



Official Newsletter of the Southern Ontario Glider Group

TASK



Affiliated to the Model Aeronautics Association of Canada

OFFICIAL NEWSLETTER - JANUARY, 1991

Vol. 7 - #1

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NEW YEAR'S RESOLUTIONS 1991

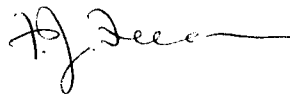
Traditionally, this time of the year has been given over to the agonizing (and always debatable) subject of expressing our personal goals for the coming months; perhaps some of us carry out this soul-searching survey of our good intentions in all seriousness; others may find that by airing their most fervent desires, they can achieve some measure of direction for the year.

It is really a question of lining up the options and assigning to each of them a degree of priority - the catch is that there are always more probabilities than there are possibilities, and because there is only so much spare time to be allocated for the purpose of carrying out our plans, we feel we have to decide very definitely which is more important. The difficulty may lie in the problems of what to build (or in fact whether to build) for the upcoming season - should you go ahead and build that "super sailplane" or would it be more prudent to stay with last season's favorite in the hope of improving your understanding of it and therefore the performance?, or, perhaps you have to decide whether to change radios, or to compete more (or less) than last year.

The most important thing about New Year Resolutions is not how many we make, but how determined we become to make sure we carry them out, so go ahead and make those resolutions, but be prepared to committing your will and effort in order to bring about their fulfilment.

We have a new Executive this year and I would like to express my thanks to them for standing for election and to wish them all the best in their respective tasks.

'till next time remember to
"Drift with the lift"



F. J. F.

P.S. My own resolutions ?

- 1) More "Algebra"
- 2) A little experiment along with Peter Ashton
- 3) And a new scale 'job' WHEW!!

F.J.F.

Received in the mail from Paul Riedlinger a sample of square section strip of Beech. It is very flexible in all directions. I will bring a sample to the meeting and pass it around for your evaluation. (Thanks a lot, Paul - you are first with the news in 1991!)

**WISHING ALL A HAPPY AND PEACEFUL
YEAR IN 1991.**

FILLED WITH LEAD

Safe and efficient method of filling ballast tubes

— Dave Jones

You would think that pouring lead into ballast tubes would be easy, but the surprise was that it wasn't. The first attempts were quite nasty, the lead tried to shoot out of the tube, it 'froze' too quickly and developed cavities. Experimentation and a spot of research has led to the following method:

EQUIPMENT

Melting & Pouring Vessel — an old alloy saucepan will suffice, a plumbers ladle is ideal.

Heat source — a gas oven is ideal.

Tube Rack — Somewhat like a test tube rack, but made in Aluminium sheet, see illustration.

Spill Tray — a metal tray of some sort to catch any spillage, often found under the grill or in a nearby cupboard. It can be filled with sand for extra safety.

Scum Remover — an old fork will do nicely.

Tube Handling Tool — for transferring hot tubes to the rack.

TUBE PREPARATION

1. Cut to length—short lengths are much less troublesome than long ones. Copper tube is best.
2. Drill holes of about $\frac{1}{16}$ in. diameter along one side at about 1 to 2 inch intervals. These serve two functions: to prevent gas pockets developing and to locate the lead firmly in the tube.

POURING

1. Prepare the work area, make sure that nothing is placed awkwardly and that the height from which you pour is comfortable. Position the spill tray and tube rack.
2. Put the lead on the gas and melt it. Meanwhile get the tubes hot over a gas burner.
3. When the lead is ready remove any scum with an old fork and transfer the tubes to the rack.
4. Steadily pour lead into the tubes until they almost overflow. Wait a while for the end to contract and top up until

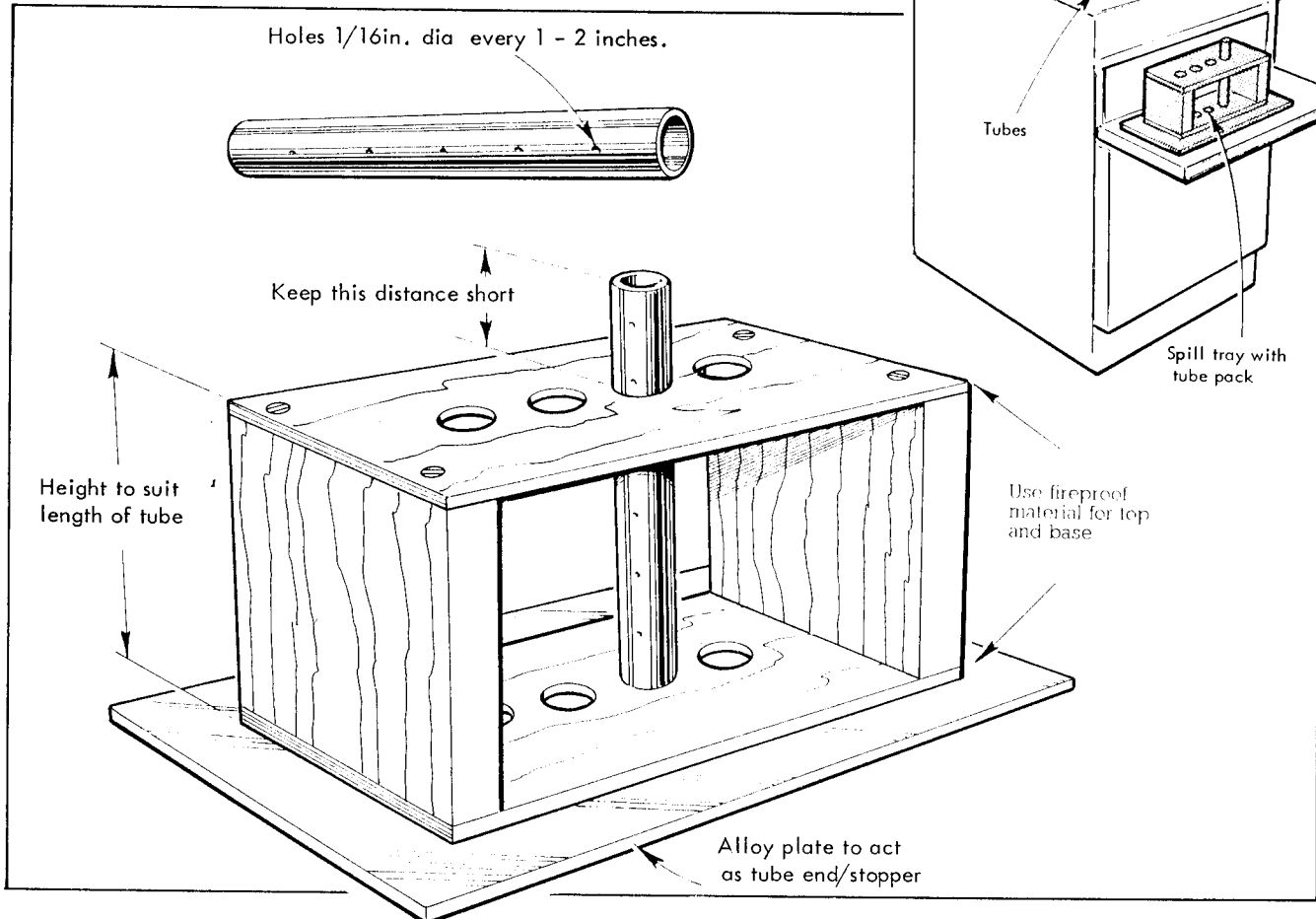
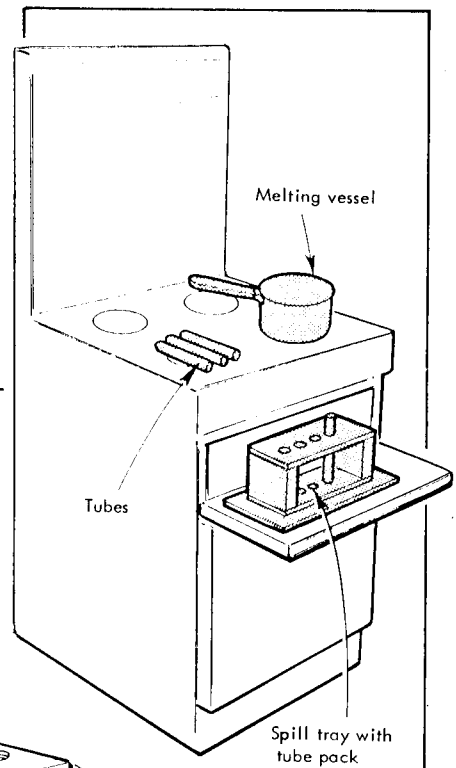
almost overflowing again. Allow to cool.

FINISHING

1. Cut off any 'dribbles' from the holes in the side of the tubes, file the 'poured' end flat.
2. Weigh all the weights to check for consistency. Any light ones will have cavities in them, these can be placed in the melting vessel to clear the tube for another try.
3. Clean the tubes up and number/label them in any desirable fashion. Standardised lengths do not require labelling.

SAFETY

Any hot metal is dangerous, lead is not so bad as some, but it still demands respect. Wear face protection, a pair of sunglasses is better than nothing, wear leather gloves and shoes and think the operations through carefully before starting. Good luck and be careful.



(STOLEN FROM AN OLD ISSUE OF R.C.M.+E)
WITH THANKS TO ED.

MINUTES OF S.O.G.G. ANNUAL GENERAL MEETING
held December 16th.1990 at Beverly Town Hall.

Meeting opened at 1325, with Fred Freeman in the Chair - 22 present. Fred welcomed all attendees and called on the Treasurer to give the meeting a brief financial statement.

The meeting then turned to the business of electing officers for 1991. Nominations were called for from the floor.

Nominations for PRESIDENT:

- | | | |
|----------------|--------------------------|----------|
| 1. W. Woodward | Nominated by F. Freeman | Declined |
| 2. W. Klebert | Nominated by K. Fritz | |
| 3. F. Freeman | Nominated by W. Woodward | Declined |

Werner KLEBERT elected

Nominations for VICE PRESIDENT:

- | | | |
|-----------------|-------------------------|----------|
| 1. Peter Ashton | Nominated by F. Freeman | |
| 2. K. Fritz | Nominated by W. Rodgers | Declined |

Peter ASHTON elected

Nominations for SECRETARY:

- | | |
|---------------|-------------------------|
| 1. W. Rodgers | Nominated by F. Freeman |
|---------------|-------------------------|
- No further nominations

William RODGERS elected

Nominations for TREASURER:

There being no nominations for this post Gerry FRITZ volunteered to continue for 1991.

Nominations for NEWSLETTER EDITOR:

There being no nominations for this post Fred FREEMAN volunteered to continue for 1991.

As a result of the above elections the Club Officers for 1991 are as follows:

PRESIDENT:	W. KLEBERT
VICE PRESIDENT:	P. ASHTON
SECRETARY:	W. RODGERS
TREASURER:	G. FRITZ
EDITOR:	F. FREEMAN

The meeting then passed on to other business:

1. Proposed by W. Woodward and seconded by F. Freeman that the membership consider the reinstatement of our Constitution. Passed unanimously.
- 1a Proposed by S. Shaw, seconded by K. Fritz that a Committee be formed for the purpose of carrying out a review of the constitution with a view to amendment. Passed unanimously.
- 1b. Proposed by C. Packham, seconded by P. Ashton that W. Woodward be appointed head of the Committee with Bud Wallace as partner. Passed unanimously.

2. SOCIAL ACTIVITIES:

Proposed by P. Ashton, seconded by W. Moar that efforts be made in 1991 to activate a Social Committee in order to involve members' families. This matter was discussed, but since further suggestions and no firm motions were put forward, it was decided to re-introduce the subject at a later meeting.

3. WINGS PROGRAMME:

As part of the Club's progressive policy the idea of instituting a Wings Programme was raised by Stan Shaw when he informed the meeting that M.A.A.C. intended to introduce a revised Wings Programme for 1991, including Wings Programme qualification for Glider Pilots. Several points were put forward such as:

- who decides the status of current experienced fliers?
- should we "Grandfather" all our senior members?
- what form would qualifications take?
- who decides when a person is qualified?

Stan mentioned that the current R/C Sailplane Committee under Niel Tinker were working on the details and that these should appear in the upcoming issue of "Model Aviation Canada" - we decided that we would wait and see!

4. OTTO BANDMANN MEMORIAL:

W. Woodward suggested that we consider the inauguration of a perpetual trophy in some appropriate form for the purpose of honouring our Ex-President. This suggestion, although being discussed at some length, was not resolved and was put on hold for the time being.

5. TRANSMITTER IMPOUND:

F. Freeman then raised the question of a transmitter impound; after some discussion it was decided by the meeting that this was unnecessary, since members had adequate means of impounding transmitters.

6. ALBERT FUND'S WINCH:

The question of replacing the battery for the winch was raised by W. Woodward, and it was suggested that we might find out what the cost would be and report at the next meeting. F. Freeman to report.

7. DUES:

After some preliminary discussion, the meeting was generally of the opinion that present dues were quite acceptable.

8. FIELD STATUS:

At the present time it is difficult to assess the position with regard to the field, but members were assured that, until told otherwise they should continue to use the field at the Community Centre.

A preliminary review suggested that we may have to pay for the use of the field - a figure of \$500 was put forward. However, the final decision on this matter rests with the Flamboro Recreation Committee, with whom we are in close contact. A decision will probably be made at their meeting in January. Suggestions for the formation of a Field Acquisition Committee were not acted upon at this time.

9. 10 ft. PRO-RUNNER:

Werner Klebert announced that he was making sets of drawings for his 10 ft. Pro-runner available to members. The going price is \$8.00 per set- the proceeds, Werner indicated, would go towards the purchase of better class prizes for our competitions. Here is a chance to buy the plans of a real winner and put a little money in the kitty at the same time.

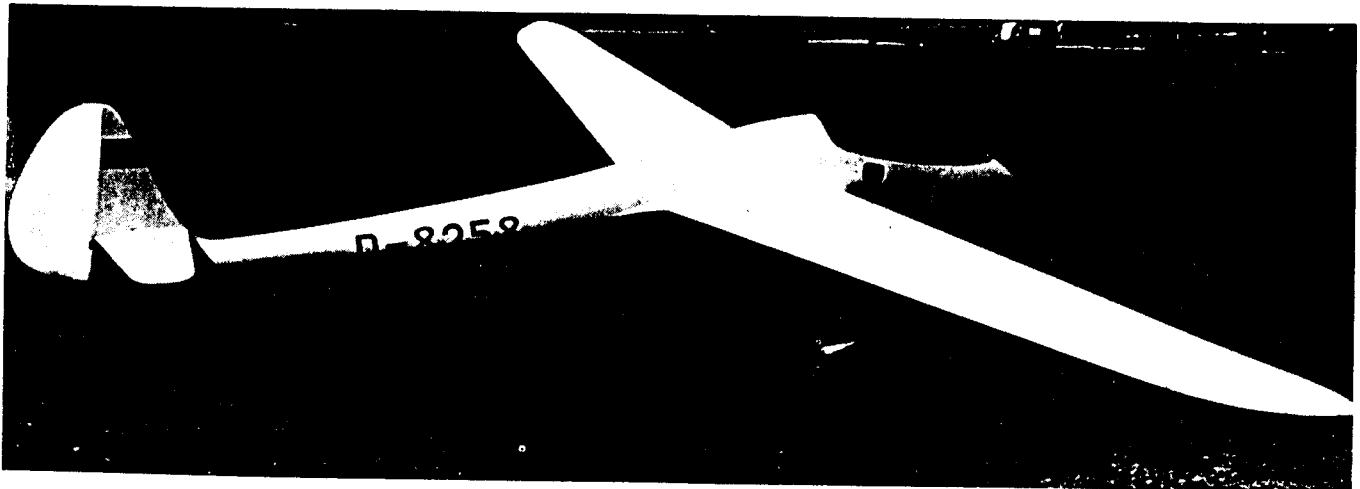
10. MEETINGS 1991:

NEXT MEETING SUNDAY, JANUARY 13th. 1991. Thereafter we meet on the SECOND SUNDAY of each month until MAY when Summer programme begins.

Dates of meetings are as follows:

- January 13th.
- February 10th.
- March 10th.
- April 14th.
- May 12th.

There being no further business, the meeting was closed at 1545.



This photograph of this month's scale subject was cribbed from "Jane's All the World's Sailplanes."

AKAFLIEG-STUTTGART F.S. -24 PHONIX

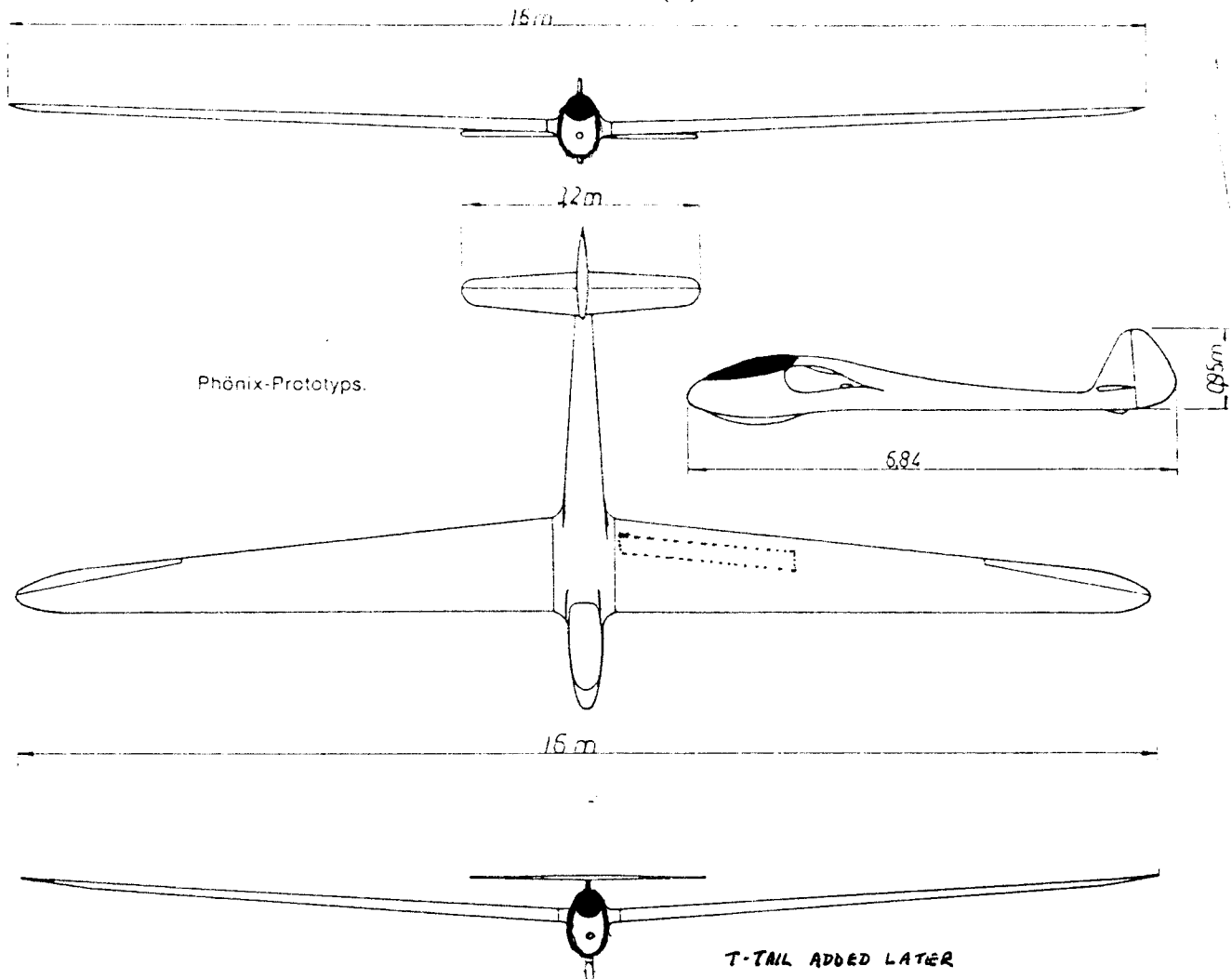
Here's a chance for some enterprising member to score a first! Be first in our club to model this sailplane - the very first to employ glassfibre/resin techniques.

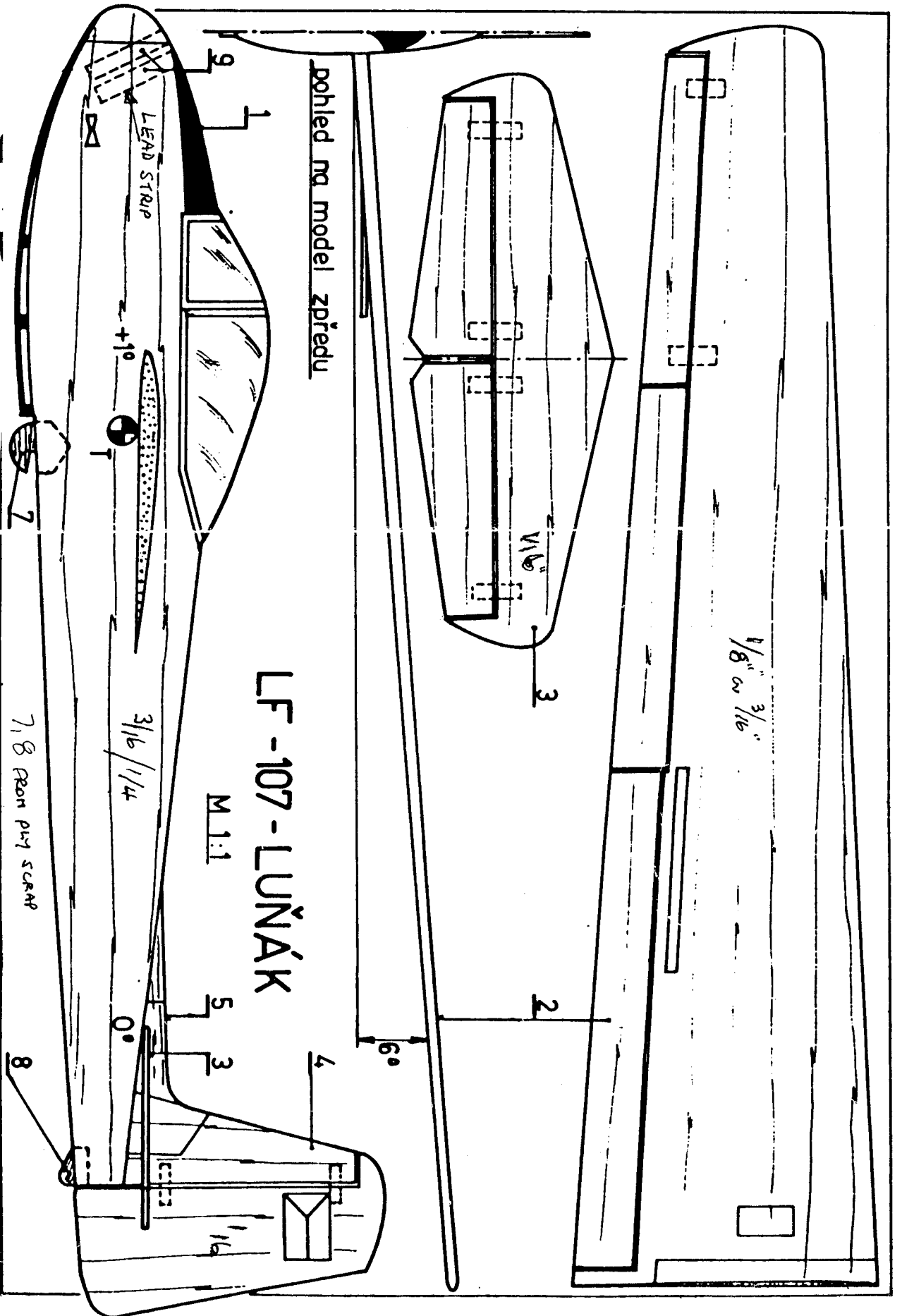
The Phonix was designed and built by the Stuttgart Academy Flying Group working under R. Eppler (of Airfoil fame!), and H. Nagele; originally designed in 1951 with the declared intention of producing a lighter, more efficient sailplane, it almost didn't come off. The method suggested was to make forms of balsa, stiffened with glue and paper layers, but this soon proved to be unpractical, and the project suffered quite a setback. By this time, capital had all but evaporated but fortunately for the team a new supply of cash came in the nick of time and it was decided to review the methods. Polyester resins had just come on the market and the builders opted to experiment with a different approach.

The new method resulted in a fuselage in which balsa was mated with outer glassfibre/resin skins, with high stress points like canopy locations, wing installations etc. stiffened with embedded plywood inserts. Two sides were made, all controls etc. being fitted before joining. Flying surfaces were constructed in a similar manner; ailerons, rudder etc. were cut out after the gluing process.

First flown in November 1957 the original stabilizer was soon replaced by a T-Tail unit. The fitting of a retractable landing wheel completed the modification to the prototype. Eight examples were built, all of which were still flying in 1978, according to Jane's World Sailplanes from which publication these details were gathered.

Span	-	16 m (52'-6")
Length	-	6.84 m (22'-5½")
Airfoil	-	E.C.86 (3) .914





pohled na model zřepdu

PREP PLANS!! Following the success of the 'Free Plans' in 'Isb... no.40 of 'The White Sheet', ~~the present is the~~ here are ~~the~~ 1:1 scale plans for your delictation. Just the thing for a rainy day in August or to keep the children happy while you finish off your bigger version! Both plans come courtesy of 'Modelar' magazine - root around in the scrap box, dig out the cyano, finish off with a felt tip and away you go!!