



Come Fly With Us Buck Remote Control Club

May 2003 Newsletter

Calendar

May 18 – Promotion Day/Picnic–12:00 PM
open to all

Jun 03 – Meeting - The Field - 7:00 PM
Jun 05 (if rain)

Calendar

Jun 14-15 – Heli 3D School
Sep 03 – Meeting
Sep ?? - Mussers BAR-B-Q
Oct 04 – Fun Fly –open to everyone
Dec 02 – Meeting

Sunday Flying Sundays at 1:00 P.M. is our “official” flying time. Come then and some one will be at the field. Also use the enclosed roster to call other club members and invite them to come join you. Flying is more fun with friends. ☺

Promotion Day & Picnic

We need new members!

Tell your friends, neighbors, and coworkers to come see the flying field (and get some free food) on May 18. We'll give free flights to anyone who wants to try, and hopefully they'll become interested enough to join the club. So pass on the word and invite everyone you know to come join us for some fun!

How Fast Does it Fly?

One of the first questions asked of us by non-modelers! And one for which we seldom have any accurate answer, unless we have access to a friendly cop with a radar gun. Without too much trouble though, we can get a pretty good estimate by knowing our engine rpm and the pitch of our prop. Let's take an example: a relatively medium-drag airplane powered by a .40 which tachs a 10 x 6 prop at 13000 rpm on the ground, and we'll assume 14000 at speed. The 6" pitch means that at best (a perfect prop!) the plane will go 6" for every revolution—that's half a foot. 14000 rpm is $[14000/60=]$ 233 revs per second—multiply that by .5 feet per rev, and we get 116 feet per second. Converting to miles per hour (60 mph = 88 fps), we have $116 \times 60/88 = 79$ mph.

A similar but slicker plane turns a 9 x 7 at 13500 rpm—assuming 2000 rpm pick up at high speed, we get: $15500/60 = 258$ rps $\times 7/12$ ft/rev = 150 ft/sec. Converting to mph: $150 \times 60/88 = 102$ mph. Note that the internal timing of most sport engines is such that they don't produce much usable power above 16-17 thousand rpm. So, beware of claims of well over 100 mph with a non-racing plane, unpiped sport engine, and a sport prop! Perhaps possible—but highly unlikely! *Clay Ramskill*

President: Ralph Heagy 717-464-9293
Secretary: ElectricTroy@yahoo.com
Field Marshall: John Robbins

Vice President: John Hilt
Treasurer: Joe Robinson
Safety Officer: Jim Langley

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