

Newsletter of the FLYING KNIGHTS of HAMBURG N.Y, Inc.

P.O. Box 363, Hamburg, N.Y. 14075

NEXT CLUB MEETING**** June 21, 1974 at the Boston Library 9:00 p.m.

Minutes of the meeting of May 31, 1974_____

The secretary changes again! Franklin Meyer has taken over the job of secretary from Larry Scaglione, Sr. until September. Larry's work schedule prevents him from continuing as secretary for the club and so he has been forced to stop down as have several other members this year.

Jim Devlin reported that the Hamburg Nike base site is virtually unusable at the present time due to high woods, uneven ground and deep ruts. Some of the members are going to contact Hamburg Councilman Gene Wardynski to see if any thing can be done about these poor conditions.

Larry Scaglione, Sr. reported that an inquiry into the price of decals and stationary brought a quote of \$375.00 for 100 large decals and 500 sheets of stationary with envelopes. The price seemed a bit high and several members will check prices from other sources. . Larry is also checking into prices of a club storage locker for the papers of the club.

Norm McCormack announced that ho has received some more prize donations and also that Jeff Szyminski's father can got us some helium for the contest. Jerry Piscitello said that ho has tried a "mail pick-up" and that it will work and could be an interesting event for our fun-fly.

Several members reported that the old grass "chopper" at the county field has broken down again and several volunteers offered to repair it.

The Boston Library is refurbishing it's meeting room and installing a nylon rug on the floor, which will force a "No Smoking "rule at all future meeting. Also all future meetings will start at 9p.m. as the room will be open to the public until that time.

Norm Newkirk has acquired some 100% Nitromethane which is being stored by Frank Meyer. If any members wish to got some of it they should contact Frank.

Jerry Piscitello suggested a club picnic and the members decided to hold a vote as to whether it should be a flying or non-flying picnic or one of each. The next meeting will have a vote on the matter so try to be there or else make sure to contact a club officer

to let him know your desires.

The 50-50 raffle was won by Kevin McCormack.

Franklin Meyer went to the Jamestown UPRC races on June 16 th and was the only member of the "knights " there. Frank flew his "Contender" and placed 5th in Novice-Sport Pylon, out of a field of 16 contestants.

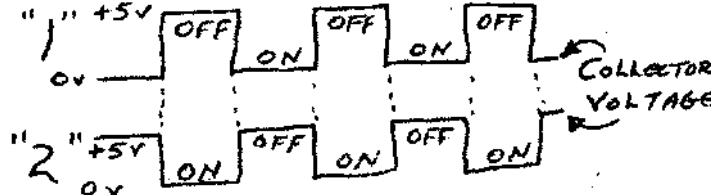
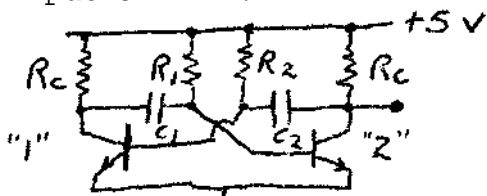
Have heard rumors that brand new "Pro-Line" Radios do not always work right out of the box and also that now "kraft" Radios have been susceptible to "glices". Also heard that Orv Chatwood wanted more power from his "15" size Fokker D-7. so he installed a .40 in the nose It's a real hot handfill. Must remind myself that one should not do rool3 and loops and split - S's until sufficient speed has been built and not immediately after take - off. Heard of several cases of tight rings causing engine problems. Heard of some flyers ~~feeding~~ loosing control horns and ailerons and Zigging when they should of Zagged. All in all it's a fun Hobby isn't it??? sob-sob-sob

Glitches Juno 1974
by Jim Devlin

The Electronic Clock

Any circuit will oscillate if two criteria are met: that the gain be greater than one and, that energy be fed back in phase (in stop) with the input Lot's see how this can bo accomplished with two transistors.

In the circuit shown the two transistors are coupled to each other, that is, the output of "1" Is connected to the input (thru a capacitor) of "2", and the output of "2" is in turn connected to the input of "1".



When the circuit is turned on both transistors try to draw current. Assume that "2" draws faster than "1". as we saw last month, it's collector voltage will drop to zero volts (due to the resistor drop). This is a changing voltage and any change passes through a capacitors Capacitors pass AC and block DC. This change is coupled back to "2" and is in the direction so as to turn it on harder. In short order the collectors roach the supply or zero and can no longer change. This is a DC state and DC cannot pass through a capacitor, The capacitor has been charged and this charge must leak off thru the base resistor. The time is determined by R and C. When this happens, the base of the on transistor("2) will' turn off. Its collector starts to rise to the supply, The change is immediately coupled to the base of "1" and is in the direction so as to turn it on. "1"'s collector voltage drops and this change forces "2" to turn off faster. The circuit immediately snaps into the opposite state and remains there until this new change is able to leak off the RC network in the base of "2". When this happens the cycle will repeat.

.. Notice how both criteria are met. The transistor provides the gain and the inverted output of each stage is exactly IN PHASE with the input of the other transistor. The circuit cannot do anything but oscillate. Such a circuit is used as the master timing circuit in most RC sets.

LOCAL CONTEST REMINDER

JUNE 23 - HAMBURG (NIKE BASE) AIRCRAFTERS
TEAM FUN FLY
TIME 11:30 - Fee \$2.00

SCHENECTADY, N.Y. RACES
WARRENVILLE, OHIO PATTERN
EATON, PENN. PATTERN

JUNE 30 - ROCHESTER, N.Y. UPRC RACES

JULY 6-7 - LOCKPORT - FUN FLY
Fee \$3.00 TIME 1:00

SKY-ROVERS FUN FLY.

JULY 13 - LOCKPORT - QUARTER MIDGET RACES

JULY 14 - LOCKPORT - UPRC RACES