DROP EVERY THING!
HERE IT IS-
YOUR COPY OF

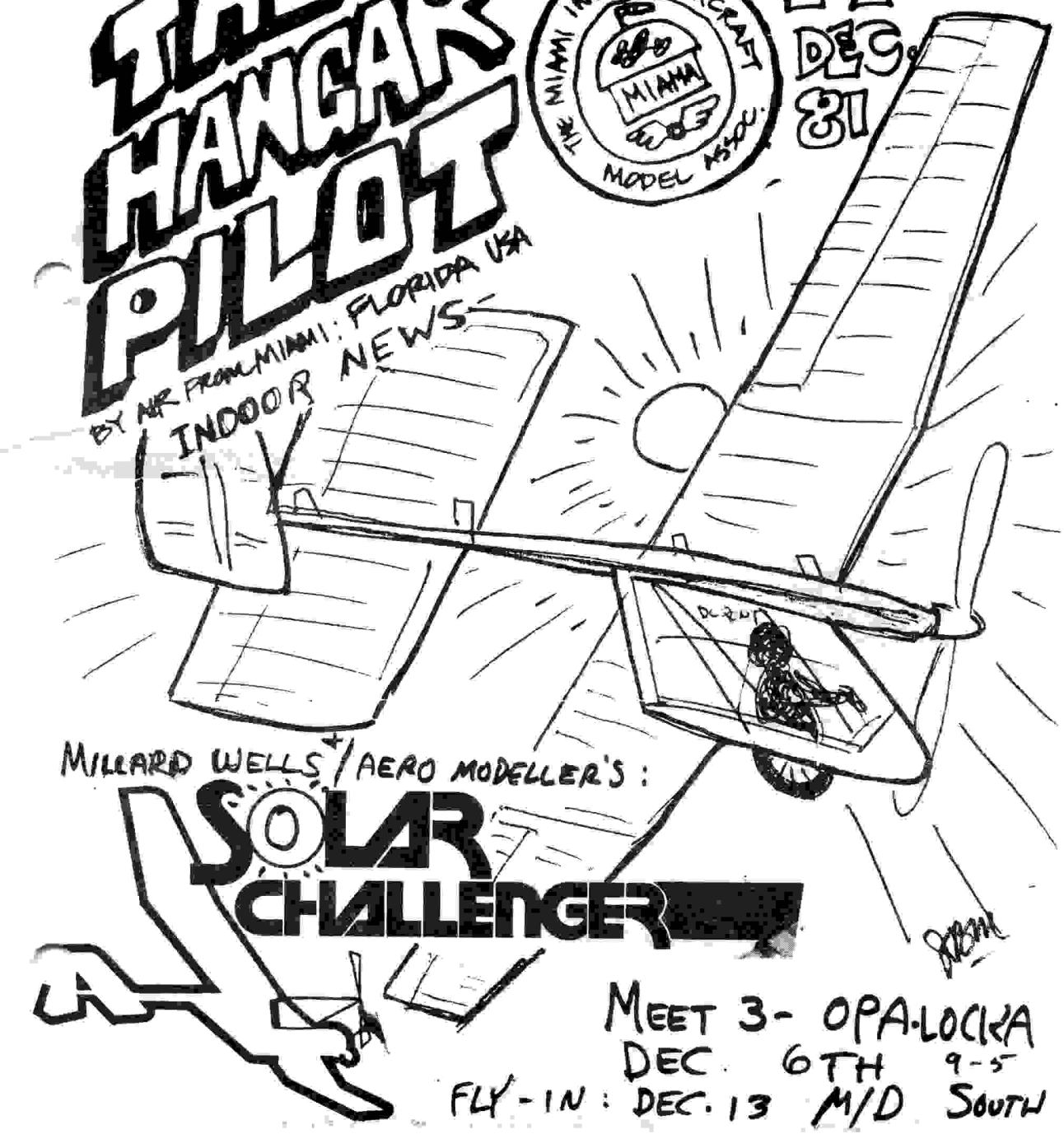
MIAMA
CLUB 986

ISSUE
74
DEC.
31

THE ONE AND ONLY! HANGAR PILOT

BY MR FROM MIAMI: FLORIDA USA

INDOOR NEWS-



MEET 3- OPA-LOCKA
DEC. 6TH 9-5
FLY-IN: DEC. 13 M/D SOUTH

THE HANGAR PILOT



Is published 8 (or 9) times a season by Miami Indoor Aircraft Model Association (MIAMA) AMA Club 986, the only active all-indoor club publication in the AMA. For $5.00 a year you will receive all 8 editions, and an additional $5.00 makes you a member of MIAMA (Indoor isn't for everyone!) Send contributions, letters, plans, 3-views, articles, gripes, and MONEY to:
MIAMA Dr. John Martin 3327 Darwin St. Miami, Fla. 33133

Pres./Editor: Dr. John Martin Jr. Scale Judge: Dan Kilgore
Secy./Illustrator-Reporter: Dave Linstrum Awards and Archives: Terry Rimert
Peanuteer: Carl Hedley Retrieval: Jim Stewart, DON B
Overseas Correspondant: Butch Hadland UK Youth Activities:
Technical Articles: Bill Hiscock Mike Arak, and Ernie Clark

FREE FLIGHT CONTEST : SUN NOV. 22 8 TO 3 WELLINGTON FLA
CD LEE CAMPBELL POB 5996 LAKE WORTH - 305 - 968 - 1045
NEXT MIAMA MEET DEC. 6 OPA-LOCKA 858-6863 CONFIRM

MEET #2 : BUMP HANGAR NOV 8 '81

I don't getno respect.....Here is Doc Martin, world renouned Peanut expert, and scale modeler...winner of National and International meets, and what happens?? FIFTH at a local meet in Peanut. I tell you it's a catastrastrope! You guys are supposed to let me win (As Jim Thorpe used to tell the early pro football teams in the 1930's).

Peanut Speed is proving hard to negotiate the course (Twice around two pylons 20 feet apart). Not much activity in Bostonian/Manhattan. A Zillian entries in the ever popular Peanut event. Proxy entries, and multiple entries sure boost the field. Most enter more than one Peanut.

A- 23 (Brown C)/2 Motor) is in the embryo stage. Noone seems to know what to do with it. As the motor comes in the box it is WAY too powerful for indoor...Ask Walt Everson. As much as he's cut down on the thrust it is still too strong. Onward and upward in the quest of knowledge to push the frontiers of indoor up your nose.

A slight resurgence of Junior activity (I've quit trying to encourage kids...let 'em stay home and watch TV I say). Heather and Sue Arak, C. Rodberg, Dave and Steve Bal, and Carl Linstrum. O.k.? Hey, Ernie, where's the Pompano Gang?

For however long we have it, BOY, the hanger is SURE GREAT !!

RESULTS: MEET 2 OPA-LOCKA BLIMP HANGAR - 11/8/81

PEANUT EVENT:
1.Mike Arak (Lacey 34.5) 4 Pts, 3 looks, 1 flight (52.8)(50.0)
2.Dave Kiefer(Sopwith Tripe 39.5) 1 looks,5 flight (6 Pts.)(41.0)(33.5)
3.John Martin (Nieuport 17C 37.0) 6 Pts: 2 looks, 4 flight(42.0)(39.8)
4.Carl Hedley (Lacey 29.8) 4 looks, 3 flight (7 Pts) (43.2)(45.0)
5.Millard Wells (Voyager 17.6) 14 Pts. 12 looks,2 flight(46.0)(45.0)
X J. Martin (Bloch Twin engine)(26.8) 5 looks 10 flight(28)(13)
6.Jim Stewart(Church Midwing 23) 15 Pts: 8 looks,7 flight(26)(27)
XMillard Wells (Lark 15 22.5) 16 Points:9 looks, 7 flight(32)(21)
7.Walt Everson(Taylorcraft 26.0)17 Pts:6 Looks,11Flight(17.0)
M.M. Wells(PAMA 20.6) 17 Pts.:11 Looks, 6 Flight(34.0)(32.0)
8.Bill Hiscock(Proxy Pressett)(BD-4 22.0) 19 Pts:10 Looks,9 Fl(25.5)(24.7)
Did Not Fly: Stewart(Eaglet 22.5)Martin (14-Bis 32.5)Wells(Witman VW 26.5)
Everson(Waco 28.0)

SCALE EVENT: 1.Dave Kiefer 80 Static, 74 flight 154(Lacey M-10)
2.John Martin 79 Static, 56.7 Flight 135.7(Alco Sport)
3.Mike Arak 82 Static 45.6 Flight 127.6(Lacey M-10)
Did Not Fly: Everson,Cougar 60 Static

GLIDER: 1. Don Bal (56.4)(57.3)
2. Jim Stewart (28.3)(29.5)
Juniors:1.David Bal (17.8)(19.6)
2.Steve Bal (11.9)(7.9)

MANHATTAN/BOSTONIAN
1. Walt Everson 45
2. Carl Hedley 41

PEANUT SPEED:
1. John Martin 2 Pts (17-c 37.0) 1 Static 1 Flight (17.2)
2. Mike Arak 4 Pts.(Lacey 34.5) 2 Static, 2 flight (30.0)
Did Not Fly: Kiefer (Pitts 37.0), Martin(Dayton/Wright 27.0)

EASY B: 1.Jim Stewart 8:54
2.Walt Everson 7:35.5
3.Carl Hedley 5:21.8
JUNIORS: 1.Heather Arak 23.0
2.Sue Arak 15.0

OLD TIMER ROG - A "SAM" EVENT
1.Walt Everson 4:42
2.Mike Arak 3:22
3.John Martin 2:27
JUNIORS:
1. Rodberg :38
2.Heather Arak :28

PENNY PLANE:
1.Mike Arak 6:08
2.Carl Hedley 5:20
3.JUNIORS
1.Heather Arak :38
2.Sue Arak :12



MERRY CHRISTMAS

NEXT MEET DEC. 6 OPA-LOCKA 9-5 CONFIRM- 887-6361

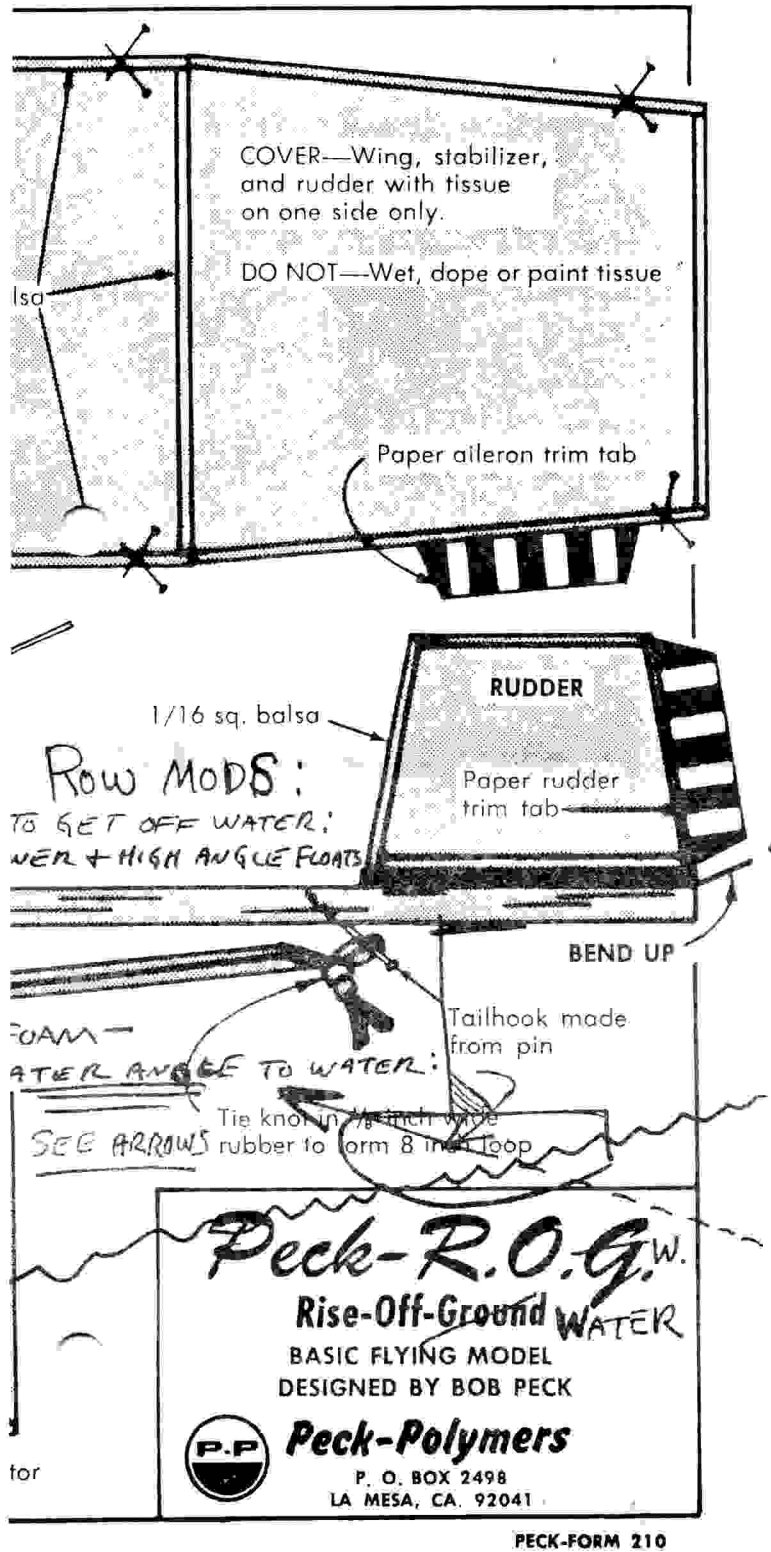
3

SOLAR CHALLENGER.

DRAWN & TRACED BY-A.A.P LLOYD © 1981

SCALE: FEET

Plan No. 3038, price £1.50 inclusive of VAT and 25p P&P from the Aeromodeller Plans Service, P.O. Box



ERNIE CLARK'S ONE④ DESIGN EVENT:

PECK ROW

GET KIT OR BUILD FROM THESE PLANS

DEC 13, 9 TO 5

FUN FLY MIAMI/DADE SOUTH COLLEGE



ERNIE'S CHRISTMAS PARTY

SAT. DEC. 12

PAPER GLIDER RESULTS.

1. MIKE ARAK 14.3 WOW!
2. MIKE WELLS 10.0 - SUPER!
3. BATES 7.0
4. DON BAL 6.9
5. DAVE KIEFER — 6.5
6. JOHN MARTIN - 6.0
7. MILLARD WELLS - 5.8
8. DAVE BAL (JR) 5.0
9. CARL HEDLEY 3.8

Also entered: Earl Prescott, Sue + Heather Arak, Steve Bal. (13 entries) M/D South

FROM FLY-IN NOV. 13

NOTE INK SOLAR CELLS ON C·D PAPER... BEFORE COVERING · TAPE C·D TO SMOOTH SURFACE

FOAM

1/32 SPRUCE

WIRE LOOP ON BOTTOM OF WING RECEIVES RIGGING

1/32 x 3/32

NOTE · · BUILD WING + STAB UPSIDE DOWN · ·

1/64 SPIKE

1/64 NOTCHED SPAR ℄

WHITE

HALF WINDSHIELD · CUT FROM THIN PLASTIC

DUPONT

RED LETTERS

BLACK

1/32 □ SPRUCE

TOP VIEW

1/64 NOTCHED SPAR

1/32

GLUE RUDDER W/CONTACT CEMENT · · FOR EASY RUDDER ADJUSTMENT · ·

PAPER TUBE & GLUE TO WING + STAB

NEO TUBE

ALL RIBS 1/32 □ SPRUCE

.015 WIRE

HOOK DETAIL

.015 WIRE

"SKEETER" PROP (NORTH PACIFIC)

FRONT VIEW

5/32 MED. HARD BALSA LTR. STICK

FOAM

RED LETTERS

DUPONT

MIDISC

1/64 RIGGING GUSSET · · GLUE TO MOTOR STICK · LOCKS REMOVABLE NOSE

FOAM

DUPONT

SOLAR CHALLENGER

BLACK

SIDE VIEW

PAINT DETAIL ON PLASTIC FLAT · · SECURE BACK EDGE W/ DOUBLE TAPE

1/32 BALSA Fly Wheel PAPER TUBE AXLE

"SOLAR CHALLENGER"

PEANUT SCALE

BY MILLARD WELLS NOV·81 MIAM

REF. MODEL AIRPLANE NEWS JUNE 81

BEST OFFICIAL TIME 33 SEC. WT. 6 GR.

7

Did you cover the plan with waxpaper or plastic wrap?

FRONT VIEW OF WING

Glue wing tips at angle. Use dihedral gauge for correct setting.

WING

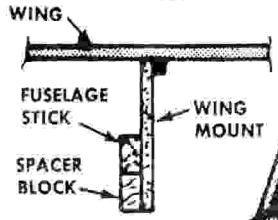
1/16 sq. balsa

COVER—Wing, stabilizer, and rudder with tissue on one side only.

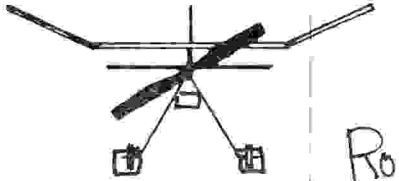
DO NOT—Wet, dope or paint tissue

Paper aileron trim tab

Paper aileron trim tab



WING MOUNT DETAIL FRONT VIEW



FRONT VIEW

WING MOUNT

1/16 sq. balsa

1/16 sq. balsa

RUDDER

Paper rudder trim tab

ROW MODS:
TO GET OFF WATER:
LOTS OF POWER & HIGH ANGLE FLOATS

FUSELAGE STICK

BEND UP

SPACER BLOCK

Prop assembly

CARVE FLOATS FROM FOAM—
MOUNT AS SHOWN, OR AT AN EVEN GREATER ANGLE TO WATER.

Tailhook made from pin

SEE ARROWS

Tie knot in 1/8 inch wide rubber to form 8 inch loop

STABILIZER

1/16 sq. balsa

Pin parts to plan

DO NOT stick pins through wood.

FLOATS ARE 3/4" WIDE, & SQUARE

Wheel assembly

Paper elevator trim tab

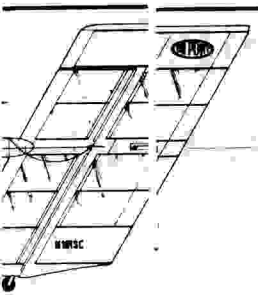
Peck-R.O.G.W.

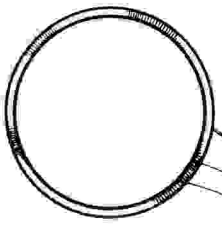
Rise-Off-Ground WATER

BASIC FLYING MODEL
DESIGNED BY BOB PECK

Peck-Polymers
P. O. BOX 2498
LA MESA, CA. 92041

COPYRIGHT 1973 BY PECK-POLYMERS

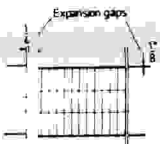




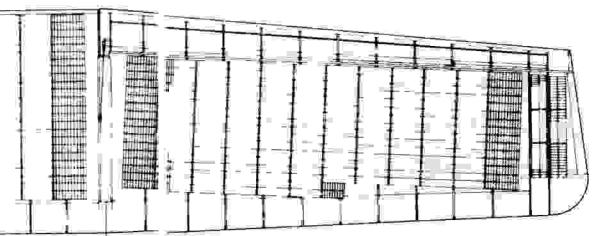
This form of tube used for Fuselage Boom & Wing Spars



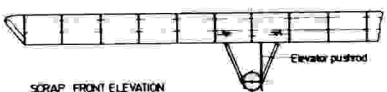
Small diameter C.F. tubes used for Fuselage structure, Stabiliser spars, Fin & Rudder frame



ENLARGED VIEW OF ONE UNIT OF SOLAR PANEL ARRAY



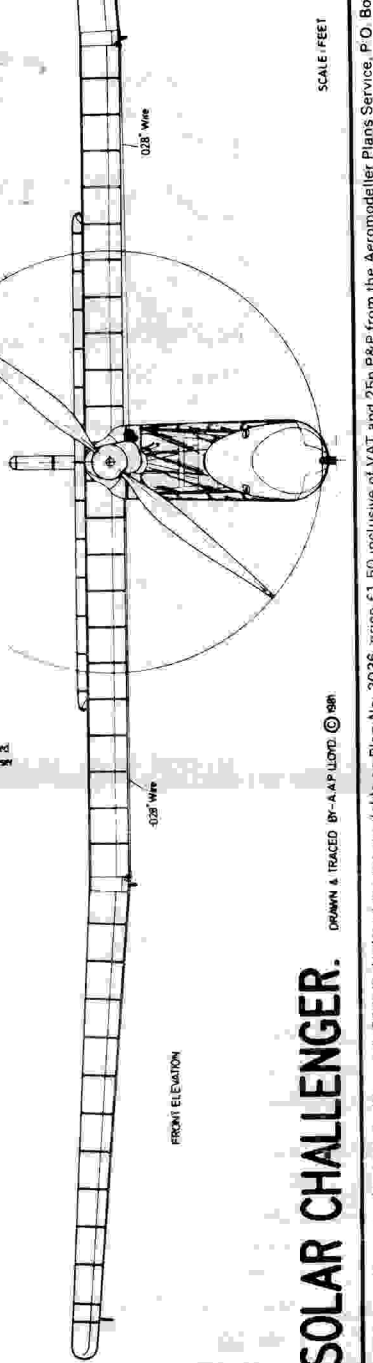
Transparent MYLAR' & thin ply (L.E.) gap fairing strip taped on



SCRAP FRONT ELEVATION OF REAR MOUNTING FOR STABILISER.

Fuselage boom

Variable pitch propeller



FRONT ELEVATION

SCALE: FEET

SOLAR CHALLENGER.

DRAWN & TRACED BY A.A.P LLOYD © 1981

Dyeline prints to the scale of 1/17.1 th of these 1/60th scale drawings are available as Plan No. 3036, price £1.50 inclusive of VAT and 25p P&P from the Aeromodeller Plans Service, P.O. Bo



WING SPAN 46' 8"
LENGTH O/A 30' 4"

Aircraft designed and constructed by AEROVIRONMENT INC., PASADENA, CALIFORNIA.



SOLAR CHALLENGER 3-VIEWS FROM AERO-MODELLER JUNE '81

(8)

(9) HEY, YOU GUYS GET PUBLISHED! SEND HANGAR PILOT YOUR ARTICLE OR COMMENTARY OR PLAN, OR INTERESTING 3-VIEW, OR TECHNICAL ARTICLE.



Bowerbird

'Extinct' bird is alive, mating

WASHINGTON — (UPI) — A type of bird believed to have died out nearly a century ago has been found in a mile-high New Guinea rain forest in an elaborate tower of boughs and fruit built to attract its mate, the National Geographic Society said Tuesday.

In a statement released by the society, which has supported his research, Jared Diamond said the bird looks like "a fat, chunky robin with an incredibly glorious, golden-orange crest."

Diamond, a professor of physiology at the University of California Medical School in Los Angeles, accidentally found the bird in January.

Bowerbirds take boughs, sticks, flowers and other flora to build complex towers that can be seven feet high. The bowers are an aviary men's club, used only for mating.

Male bowerbirds face a lot of rejection while trying to mate, succeeding only once in every 200 attempts, Diamond said.

Once successful, he said, the male bowerbird "is the ultimate chauvinist," promptly kicking the female out of his bower to build her own family-raising nest in another tree.

The yellow-fronted bird builds a tower of sticks criss-crossed against a sapling or fern tree, Diamond said. At the base is a circular moss platform three feet across. Diamond saw one male bird on a platform trying to attract a mate with three neat piles of colored fruit.

CORRECTION: LAKEHURST NIXED INDOOR MOST LIKELY BACK AT NORTHWOOD

ANNOUNCEMENT.....ANNOUNCEMENT: The Nats WILL NOT be held at Lakehurst, but will be held back in Dayton,Ohio...which leads me to believe that indoor Nats will be back at West Baden June 20 to 22, rather than the much criticised U. of Cincinnati Field House of the 1980 Nats. We shall see.

ERNIE CLARK'S CHRISTMAS PARTY. The details on the announcement on the back cover are as follows: Sat. Dec. 12th at 7:30. Take I-95 to COPANS exit in Pompano. Go East to 9Th Ave. Go North on 9th Ave, and look for all the Christmas decorations.....2601 NE 9th Ave, Pompano.

Information? Call 1-943-3299...The Clarks. Also note Ernie is sponsoring a one design event at the next fly-in at M/D South on Dec.13. We will build a lake in the Gym for the seaplanes to take off.(Lake Clark) You will find it is NOT easy to R.O.W. , but it IS alot of fun trying.

NOT MUCH COMMENTARY YET on the request for Peanut Rules suggestions. We have heard from Jack Carter, Jim Miller, Charles Sotich, and we will present the various views when we accumulate enough for an article. So..lets hear from you on your views on PEANUTS

OUR MAN OUTSIDE - TERRY RIMERT



THE JIM KLOTH MEMORIAL OLD TIMER' and GATHERING of the TURKEYS MEET

The meet this year had a sort of dissapointing turn out. A little of this was because of three other meets being held on the same weekend in the district, but not much of the fault was there. A lot of people had just had enough contesting for a while. Or had financial reasons, or a big list of other things, but one way or the other, they picked a good meet to miss. I don't mean they should have missed it. I mean it was a swell meet, and they should have come to this one. The weather on Saturday was pretty warm, a little breezy, and had vary strong thermals. On Sunday, the weather was mild, with overcast, and less wind, and softer thermals. After McLaughlin and Buckets played hide the plane in the clouds early Sunday, no one had trouble getting their plane back. About 80% of the flying was for test purposes or just for the heck of it. The other 20% was for officail contest flights. A few new people showed up to take the place of the regulars who didn't. Most from the RC ranks. Seems like a lot of them are switching or spreading out a lot. They had some great scale models and O'IT. Rubber models. After a season in which the Old Timer models seemed to get more and more popular, why does the big fall Old Timer meet have a drop in contestants?

THE SAME GOES FOR SCALE MODELERS

Where do all the scale models go? If K-Mart and Pic and Save find it profitable to carry Comet scale kits in their stores, they must sell a bunch, but where do they go after they leave the store. I know that most of them arn't finished, but still with all that there are sold, even one in 40 or 50 would put a lot of scale rubber models flying around. You never see them. Once in a while you see people flying Ukie models in vacant lots, but the scale modelers must wait till night and fly when no one can see them. We need a way to convince these people that we would like to meet them, and gdtting together to fly models is more fun, and a lot of help when they need to find a better way to do things too. But you can't even begin to do that if you never even see them to start with. Anybody got any answers????

INDOOR FLYING:

MEETS AT OPA-LOCKA BLIMP HANGAR SUNDAYS 9-5

DEC. 6	MAR. 14
JA. 10	APR 11
FEB. 14	MAY 9

FLY-INS

MIAMI DADE SOUTH

SUN. 9-5

DEC. 13	MAR. 21
JAN. 17	APR. 18
FEB. 21	MAY 16

DON'T FORGET - ERNIE'S CHRISTMAS PARTY DEC 12

1ST CLASS
NOT JUNK MAIL

JIM MILLER
827 YORKHAVEN RD
CINCINNATI OH 45240

TO:

THE LARGEST INDOOR NEWS INSIDE
THE HANGAR PILOT
EDITOR: DR. JOHN B. MARTIN MIAMA
9117 DORMAN ST. MIAMI FLORIDA 33153