

# KNIGHT FLYER

Newsletter of THE FLYING KNIGHTS of HAMBURG N.Y. Inc. Bill Eberhardt editor

NEXT CLUE MEETING Jan. 15 th. at the Boston Library—8:30 PM. Y'll Come.

HILITES of the meeting of Jan. 25 th., 1974

Norm McCormack, our contest director for the upcoming 'FUN-FLY', Aug. 25 th., reported on the contest committee meeting held at Jerry Piscitello's Jan. 14 th. 'Mac' announced that Orv Chatwood has accepted the job as chairman of the contest committee and that the various sub-committees have been established and fully manned at this time. The committee announced that they are looking for suggestions from the members for a new and unusual fun-type event for the fun-fly. They are interested in any ideas which might provide an event which would be unique to our fun-fly. The event should be somewhat competitive but should be within the capabilities of all, of the entrants.

Norm McCormack suggested that the club should obtain a Post-Office Box so that the club would have a permanent mailing address for all correspondence. All the members agreed and John Dschuden added that he has checked into this at the Hamburg post office but they do not have any boxes available at this time but should in the future.

Jerry Piscitello said that he has four rooms reserved at the Toledo-South Holiday Inn for Friday and Saturday of the Toledo Conference, Feb. 22nd and 23rd. Jerry and his family will use one room and the three remaining rooms will hold nine people. Anyone wanting to go to the conference should contact Jerry as soon as possible to make firm plans to attend this once a year show.

Jerry also announced that the club hats have been ordered but a shortage of cloth will delay our order by two or three months.

Membership roles were opened to admit three new members- Joseph Brzezowski, Walter Stoj, and Bob Corsi.

The 50-50 raffle was won by Bob Inglut which proves that it sometimes pays to take a job as club officer.

'A PLEA FROM TEE PREZ.'—by Bob Inglut

The last meeting was one attended by the largest group of our club members to date. This, I feel, was solely due to the club newsletter announcing the demonstration of Solar-Film covering by the very capable Scaglione family team. The demonstration went quite well and all present benefited by it, The finished wing was something to be proud of. Demonstrations such as this are what our club meetings can be best utilized for. Many of our new members and some of our not so new members are not familiar with the techniques used in our modern model building. At the last meeting there were examples of three different wing finishes- Solar-Film, dope, and automotive lacquer. There are a great many more.

We have come a long way from the stick and tissue models as exemplified by the rugged Kwik-Sticks and foam Chipmunks at previous meetings. What we need is more of the proficient builders in our club to demonstrate their skills. As a side benefit the demonstrator will get some of his model completed as did Larry Scaglione at .

the last meeting.

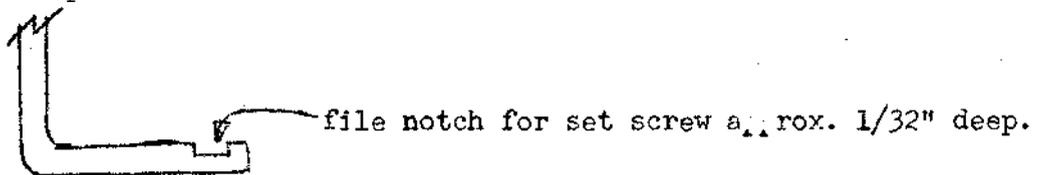
Anyone wishing to give a demonstration in any aspect of model building should please call Bill Eberhardt so that it can be included in future club newsletters.

Anyone wishing to bring uncovered model framework in please do so because one example is worth many words.

Thank you;  
Bob Inglut pres.

The HAMILTON RADIO CONTROL CLUB of Canada sent an invitation to all modelers to attend their 4 th. annual 'FLYING TIGERS' May Exhibition. The exhibition will be held on May 4th and 5 th at the Nelson Recreation Centre, 4235 New Street, Burlington, Canada ( Ontario), and will include model displays for trophies, swap-shop, refreshment booth, flying demonstrations, helicopters, and numerous drawings.

HINTS; Keep your WHEELS on! It's very aggrivating to loose a wheel on takeoff or landing and even more aggrivating looking for the wheel or wheel collar in the grass. You can help prevent the loss of wheel collars by fileing a small flat spot for the set screw on the axle as shown below



This trick works with nosegear steering arms too and prevents them from slipping on the shaft.

The following article is the first in a series of simple technical tid-bits which we hope will help our members understand their radios and gain a little insight into their operation and maintenance.

"GLITCHES" by Jim Devlin

Many times modelers find occasion to become involved in the electronics of their systems. Perhaps it is to repair a system that isn't working, one that might have been given them, or that they might have picked up in an auction for a song and would like to restore. A quick check could save you money.

It might also be a circuit from a magazine that you built or maybe something with a single transistor that you made yourself. In future columns we will discuss such practical things as, biasing a transistor, using diodes, logic gates, integrated circuits, op-amps or even requests about circuits. We hope that these "glitches" will make it easier for you to understand and use these new solid state devices.

This month we will discuss a simple method for checking a transistor without removing it from the circuit. The only equipment that you will need is a simple voltmeter with a low range. You must also be able to locate the transistor leads. Most transistors follow a pattern such as shown in fig. 1.

The voltage between the base and emitter of any transistor is constant. It will measure seven tenths of a volt. ( Germanium transistors measure three tenths of a volt ).

Should this voltage be anything other than 0.7 volts, it is telling you something. If the voltage is zero, the transistor base is shorted. If it is greater than 0.7 volts the base is open.

This measurement can be made in two ways. If you place your meter leads as shown in fig 2a, between the base and emitter you can measure this voltage directly. You can do it indirectly as shown in fig 2b by first measuring from the base to ground and second from emitter to ground, then subtracting the two numbers.

Once you have isolated the stage that appears to be the problem ( no output, etc. ), checking the transistor is easy. Just remember, in a good transistor, the emitter voltage ALWAYS follows the base b, seven tenths of a volt.

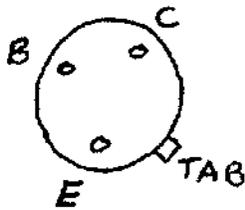


FIG 1

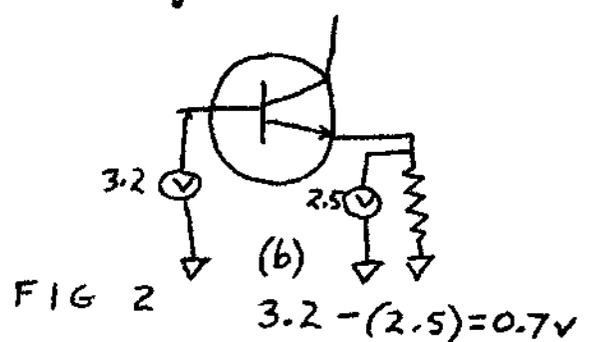
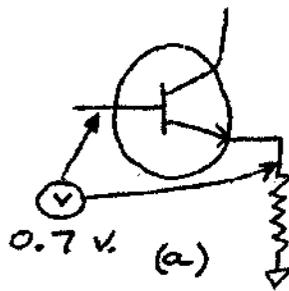


FIG 2

By next months mailing we hope to have an updated and complete club roster for all the members and also a frequency survey, at the suggestion of Bob Inglut, which should aid members in selecting new radio frequencies or changing crystals in old sets. This should help in getting an even distribution of frequencies in our club.

Maybe our club should be called The Chicken Knights because a few weeks ago on a beautiful Sunday afternoon only two members showed up at Evangola Park for an afternoon of flying. Franklin Meyer and myself just couldnt pass up the oportunity to fly on such a beautiful day. The weather was fine but after a while the fingers did tend to get quite stiff.

MOTE !!!!!!!

At the next meeting, Jan. 15 th, Norm McCormack has volunteered to share his secrets of model finishing. Mac has won several trophies for his finishes and he will share some of his techniques used to obtain these fine finishes. Dont miss it!

We would like to make this newsletter as usefull as possible to the club so if you have any hints or new ideas that you would like to share with the other members of the club please call me at 627-5945 and let me know. Also if you have any items that you would like to sell or trade we can list them in this paper.

DON'T FORGET - Next Meeting  
FEB. 15 TH.