron
5430 Durant Dr.
Port Orange, FL 32127
David Barfield

Possum Patrol
2000 Trophy Dr
Marietta, GA 30062

FLYING ACES MODEL CO.
1564A Fitzgerald Dr.
Suite 118
Pinole, CA 94564
I have no idea what they sell, but its a neat name.

FLYING MODELS
P.O.Box 700
Newton, NJ 07860
This is the magazine once known as Flying Aces. It's changed a lot since the '30s, but still is one of the better magazines. Monthly, it costs $23./yr.

FLYLINE MODELS
P.O.Box 2136
Fairfax, VA 22031
Fun-to-build kits with flavor. Their HE-100 is a proven contest-winner. Brochure $ .50.

FLYING MODEL WARPLANES
John Fredriksen
69 Flamingo Dr.
Warwick, R.I. 02886
1(401)737-7983
John has compiled an ambitious listing of plans, kits, and semi-kits for warplane models with over 8,000 items and 623 types of aircraft. He lists span, length, flight mode (FF, R/C etc.) co., price, designer etc. for each plane. The appendix contains sources of the stuff in the catalog: organizations, magazines, sources of documentation worldwide. I'd recommend a copy for your club or library. $14.95 Pub. by Air Age, 251 Danbury Rd., Wilton, CT 06897 Ph.1(203)762-9803.

FLYING SCALE INC.
1905 Colony Rd.
Metairie, LA 70003
Exciting model plans for rubber scale ships using both old and new construction techniques. Planes are from the Golden Age of flight, WW I and WW II. A bit on the difficult side, but definitely state-of-the art, beautiful models for plan collectors and expert modellers. Their Japanese Zero rubber job can be built as a floatplane or with automatic retract, operating undercarriage. Plans are $6.00 and $8.00 with over 70 to choose from. I cannot speak too highly of the late Bill Galloway's work. SASE for listings.

(7)

FLYING START
10460 Ambassador Dr.
Rancho Cordova, CA 95670
1(916)638-2421
Ernie Johnson, says Plenny Bates, in Indoor News and Views, has several nice No-Cal plans for indoor beginners. The AVI-205 flies great for the Cedar Rapids group, and costs only $1.50. Catalog also $1.50.

FLYING T MODEL CO.
2852 Avenal St.
Los Angeles, CA 90039
1(213)582-9323
Roger Teagarden's new catalog includes many interesting small stick and tissue scale plans and 3-views, largely antique and vintage subjects. He also has thin aluminum paper and sheet, frisket paper, decal paper, Brown C02 motors and special CO2 (refrigerator) oil, nitrate dope in colors, vintage tissue, and an asst. of acid-etched small parts such as strut fixings, perforated prop bosses, instrument bezels. Worth a look. Catalog $2.00. I have not ordered from him, but have talked to his charming wife on the phone.

FLYOFF
c/o R. Halschek
316 Grosvenor
Douglaston, NY, 11363
The quarterly of the Skyscapers club is professionally edited and of great interest to FF modellers who fly FF endurance events. 5 issues for $10. made out to "Skyscrapers."

FREE FLIGHT UNLIMITED
6769 Angels Lane
Tucker, GA 30084-1302
Haven't tried his service, but Lin Cochran stocks mini electrics, Co2's, Jetex, and gives a 10% discount to NFFS members. Send a large SASE for his 14-page catalog.

FRESNO MODEL AIRPLANE CO.
2512 E. Menlo
Fresno, CA 93710
1 (209) 298-8962
Old Timer models kits.

GENE DUBOIS MODELS
P.O.Box "C"
Acushnet, MA 02743
Gene has a "wide range" model kits and stuff like a wood stripper. I have not seen his new catalog, but it is recommended by the ol' Red Baron, Earl Van Gorder, so it must be good.

GEYER, HARRY G.
81 W. Bruceton Rd
Pittsburgh, PA 15236
1(412)653-0178
Harry makes a neat little glue gun for small and fragile models based on a small plastic bottle with a nozzle kept free of glue by a built-in wire unplugger. I love it! Works with cellulose or R/C 56. $10. Call him.

GIFFORD, HERB
417 Howerton Rd.
Catasauqua, PA 18032
1(215)266-6539
Books for sale. I have no experience dealing with Herb, but he has some interesting books at reasonable prices on his list dealing with full sized aircraft. SASE for list.

GLEASON ENTERPRISES
1704 29th. Ave. S.E.
Rt.2, Box 125
Austin, MN 55912
1-(507) 437-3781
Dick Gleason runs a finder service for plans you may be looking for. Many scale plans and 3-views plus plan scaling. Van Gorder thinks his latest catalog is $2.75. Also a non-scale computer list (51 pages) of over 3,000 items.

GOLDEN AGE REPRODUCTIONS
P.O.Box 1685
Andover, MA 01810
A new owner has taken over this business which lagged in recent years due to the illness of its founder, Joe Fitzgibbon. The plans and kits are some of the best available. The illustrated plan and kit catalog is $ 2.50. For $ 8., I believe, you can still get one of their classic reduced-plan books, a great source of inspiration!

GREGA, JOHN
355 Grand Blvd.
Bedford, OH 44146
Scale plans at reasonable prices. Dallaire, Lindberg, others. $1.00 will bring list and sample plan. Sounds like a bargain.

GREGOVSKY, RADEK PLANS
Svermona 1371
26601, Beroun - 2
Czechoslovakia
Radek's plans, according to John Fredriksen, are "incredible." With 495mm to 621mm spans, his five models are for rubber and Model CO2. Prices run from $5. to $7. plus $3. postage. Suggest you send a couple of International reply coupons (avail. at your P.O.) when asking for a list. Present models include D-7, Kl.61, P-47, Bf109e and Bristol D Scout. I haven't seen 'em, but defer to John's judgment.

GULF COAST MODELS
20007 Pinehurst Tr.Dr.
Humble, TX 77346
Iron Mike's plans are of a good size for scale, and are proven fliers in contests nationwide. Send lg.SASE for list. His "Grace" could compete in unlimited rubber or Wakefield... New plans for 1993: 36" FE2b, 26" Sopwith Schneider. $6. ea.pp.

HALL'S BOOKS
Box 658
Plaistow, NH 03865
This is Fred Hall's address for his great book on indoor scale models. Don't know the present price, but it used to be quite reasonable and informative.

HARBOR FREIGHT
3491 Mission Oaks Bl.
Camarillo, CA 93011-6010
1-800-423-2567
Cheap tools, mostly large, but they deliver free on orders over $50. Great deals on small riffler files, bench drill presses, precision screwdrivers, 1" belt sanders, jigsaws, etc. Free tool catalog.

HARDING PRODUCTIONS
4782 Unity Line Rd.
New Waterford, OH 44445
Professional video of 1992 Flying Aces NATS at Geneseo, NY. $24.95pp. Simply outstanding!

HARLAN MFG.
15 Happy Hollow Rd.
Wayland, MA 01778
Scale, balsa stripper, rubber stripper. Stuff for indoor types.

HANGAR PILOT
Dr. John B. Martin
2180 Tigertail
Miami, FL 33133
"Doc" Martin puts out the longest-running newsletter with character in the hobby (150th issue just arived)! The Miami Indoor Aircraft Model Association is a leader in the indoor scene internationally. $ 12.50/yr. will get you this n/l chock full of news, plans, hints, and Doc's philosophy. A winner!

HANNAN'S RUNWAY
Box 210
Magalia, CA 95954
Bill is one of our top modellers and designers. His contributions to modeling include a monthly column in Model Builder magazine, contacts with model movements all over the world, author of Peanut Power(just re-printed),the Peanuts and Pistachios series of books, the latest of which is called Model Plans and 3-Views International and is superb, countless magazine articles, and the "Runway", a unique mail-order boutique run with his charming wife, Joan (pronounced Joanne). They carry highly-selected and unique things like autogiro books, the fantastic EAA Flying and Glider Manuals from the early thirties, all types of aircraft books, model plans from Uruguay, 3-views, model accessories, whimsy, and lots more. Ask about their "how-to" for beginning modellers book section. Catalog $1.00.($2.00 foreign). Brochure for SASE. Highly recommended!

HAUGHT GRAPHICS
Route #1 Box 978
Munising, MI 49862
1-906-387-4670
Dave Haught has about 70 interesting and unique plans for rubber scale ships, most of them peanut from the Caudron C-460 or the Antoinette 1912 for $2.00 a throw. He also publishes a book entitled Building With Kids with over 20 projects for clubs or youth groups ($20.) Send a large S.A.S.E. for a copy of his listings.

HiLINE, LTD see REES INDUSTRIES

HIRSCH ,R.S., SCALE RACEPLANE DRAWINGS
8439 Dale St.
Buena Park, CA 90620
Hundreds of great scale drawings for raceplanes. He has a list, but I don't know what it costs at present.

HOLMAN PLANS
P.O.Box 741
San Bernardino, CA 92402
Mostly R/C plans, but Bob carries over 100 FF gas, rubber plans, and 3-views from the Aeromodeller Plan Service (APS). The APS catalog is $ 5.00 plus postage. Ask for the H.J. Towner plan list of FF scale subjects.

HUGHES, WENDELL
RR 2, Morell
Prince Edward Island COA 1SO
Canada
Wendell has, according to Van Gorder, a spring-controlled elevator system for catapult models that prevents the ol' high speed loop. For $2.00 and a SASE, you can get a drawing of the system and an aircraft list.

INDOOR MODEL SUPPLY
Box 5311
Salem, OR 97304
Lew Gillow carries lots of stuff for indoor modellers plus some tested beginners' models such as the Yard Bird, Slow Poke, and 12" hand launched gliders. His wood selection for the kits is outstanding.

INDOOR NEWS AND VIEWS
2505 White Eagle Trail, SE
Cedar Rapids, IA 52403
1(319)362-2969
Editor Plenny Bates, a longtime indoor modeller, edits this indoor newsletter chock full of great things...plans, hints, tips, news of indoor meets and the like. Four issues, $8.00.

HAYES, RAY
36598 Brookhill Dr.
Romeo, MI 48065
I have not seen Ray's 30-page directory called "Designed for the Newcomer" but it sounds intriguing. Directory of rubber-powered kits, supplies, plans, full-size Bostonian plan with "how-to" article, tips, and 50 pictured designs to help you select a project. $3.95 PP
(advertised in Sam Speaks July-Aug 1992)

R.S. HIRSCH SCALE DRAWINGS
8439 Dale St.
Buena Park, CA 90620
Hundreds of great scale drawings for raceplanes. He has a list, but I don't know what it costs at present.

JERRYCO, see American Science and Surplus

JETEX NEWSLETTER: PSSSt Off Sheet
3242 No. DeQuincy St.
Indianapolis, IN 46218
1(317)726-9244
Roger Wathen, Sr. does a fine N/L for Jetex fans which covers fuels, engines, flying, etc. Only Jetex N/I in No. America. 6 big issues for $9 US, $10. Canada, $12. elsewhere (US dollars). Back issues available.

JIM JONES MFG.
36631 Ledgestone
Mt.Clemens, MI 48043
Balsa stripper, indoor wood.

KAPA (Kits and Plans Antiquities)
12366 Nacido Dr.
San Diego, CA 92128
Jim Alaback has started a club for folks who want to preserve and exchange old wood model plans and kits, and to save the history of individuals and companies that created them. The quarterly newsletter, edited by Lou Buffardi, costs only $6./yr., and members can advertise "wanted", "for sale", or "trade" at no cost. Sounds like a deal! Make checks out to "Jim Alaback", not KAPA.

KENWAY MICRO FLIGHT
P.O.Box 889
Hackettstown, N.J. 07840
1(800)541-7471 1(908)850-9239
5 gram electric motor for peanut scale models. This tiny unit is cute, and can be had with gears and different prop/battery combinations. As far as I know, a large SASE should get you a list of what's available. Haven't seen a plane fly with this unit yet, but Tony Naccarato says its OK. May be slow on delivery, though, as they're all home made units. Motor w/o gears, batt. only about $6.- smaller than the Kodak disc-camera unit.

KRESS JETS, INC.
4308 Ulster Landing Rd.
Saugerties, N.Y. 12477
1(914)336-5975
Bob Kress has been experimenting with multiple prop, geared-down power systems using belt drives powered by Cox .049's and Astro .035's and .05's. If you want to use one motor and drive several props, I suggest you might want to keep up with what Bob is up to. Looks promising.

LARKIN, DAVE
685 Farmington Av.
Ottawa, ONT K1V 7H4
Canada
(613)736-9003
Dave carries many diesels, among which are the neat little AE's from England, the most interesting of which are his .2cc and .5cc models (saw the .5 run, and it's a dandy) He also carries the latest .75 Mills replica, reputed to be more powerful than the original. Send for his list or give him a call.

Lone Star Models
1623 57th St.
Lubbock, TX 79412
1(806)745-6394
I have not done business with 'em, but Walter Lester sent me their July 1992 8-page newsprint catalog which looks interesting, mainly for their bulk balsa packs. For a 25% surcharge, they will pick balsa for weight amd grain. They support Flying Aces so they must be a cut above the average hobby shop!

LOST HILLS FREE FLIGHT MODEL AIRFIELD ASSN.
19600 Fairchild, Suite 150
Irvine, CA 92715
You can become a member of the only 630 acre FF-Modeller-owned FF site in the world located off I-5 in California's central Valley. I have a love-hate relationship with the places, as it is fantastic when the weather is good, and the pits when the winds blows and stirs up the gypsum. And there is the Valley Fever danger from the dust. Still, its OURS, and deserves our support. $5.00 for the first year and $3.00 per year thereafter. I urge you to send for an application and support FF even if you never intend to fly there. If you don't support FF, who will?

MACE MODEL AIRCRAFT COMPANY
359 So.119th. East Av.
Tulsa, OK 74128
Don Mace has a couple of beginners' indoor fliers called the P-18 and P-24 (number=inches of wingspan). Great fliers, and easy to build. He also has plans, balsa, rubber, tissue, propellers, and "much more." Send $ 1.00 for catalog.

MARSDEN, ERIC
8 Murray Rd.,
Horndean, Hants PO8 9JS, U.K.
As of Feb.1993, Eric's fine scale dyline plans will be available directly from him, as B2 Streamlines, his former agent in the U.S., has shut up shop. You'll flip over his electric Short Cockle twin seaplane.

MAX-FAX Journal of the D.C. MAXECUTERS
c/o Scott Paisley
775 Quince Orchard Bl., Apt.33
Gaithersburg, MD 20878
1-(301) 330-4453
The Maxecuters are a class act, and have a class newsletter with a separate, build-on scale plan with each issue! The bi-monthly newsletter is something no serious FF Scaler should be without. $ 15./yr.

MICRO-MARK
340 Snyder Av.
Berkeley Hts., NJ 07922
1-800-225-1066
Small tools useful and reasonably priced for the most part. Good brushes, bulk X-Acto blades, Dremels and accessories, world's tiniest power tools, vises, etc. Send 'em your name for a free catalog.

MICRO-X
Box 1063
Lorain, OH 44055
Kits, supplies, and advice on indoor modeling. They make some nice outdoor kits, too. Their Fike "E" is a good follow up to the Lacey. Catalog $2.00.

MICHIGAN ANTIQUE MODELER NEWSLETTER

Karl Spielmaker
4690 Burlingame, S.W.
Wyoming, MI 49509
Quarterly newsletter with something to build in each issue. Interesting and inexpensive. Was $3.00/yr. in 1989...probably more now due to postage increase.

MIDWEST PRODUCTS, INC.

400 So. Indiana St.
P.O.Box 564
Hobart, IN 46342
Teachers, Scout and Youth Group leaders will be interested in Midwest's model programs. They sell class sets of beginners' models, including the Frank Zaic-designed X-18 which was used for many years as the backbone of my Space Museum classes, and which is one of the easiest and best-flying models ever sold. You can get a sampler of their five project models (set #520) by sending $ 8.95. Note: adding an extra thickness of scrap balsa shim between the leading edge and fuselage stick of the X-18 generally improves its performance.

MODEL AVIATION

1810 Samuel Morse Dr.
Reston, VA
This is the official publication of the Academy of Model Aeronautics, the organization that controls most model airplane activity in the U.S. Besides the magazine, members get contest rule books, liability insurance and representation in Washington. Your author has written the Free Flight Scale column in this magazine, which covers all phases of airplane modeling, for the past dozen years. The monthly magazine is $29 /yr. ($10. for schools and $13.50 for libraries) or comes with membership. Membership is $40./yr. for those over 19 by July 1; $16. for a kids not yet 19 by July 1, and $21. for over-65 crowd (submit proof the first time). Write for non-U.S./Canada rates.

MODEL BUILDER

898 W. 16th. St.
Newport Beach, CA 92663
This is the magazine that first published the "Hey Kid" series, and which has always promoted all modeling as a matter of policy. Unfortunately, recent changes in the magazine have made it less desirable for FF scalers than formerly. Monthly magazine is $25./yr, and still a lot better buy the any totally R/C-oriented mag. on the market.

MODEL MUSEUM

3724 John L. Ave.
Kingman, AZ 86401
Gordon Codding is the man that made those rubber stamps for WW-I German camouflage. Obscure and scale plans and 3-views.

MRL

25108 Marguerite Pkwy.
Mission Viejo, CA 92692
Curt Stevens sells Kevlar thread, mylar, graphite, boron fiber. + a new 44" "BABY BOG" KIT INCLUDING A COX .049 FOR ONLY $ 29.95.

NATIONAL FREE FLIGHT SOCIETY

12324 Percival St.
Chester, VA 23831
The NFFS is dedicated to promoting free flight through publication of the 10-issue per year digest (professional quality),sponsoring events of national and international interest, running a plans service and putting out symposium papers. Serious FF modellers are encouraged to join. One year membership and Digest sub. for $ 15.
original source microfilms. SASE for list.

NEELEY , Charles L. ,PLANS AND SCALE DRAWINGS

P.O.Box 3963
Visalia, CA 93278
Charlie Neeley has a few well-researched plans and drawings (e.g. N-4 Canuck, Travel Air 200, Taylor Chummy) and has extensive work on the P-51 from his collection of original microfilms.

NEW YORK INDOOR TIMES

Edmund S. Whitten, Jr.
P.O.Box 176
Wall Street Station
New York, N.Y. 10005
1-(212) 724-0282
Ed is the guy who keeps indoor fliers from Maine to Maryland up to date on what is going on in indoor flying. $ 10. for 10 issues.

NOWLEN AERO

139 Boardwalk
Greenbrae, CA 94904
Interesting Peanut model kits.

1919-1939 AIR WARS

8931 Kittyhawk Av.
Los Angeles, CA 90045
I saw a couple of their magazines a few years ago and they looked pretty good.

O'REILLY, JIM FF SOURCE LIST

4760 N.Battin
Wichita, KS 67220
Jim has a list similar to, and predating this one. It includes many references I have not included. I think a dollar will bring it to you.

OLD-TIMER MODEL SUPPLY

P.O.Box 7334
Van Nuys, CA 91409
Ken Sykora's "1930's Model Shop" is just that. No R/C cars or Indian beadcraft...just stuff like plans, balsa, colored nitrate dope, tissue, balsa prop blanks, rubber, bamboo, Hinoki wood, all types of balsa wheels, and an exciting catalog which is an instant collectors' item which you can get for $2.00. Highly recommended.

ONE-TO-ONE PLANS

2200 W. Cornwallis Dr., Apt.308
Greensboro, N.C. 27408
1(919)288-2944
Stephen Lambert lists about 25 inch-to-the-foot plans, mostly scale ships, from his very nice Baby Ace for .02 power to a Luscombe 10. The plans are $5.50 ea.pp. Send SASE for list.

OPPEGARD Mfg.

140 E. Golden Lake Ln.,
Circle Pines, MN 55014
I hear via Vol Libre that Bob Oppegard has a fine quality rubber stripper. I haven't seen it.

PECK POLYMERS

Box 710399
Santee, CA 92072
Telephone: (619) 448-1818 FAX (619) 448-1833
Sandy Peck's "one-stop" source of the stuff used in the Hey Kid beginners books. It is HIGHLY RECOMMENDED. Model-for-model, Peck has more winners than any other manufacturer I know. The model projects covered in Volumes 2 and 3 of this series come from Peck's. Their line of really good kits, supplies, and plans is second to none for the beginning modeller, though you would probably not be interested in their R/C blimps just yet! She carries a full line of CO2 and electric stuff, too, including the Gasparin (Czech) CO2 engines, the world's smallest. Their extensive and fascinating catalog is $ 3.00.

PALMETTO AEROMODELLERS

3013 Sigmund Circle
Columbia, SC
David G. Smith edits a 2 to 3-time-a year rvl for this Flying Aces-oriented group with lots of interesting stuff. Nice, certainly worth your $5./yr. support.

PAPER AIRPLANES INTERNATIONAL

A.I.R.
433 Nihoa St.
Kahului, Hawaii 96732
1(808)244-4667
Ray Roberts sells what is probably the largest selection of paper airplane stuff in the world. Each item in his expanded catalog, which weighs over a pound, contains hundreds of items illustrated and checked on a formal with some 20 categories as to how many models there are, whether it flies, die cut or not, difficulty level, etc. Cost of $18.00 ($23. outside USA) deducted from first order. "Free" card model included with catalog. Many nice scale models.

PASTIMES

4944 Commerce Parkway
Cleveland, OH 44128
1(800)372-5282
This is a diversified outfit which does not carry many flying models, and I have never ordered from them. Doug Dahlke says it is worth a look, and I agree. They handle a cute Rearwin Speedster kit for $12.99 and a Fleet Canuck on floats for $9.99 which might fly well. They also have a line of useful junk from small tools to die-cast planes and dollhouse kits. Phone 'em for free and ask for their catalog.

POND, BERT

128 Warrenter
Longmeadow, MA 01106
Bert is the expert on compressed air motors in the U.S.. He sells plans, his book on compressed air motors, and motors themselves. Suggest sending a large S.A.S.E. for his listings.

POND, JOHN, PLANS SERVICE

P.O.Box 90310
San Jose, CA 95109-3310
John Pond has probably the largest selection of plans anywhere! He has four different catalogs: Free-Flight, gas-powered, Rubber and Towline Scale Models A-K, and Scale Models L-Z. Catalogs are $ 1.50 each.

REES INDUSTRIES
301 Yearling Dr.
Goldsboro, NC 27530
Dave Rees, one of the world's leading FF scale modellers makes a popular 10:1 winder for big rubber jobs. Turns counter-clockwise. Dave has also assumed HILine, started by Don Srull and Tom Schmitt with its great small electric motors ,excellent ducted fan units, and accessories for 180-300 sq. in. wing models.

REPLA-TECH INTERNATIONAL
P.O.Box 461000
Cole Branch
Los Angeles, CA 90046-1000
Alain Proteau now owns Repla-Tech. Good source of scale documentation on your favorite airplane. 3-view drawings and photos galore! Bob Morrison's plans range from his own to imports. Especially good coverage of race planes. Catalog $ 2.50. Note: 2-27-92 Dave Hodges has had trouble getting in touch with 'em, and I haven't heard anything since. Better risk a post card first before sending money.

ROSS, Donald H.
38 Churchill Rd.
Cresskill, N.J. 07626
Don's book, Rubber-Powered Model Airplanes has a lot of good information for the beginner and intermediate modeller, and even a couple of chapters on scale. It is well worth the $15.00 PP price, and can be obtained from Pecks, Hannan's, Old-Timer Model Supply or from Don himself at the above address, where he'd be glad to autograph one.

SAMS
The Chapel, Sandon
Herts, SG9 OQJ
England.
"FLY IT LIGHT-FLY IT FREE FLIGHT" is the motto of SAMS, George Wallbridge's mail-order house in England. His 58-page catalog, with lots of pictures and drawings is an inspiration, and is FREE (except you need to send two U.S. dollar bills to cover postage.) He has over 1600 goodies in stock, including about everything that's available in the U.S. plus plenty of stuff that's not, like the R.Preston Aerographics scale plans, McHard .007" acetate 1/18 scale pilot heads, K and P 10:1 winders and electric flight units, Telco CO2 spares, and the first of a new series of kits, (a 24 1/2" Westland Widgeon that looks promising and a dynamite Hawker Hart by Westwings.) Visa and Mastercard O.K., but no checks or stamps.
I suggest you stuff two bucks in an envelope with your name and address, put on a 50 cent stamp and get it in the mail today!

SCALE FLIGHT MODEL CO.
1219 So. Washington St.
Bloomington, IN 47401
Jack Fike has 120 old Comet/Megow 'Dime Scale' re-kits, reprints of prewar model catalogs, machine-cut props, and plans Good prices Send SASE for his listings.

SCALE MODEL RESEARCH
2334 Ticonderoga Way
Costa Mesa, CA 92626
1-(704) 979-8058
Bob Banka has a great collection of photos made up into packs ranging from three or four to dozens of shots on particular planes. Bob Banka's extensive collection includes 3,100 plus photo packs plus 10,000 three-views in his 72-page $ 4.00 catalog make it worthwhile for scale nuts. Money-back guarantee, too.

SCALE PLANS AND PHOTO SERVICE
3209 Madison Av.
Greensboro, NC 27403
1 (919(292-5239
Dr. Lyle Pepino has a large reference collection of 3-views, cutaways, magazine articles, etc. for copying, plus plans and photo packs in his 66-page catalog.($4.00) No personal contact with his service, but it looks good, including plan enlarging facilities.

SCALE STAFFEL
Tom Arnold
325 F Ave.
Coronado, CA 92118
435-2759
Tom edits one of the nicest compact newsletters for FF Scale nuts around. I think the monthly treasure trove is still $ 10./yr., but can't find a recent copy to check right now.

SCHLEUTER FREE FLIGHT MODELS
3508 Poinsettia Ave.
Manhattan Beach, CA 90266
If you liked building the Flying Aces Moth, you will have to make Schleuter's Pacific Ace and low-winged Black Bullet. Kits are available in 20",30" and 40" wingspans! Send S.A.S.E. for information.

SCHLOSSER ASSOC.
Box 412,
Ridgefield, NJ 07657
I'm not familiar with Ed Schlosser's service, but Vol Libre mentions him as a source of indoor supplies and Oldtimer rubber.(whatever that is)

Scientext
48 Whitney St.
Westport, CT 06880
Peter Wank's service features electric scale applications (such as his Sikorsky S-43) Plan sets are full-size with manual, photos, schematics. from $9.95. Photo catalog $2. plus lg. SASE. Van Gorder recommends him.

SIG MFG. CO.
401-7 South Front St.
Montezuma, Iowa 50171
SIG is big. Despite an emphasis on the higher-profit R/C items, they do carry a number of beginners' kits, among which is the SIG Cub 24 (which benefits from using a 9" plastic Peck prop instead of the one supplied) They have winders, rubber, lube, dope, tissue and other useful stuff for beginners. Their HUGE catalog is $3.00

SIMPLE SIMON AIRCRAFT CO.
P.O.Box 18
East Longmeadow, MA 01028
Phone. ((413) 592-3615 or (413) 782-3872
Tom Nallen's simple stick fuselage model kit for beginners (easier than Peck R.O.G) and a four-pack of all-sheet variety gliders for youth groups. A case of 24 Simple Simon 14" wingspan ships is $ 59.76 plus shipping and comes with a money-back guarantee! Step-by-step building instructions.

SKYWAYS: The Journal of the Airplane 1920-1940
See WW I Aero. Same deal, price, excellence but for Golden Age planes. Highly recommended.

SMALL SCALE CUSTOM SERVICES
Spring Meadow
Fyfield, Andover
Hants., SP11 8EL
England
Tel: 0264 773487
Lindsey and Jane Smith run a service recommended to me by John Fredericksen. They have vacu-formed pilots with character from peanut (1/32" scale) to inch-to-the foot size made from .007 acetate sheet. Wheels, molded from .020" styrene range from 1" to 2 1/2". Radial 7 and 9 cylinder engines run from 35mm dia. to 57mm. Cockpit canopies are molded in .010" acetate and fit most Earl Stahl designs plus Veron and Keilkraft. Send 'em a dollar bill for postage and they'll send you a listing. Worth a look!

SPORT FLYERS ASSN.
4145 Travis, Suite 202
Dallas, TX 75204
1-800-745-3597
The new kid on the block as far as model organizations go. Its main appeal is $25./yr for liability insurance and only $15. if you fly rubber. You can also get Model Builder Magazine for only $10. with a membership, which is a BIG saving. You could belong to SFA and get MB for just the price of MB alone. Maybe it is worth a try? You will still want to belong to AMA, of course, so you can fly AMA contests and read my great column and get those spiffy decals...

STARLINE INTERNATIONAL
6146 E. Cactus Wren Rd.
Scottsdale, AZ 85253
1(602)948-5798
Sal Fruciano's stuff appeals mainly to competiton FF endurance guys, but scalers may find a use for his very reasonably priced 8"-11" wooden gas props, D.T.timers, razor blades, thermal sniffer, or round-nose pliers. Catalog $3.

SUPERIOR AIRCRAFT MATERIALS
12020-G Centralia, Hawaiian Gardens, CA 90716
Phone (213) 865-3220
Sal and Mike Taibi's operation. Good source for bass and spruce as well as quality, selected balsa wood, though it will cost you about $25 due to minimum order requirements and handling - UPS The owners are top modellers, and can handle special requests. Anyone who'd wear a loud Hawaiian shirt to a CUFFMAC Banquet just HAS to be good at what he does..

SUPERIOR PROPS
2412 Tucson Av.
Pensacola, FL 32526
(904) 944-1972
Source of excellent "almost-finished" balsa propellers 4" to 14" diameter. Multi-bladers, L.H., and a great free-wheeler collar! Sent a lg. SASE. You won't be disappointed.

SWAMP SQUADRON, FAC
1503 Clairdale Ln.
Lakeland, FL 33801
(813) 680-1336
Dean McGinnes and Co. have sort of home movies of the Flying Aces NATS held at Geneseo, N.Y.. One for 1988,1990,1992 and another of Hangar Flying with Dave Stott and Bob Thompson, founders of the revived Flying Aces movement. Each cassette is $22.95 postpaid. Quality is not what you'd call professional, but good enough to be plenty interesting as historical documents. I must admit that I'd go for the Harding 1992 FAC NATS tape (see Harding) if I really wanted a polished version to show at a Boy Scout meeting. The 1992 Swamp tape is twice as long, though, and covers the Cole Palen banquet talk. Dean also has 14 weird peanut plans. SASE for list.

TAIL SPIN
22 Greenfield St.
So Easton, MA 02375
Editor Mike Nassise puts out the newsletter of the new Bay Squadron, FAC. I have not seen it, but Van Gorder says its "really nice" and has a full-size centerfold plan in each of the six bi-monthly issues. For $5.00, how can you lose? The first two issues featured the Farman 400 and John Livingston's smooth- cowl clipped wing Monocoupe.

T and A HOBBY LOBBY
3512 W. Victory Blvd.
Burbank, CA 91505
* (818) 842-5062
Tony and Addie Naccarato run what can only be termed one of the finest hobby shops in the world. They are both expert in all phases of the hobby from indoor microfilm to R/C giants and are the center for the Blacksheep Exhibition Squadron. They are always up on the latest developments in the hobby, and can always manage to not only get you anything you need, but advise you on how to use it. Highly recommended.

TOPMAC F/F TOPICS
Jack E. Koehler
3425 Arrowhead Rd.
Topeka, KS 66614-3845
Keep up with what is happening in the Kansas, Oklahoma, and Nebraska FF scene with this publication of the Topeka Model Aircrafters Club. Subscription rate is $ 10./yr, though juniors and over-65 can become bona-fide members for less if they are ASMA members.

TRADE-A-PLAN LIST
Just got word that Trade-a-Plan is no longer in business due to personal reasons.

VISTA LABS (VL)
7871 Alabama Av #16
Canoga Park, CA 91304
Hank Fasola has produced excellent small electric motor units for Scale models for many years. Lightweight, geared units with chargers and accessories. Highly recommended. Hank says his new R/C unit with receiver, batteries, and actuator should be on the market early in 1992....weight one ounce total! He's been working on this one for 20 years, so don't hold your breath. Still, this may be the year he gets it out! Catalog $ 1.00.

WARNER, BILL
1370 Monache Ave.
Porterville, CA 93265
1(209)782-9265
Publisher of this list. Author of HEY KID,YA' WANNA BUILD A MODEL AIRPLANE? a step-by-step guide for beginning modellers. The book is illustrated with photos and great line drawings by Jim Kaman. The 14-part series from Model Builder Magazine has been adapted to three books, (available from Hannan's Runway, Peck Polymers, your local bookstore, or direct from me at 1370 Monache, Porterville, CA 93257) published by McGraw-Hill/TAB at $7.95) Vol.1, subtitled "The Peck R.O.G." covers basic aeronautics and aerodynamics via the modified Sleek-Streek and Peck R.O.G. (all models available by mail from Peck's). MOST HIGHLY RECOMMENDED! (I need the money) Vol.2 is titled "The Sky Bunny" (Peck Polymers now has the model kitted: $8.95) and is an intermediate guide, while Vol.3 is called "The Flying Aces Moth" and sells for $10. If you want to order 'em from me, it's $25. the set plus $ 3.00 shipping. Let me know if you want 'em autographed and to whom.

WATTS UP
Paul Clark
Box 5702
Hamden, CT 06518
Paul is relatively new to the miniature electric field. He is the least expensive of growing small electric motor system suppliers. He sells small elec. motor systems, chargers, and an info pack on how to make your own from Radio Shack parts. His models fly well, so why not yours? SASE for listings.

WILDER MACHINE WORKS
2010 Boston
Irving, TX 75061
Beautiful, top quality light-duty winders and torque meters, priced accordingly.

WING TIPS
c/o Scott Smith
R.D.1, Box 290
Athens, N.Y. 12015
This newsletter from the Mid-Hudson Modelmasters maintains a consistent high quality balancing club news with hints and tips and model plans you can build on. It is a monthly, and can be yours for ten bucks.

WISCONSIN PLAN SERVICE
814 No.36th. St.
Sheboygan, WI 53081
No experience with this plans service, but I believe he has a lot of Cleveland plans

WW 1 AERO: The Journal of the Era Aeroplane 1900-1919
15 Crescent Rd.
Poughkeepsie, N.Y. 12601
1(914) 473-3679
Leonard Opdyke's Journal of the WW I and pre-WW I era is high quality and chock full of good solid historical articles, drawings and photos. You could build full-sized airplanes with the stuff in here. Back issues available. $25.yr. for four issues. Well worth it. Back issues avail. Sample copy $4.

*If you check out any of these unknowns, or find any of the others with changes needed in the listings, let me know and I'll make the updates. Thanks!

Bill W.

Laser composing courtesy of Ricardo Mora

ECCLES HOBBY, Ltd.
RR 1, Box 213-B
Burlington, IA 52601
1(319)7R2-3640 OR 753-1179
This has nothing to do with FF Scale. The pleasant lead airplanes Ron and Bob Eccles sell are hand-poured into ORIGINAL molds from the 30's (mostly),40's and 50's, and are definitely non-flying toys. I include mention here because so many of you grew up in those prewar years and will find their stuff fascinating. They also have track and record racers,lots of vintage cars and trucks, figures of all types,wheels, tires, spare parts, original Cracker Jack premiums, and lots more. Their stuff comes either unpainted and unassembled or painted all together. The avg. price unpainted would be about five bucks, a terrific bargain if you've priced this stuff in antique stores. Service is first rate. Catalog "A" is $3.00 (they have a "B", but I haven't seen it.)

EAST-BUILT: As of Jan.1, their address is P.O.Box 425, Lockport, NY 14095. Tel. 1(716)438-0505; Fax 1(716)438-0546. I hear they left Canada to get away from the high taxes.

ENIGHT AND PRIDHAM
Rowlands Castle,Hants.
PO9 6AS,UK
Makers of a fine, clever mini-electric unit with automatic shut-off on impact. Also plastic props for mini electrics and small rubber ships. The 6" and 7" props are available in LH and RH and have replaceable blades. The 5 1/2" one-piece mini-electric prop is re-engineered for high performance,according to Eric Marsden.

SKW PRODUCTS

BOMBBUSTERS plan packet No.2 is now out (see main list for address).
Peanut,Minitich,Catapult,Bostonian,Pistachio,E28, Pennyplane. Some of the designers are Dave Linstrom, Paul McIlrath, Doc Martin, and Ben Bellaff. $8.pp

NEL has a new-scale "Baby R.O.G. (44" span- some baby!) completer with Cox Babe Bee engine and everything except epoxy to put it together, with instructions at a fifth grade level. For $29.95,it comes with an 11-page booklet written at a fifth grade level and would seem a great way to get a kid initiated into gas- powered FF.

A.A.LIDBERG (see main list) has a new plan packet for the Texas Temple Monoplane for $9.60 PP including plan,3-V,panel, decal. It's a cutie!

ALLISON,Mark (small gears for peanuts,pistachios)see main list.
New address: 727 N.W. 16th. St.,Corvallis,OR 97330

ANTIQUE AIRPLANE ASSN.
Antique Airfield
Rte.2, Box 172
Ottumwa,Iowa 52501
1(515) 938-2773
Brent Taylor, the Executive Director, sent me some samples of the AAA News, and the AAA Digest which are chock full of dynamite pictures, 3-views, and information you just can't get anywhere else. If you have a special interest in any of the following plane types, they have a club and newsletter for it! Pietenpol, Fairchild, Corben, Great Lakes, Parrakeet, Hatz, Interstate, Rearwin,Travel Air and Culver. They have a deal right now for 140 issues of back publications going back 25 years for only $95. UPS paid! I haven't seen many deals that good for a long time! Memberships are available, of course.

DIABOLO SQUADRON,FAC
1206 Hale St.
Concord,CA 94518
Looking for an active Flying Aces club in the S.F. Bay area? Also, they have super tee-shirts!

ECCLES BROS.Ltd.
RR 1, Box 253-D
Burlington,IA 52601
1(319)782-3840 OR 753-1179
This has nothing to do with FF Scale. The slush-cast lead airplanes Ron and Deb Eccles sell are hand-poured into ORIGINAL molds from the 30's (mostly),40's and 50's, and are definitely non-flying toys. I include mention here because so many of you grew up in those prewar years and will find their stuff fascinating. They also have track and record racers,lots of vintage cars and trucks, figures of all types,wheels, tires, spare parts, original Cracker Jack premiums, and lots more. Their stuff comes either unpainted and unassembled or painted all together. The avg. price unpainted would be about five bucks, a terrific bargain if you've priced this stuff in antique stores. Service is first rate. Catalog "A" is $3.00 (they have a "B"for "semi-flats", but I haven't seen it.)

EASY-BUILT: As of Jan.1, their address is P.O.Box 425, Lockport, NY 14095. Tel. 1(716)438-0505; Fax 1(716)438-0546. I hear they left Canada to get away from the high taxes.

KNIGHT AND PRIDHAM
Rowlands Castle,Hants.
PO9 6AS,UK
Makers of a fine, clever mini-electric unit with automatic shut-off on impact. Also plastic props for mini electrics ans small rubber ships. the 6" and 7" props are available in LH and RH and have replaceable blades. The 5 1/2" one-piece mini-electric prop is re-engineered for high performance,according to Eric Marsden.

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DIELS ENGINEERING, in their (their? it's just Dave Diels) new 1993 Spring newsletter announces 1/24 scale rubber kits of the Spitfire and Hurricane from Wingleader Hobbies in New Zealand. Not Diels kits, and are missing decals and Jap tissue (no canopy in the Hurri) but are only $12.ea. plus $3.00 shipping ($11. for the Hurri). Dave is accepting advance orders for a limited-run Globe Swift patterned after the 25-cent Comet Swift of the 50's. $18.00 + $3.50 shipping.

DOMEDUSTERS plan packet No.2 is now out (see main list for address). Peanut,Ministick,Catapult,Bostonian,Pistachio,EXB,Pennyplane. Some of the designers are Dave Linstrum, Paul McIlrath, Doc MaDOMEDUSTERS plan packet No.2 is now out (see main list for address).
Peanut,Ministick,Catapult,Bostonian,Pistachio,EXB,Pennyplane. Some of the designers are Dave Linstrum, Paul McIlrath, Doc Martin, and Dan Belieff. $8.pp
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MRL has a non-scale "Baby R.O.G. (44" span- some baby!) complete with Cox Babe Bee engine and everything except epoxy to put it together, with instructions at a fifth grade level. For $29.95,it comes with an 11-page booklet written at a fifth grade level and would seem a great way to get a kid initiated into gas- powered FF. The 1993 catalog is now out full of miracle materials.

COMPUTERS AND RUBBER MODELS.
4614 Mitchell Road,
Kingsbury, TN 37664
Fred Rash,has sent me his Rubber Model Program Pack, which is supposed to get just the right rubber motor, prop, etc. for your model and get the maximum out of it. The bibliography he used in setting up the program , which I can't run on my computer as it is on a small disc, is impressive. . If you are into this sort of thing,I suggest you contact Fred.

BOB ISAACKS CANOPIES
4335 Field Meadow Dr.
Katy,TX 77449
1(713)855-6853
Bob will vacuum form any canopy that fits his 6" X 7" platen for only $5.00 plus postage. Send his your finished mold (coated with epoxy resin if possible) and he'll return it and the gorgeous new canopy. Canopies without the mold will cost an extra $20. Call him about your special needs. The photos of his work show A-1 results.

FERRELL PAPIC
300 W. Lincoln #82
Orange,CA 92665
Ferrell, who has as more ducted-fan experience than almost anyone, has just fi ished a superb 60-page book on this interesting field. It covers building the MIG 15, both as a rubber profile and 19" or 25" electric versions,with the techniques applicable to any ducted-fan project. He also cover how to do markings with a color dot-matrix printer, build your own props and fans, vacu-form a canopy,and lots of other useful stuff. The price of $24. (+ $4. S/H in US) is a little stiff, but if you want to get into successful ducted fan building and flying, you can't find better info. or plans.

STARLINE Products,(see main list) according to Jim Haught, has a new line of model pins which have ball heads modeled over a flange so they won't pull off, and which have sharper points and thinner shafts! Sounds too good to be true. Still, at $7.00 per 100 plus 10% postage, it's believable.

A new club in the USA

I have just received the first news letter of a new club called KAPA – Kits and Plans Antiquitous. It is devoted to the preservation, exchange and interest of wooden model aeroplane kits and plans, their history and the companies and individuals who created them. I know a good few people who would like to join. Membership is $6 and includes a quarterly news letter. (Extra postage if necessary). Free advertising for members to buy sell and exchange, and lots of news of repro kits etc. Cheques should be made payable to Jim Alabeck and sent to him at 12366 Nacido Drive, Sandiego, CA 92128.

BERMAN,BARRY
1375 N. Broadway, E-6
Escondido,CA 92026
Barry has carbon fiber "tow" which comes to about ten yards with lots of little hairlike fibers that really add strength to the places on models where they are stuck on. For a buck and a SASE, how can you go wrong? He also has drawings for the BVoreing 80, highly-detailed with views, construction, interior, marking, color schemes interior and exterior. Plan measures 18" X 84". $10.PP

NETCRAFT CO.
2800 Tremainsville Rd.
Toledo,OH 43613.
Domedusters report they have telescoping 16 and 20' poles. Free catalog. Note: About five yrs. ago Roger Dunn, a golf store chain, also carried a telescoping pole for ball retrieving that is fine for low-ceiling work(and cheap,under $10.on sale.)

NFFS Publications/Supplies
For a list of NFFS supplies and publications including British FF Forums, send a SASE to Fred Terzian,4858 Moorpark Av.,San Jose, CA 95129.

SCHULTZ SCALE PLANS
910 Broadfields Dr.
Louisville, KY 40207
Domedusters lists him as a source of Oldtimer scale plans. SASE.

SKYBLAZER
P.O.Box 33
Ozone Park, NY 11417
Vicki Alu, acc. to the Domedusters, sells fun flier kits, plans, and accessories. SASE.

WILLIAMS,PETER
13 Southminster Rd.
Cardiff, So. Glamorgan
CF2 5AT WALES
ENGLAND
tel:(0222)-490501
John Fredricksoh sent me the nine page catalog of plans this gentleman carries (prices average about one and a half British pounds). Lots of scale models from Drome, Aeromodels, Airdya, Astral, Frog, Keil...has afew Jetex scale jobs, too. Send two dollar bills for the list.

YESTERYEAR PLAN SERVICE
3517 Kristie Dr.
Erie, PA 16506

WE SUPPORT JIM MCNEILL FOR AMA E.V.P.

MIAMA MEMBERS - FREE P-NUT MARTIN MO-1 KIT

PART I

DAVE "VTO"LINSTRUM-DOC MARTIN MASS FLY OF M-A-L MARTIN MO-1.

Anouncing a new contest flying one of Dave "VTO" Linstrom"s design models.

The first mass launch will be at McDill on March 19th or 20th, 1994. All planes must be a M-A-L "LIL-PLANE" Martin MO-1.M-A-L will send you a FREE kit of their new line of P-nut type kits for $1.00 to cover packing and shipping. Proof of purchase will be the box LABEL.This first contest will honor Doc. Martin,and each year we will pick out one of the Miama modelers to honor. Each year another M-A-L "LIL-PLANE" will announced for the contest. These kits are different from the usual run of p-nut kits. These kits will sell for $8.95 P.P.There will be seven or eight of Dav Linstrum's kits as well as WW1 & WW2 as fast as we can develop them. You can get two kits for a ten dollar Bill. We Want your comments on this new type kit so that we may improve them as we come out with new kits. Closing date for this offer and contest is Jan.1,1994.

Our Address is Model Aircraft Labs.,108 So. Lee St.,Irving,TX.75060.

Prizes are a $30.00,$20.00 & $15.00 gift certifate for Indoor Balsa Wood or Kits from M-A-L.

Dear Doc;

How does this look to you? Any changes you think that need to be made go ahead. "LOOKS GOOD TO ME - DOC"

The name "LIL-PLANE" or PLANES" will not only cover P-nut 13" span butno-cal and any rubber model up to 24" span. This name will be a regestered trademark. I plan to make the old time kits that I help make at Golden Aircraft Corp.here in Dallas in 1935 where I learned to cut balsa and also designed kits for them. The line about the prizes should be above my address. Any questions just give me a phone call. 214-438-9233.

CONTEST ANNOUNCEMENT:

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PART II MO-1 CONTEST:

Thank you,
Ed Seay Sr.

MIAMA WILL SPONSOR A POSTAL MO-1 CONTEST FROM NOW TO MARCH 20. GET ED'S KIT AND SEND IN YOUR TIME AT AN INDOOR SITE TO MIAMA HQ. BY MARCH 20. TIME IS SHORT-GET BUILDING. SEND IN YOUR TIME ON POST CARD

PUT ED ON YOUR COTTAGE WINGS LIST

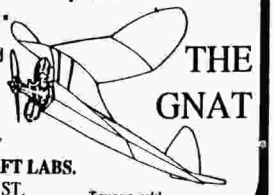
THE MAYFLY



Span 12.75"
Length 12.5"
$12.95
post paid

THE ORIGINAL Since 1951
Both Free Flight Planes for .010 to .020 Engines
and with Redi-Cut Parts

Span 12." Length 11"
$9.95 post paid



THE GNAT

MAL

MFG. BY
MODEL AIRCRAFT LABS.
108 S. LEE ST.
IRVING, TEXAS 75060

Texans add 8.25% sales tax

F1D U. S . TEAM SELECTION for 1994 Indoor World Champs

by Cézar Banks

FROM SAN DIEGO ORBITEERS

(16)

The old Goodyear hangar, sold to Loral Defense Systems a couple of years ago, has a new look. Gone are the acres of dirty, greasy floor machinery and most of the internal buildings and hanging cables. Lots of clear floor space, fewer roof leaks and generally a more air-tight building makes it with its 180 feet to the girders, a "primo" Cat IV site. Even so, suitable air conditions for microfilm models in all dirigible hangars are strongly affected by outside weather. We got lucky here. Labor Day weekend fell between two strong storm systems. Inside temp was a relatively cool 70–75 degrees during the noon to 1900 flying hours; a departure from the 85–95 degrees seen at the '79 and '85 finals at Akron. Drift and ground gustiness were present but manageable. As usual, late afternoon air was best.

The big news was the new TAN II rubber. In spite of the cool temperature, its performance was superb. I brought both some new TAN II I got from Fudo and my dwindling inventory of bits and pieces of old Pirelli. I used Pirelli exclusively for rounds 1,2,3 on Saturday and had "respectable" but not outstanding times. Meanwhile, '88 team member Steve Brown and '90 team member Bob Randolph were showing what TAN II could do with good models and reasonable air. Steve's 48:37 is

FAI INDOOR TEAM SELECTION FINALS
LORAL AIRDOCK, AKRON OHIO—SEPT 4–6, 1993

CONTESTANT	BEST FLIGHT	2ND FLIGHT	TOTAL (Best 2)	FINALS PLACE	FINALS POINTS	REGIONAL POINTS	TOTAL POINTS	TEAM PLACE
Steve Brown	00:48:37	00:47:54	01:36:31	1	1000.00	100.00	1100.00	1
Bob Randolph	00:45:35	00:43:19	01:28:54	2	921.08	100.00	1021.08	2
Cézar Banks	00:45:57	00:45:01	01:30:58	3	942.50	75.00	1017.50	3
Bob Gibbs	00:43:43	00:39:26	01:23:09	4	861.51	88.18	949.69	4
Larry Loucks	00:41:20	00:38:35	01:19:55	5	828.01	99.08	927.09	5
Rich Doig	00:39:59	00:39:49	01:19:48	6	826.80	100.00	926.80	6
Gary Underwood	00:38:39	00:37:57	01:16:36	7	793.65	88.07	881.72	7
Don Slusarczyk	00:38:49	00:36:28	01:15:17	8	780.00	100.00	880.00	8
Bill Hulbert	00:36:28	00:35:32	01:12:00	9	745.99	91.78	837.77	9
Tom Vallee	00:33:45	00:32:52	01:06:37	10	690.21	98.59	788.80	10
Dan Belieff	00:34:51	00:28:45	01:03:36	11	658.95	100.00	758.95	11
Larry Mzik	00:33:20	00:31:56	01:05:16	12	676.22	76.01	752.23	12
George Chabot	00:32:01	00:31:40	01:03:41	13	659.82	86.04	745.86	13

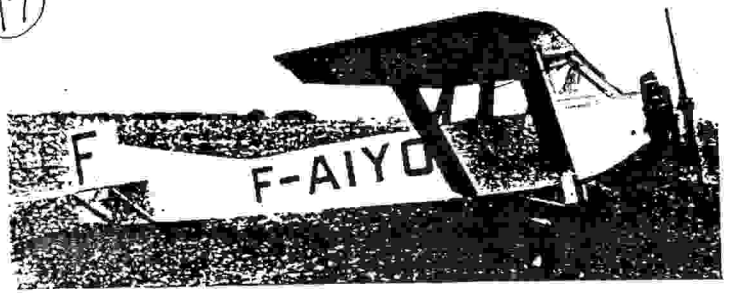
the best F1D flight ever at Akron, besting Jim Richmond's 47:23 at Akron in 1980 done with the then-young Pirelli. I determined to try the TAN II for rounds 4, 5, 6 on Sunday.

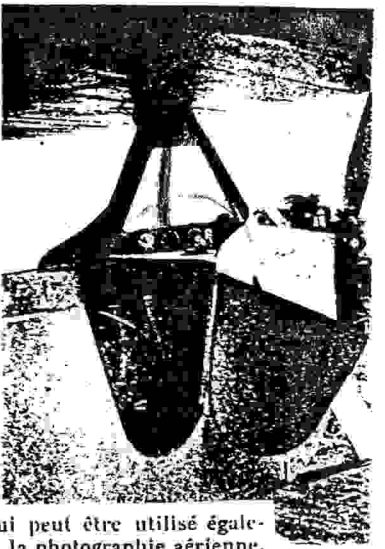
As you can see from the tabulated results, rounds 5 and 6 put me on the US team one more time. Steve Brown followed up his Saturday heroics with a nearly as spectacular 47:54 on Sunday to post the highest two flight total ever flown in the history of F1D. All on TAN II and this could very well be only the beginning! I feel the TAN II rubber is at least as good and probably better than the '81 Pirelli (my prior favorite) was when it was new. The aging Pirelli is becoming difficult to wind because of increasing brittleness and also exhibiting some loss of its once-potent energy release. It may still have some advantage in a place like the Romanian saltmines where temperatures are a steady 50 degrees but that remains to be seen.

And speaking of Romania, it is now rumored that they may not make a bid to host the '94 World Champs as they had indicated was their intention earlier. So we'll have to wait until the December FAI meeting in Paris to learn more. Meanwhile, rumors for other potential hosts include the US (Moscow, Idaho), England (Cardington) and Japan (a new site with a 138-foot ceiling). Time will tell.

PS: We all owe a big vote of thanks to Ed Dolby of FAI Supply for making TAN II happen. Incidentally, Fudo and I have a supply of Tan II which we can

(17)





ANOTHER FARMAN WORTH MODELING FROM ALAIN PARMENTIER - MIAMA'S MAN IN FRANCE.

Construction :

Ailes en deux parties, soutenues par des tubes de duralumin profilés.

Fuselage coque fermé par des couples caissons et un revêtement nervuré, en contre-plaqué. L'habitacle comprend deux places à double commande et strapontin.

Train à amortisseurs oléo-pneumatiques ; pneu de 650×100.

L'appareil peut être équipé de tous les moteurs de 100-150 CV environ, en étoile et à refroidissement par air. Il est actuellement muni du moteur Salmson 120 CV.

Deux réservoirs d'essence en charge dans les ailes (total : 150 litres) et un réservoir d'huile de 10 litres.

Prix de la cellule : 45.000 francs.

Caractéristiques (moteur Salmson 120 CV) :

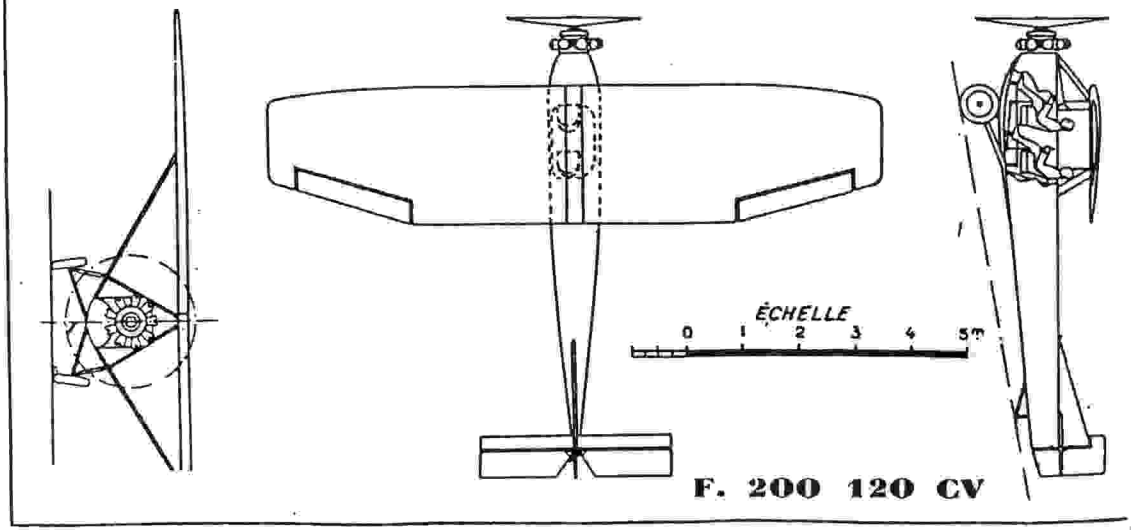
Puissance	120 CV
Envergure	11 m.
Longueur	9 m.
Surface	25 m²
Poids à vide	620 kg.

Cet avion de tourisme qui peut être utilisé également pour l'école, la poste, la photographie aérienne, comme avion estafette ou comme avion de bord, est un monoplan semi-cantilever, construit en bois et duralumin et toile, qui dérive de l'appareil à conduite intérieure F 190.

Performances

Vitesse au sol	155 km./h. à 185
Vitesse à 1.000 m.	150 km./h. à 182
Vitesse à 2.000 m.	140 km./h. à 176
Vitesse commerciale	140 km./h.
Montée à 1.000 m.	12'
Montée à 2.000 m.	28'30
Plafond théorique	3.100 m.
Rayon d'action	500 km.
Roulement au départ	200 m.
Roulement à l'atterrissage	160 m.
Consommation d'essence	35 lit. à l'heure

L'AVION DE TOURISME FARMAN



F. 200 120 CV

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GLENN CURTISS IN FLORIDA.....In 1912 Curtiss founded the 1st Florida flight school at Miami Beach. Later, he built a field in Hialeah and in 1918 donated it to the 1st Marine Air Wing. During the 1920s, Glenn founded the cities of Hialeah, Miami Springs and Opa-locka. He donated the Curtiss Hialeah Airport to the city in 1927 (Miami Municipal and later called Earhart Field). He built the airport at Opa-locka and designed and built the first travel trailers in his "Aero-Car Co. of Florida" at Opa-locka. Glenn died of a ruptured appendix in Buffalo, N.Y., in 1930 at age 52.

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