

Plane Talk News

Landings: Touch-and-Go or Bounce-and-Go



“Touch-and-go” is a great way to practice landings. It’s a sure way to rapidly improve your technique. Even the best of us, however, will bring one down a little too hard once in a while, and the inevitable result will be a bounce.

The size of said bounce will be in direct proportion to how enthusiastically your airplane meets the runway. If unattended, of course, the first bounce will be followed by a second, and if the second bounce doesn’t break your propeller, you might be lucky enough to dribble to a stop before running off of the runway.

This type of landing often will bring an enthusiastic response from the critics sitting on the sidelines.

There are however, a couple of ways you could recover from a bad bounce and keep your dignity intact. One is to maintain “full back pressure” on the stick (i.e. full up elevator) in the hopes that there is enough flying speed to cushion the second bounce. If the bounce is more of a high-speed skip, this method works well.

The second method is to immediately apply power and return to level flight.

I’ve tried both methods, and a “bounce-and-go” with quick application of power will usually result in a more positive recovery from a bad bounce. If performed with finesse, you might even make it look as though you did it on purpose.

The best landing procedure is to hold the aircraft off the deck a foot high with idle power and try “not to land.” The airplane will slow and “sink in” in spite of you, giving you a smooth transition from air to ground.

By Glynn Mount, from the Cam Journal, Central Arizona Modelers, Inc. AMA Insider

Aviation Wisdom

Truly superior pilots are those who use their superior judgment to avoid those situations where they might have to use their superior skills.

Rule One: No matter what else happens, fly the airplane.

Forget all that stuff about thrust and drag, lift and gravity; an airplane flies because of money.

The propeller is just a big fan in the front of the airplane to keep the pilot cool. Want proof? Make it stop; then watch the pilot break out into a sweat.

If you’re ever faced with a forced landing at night, turn on the landing lights to see the landing area. If you don’t like what you see, turn ’em back off.

A check ride should be like a skirt, short enough to be interesting but still long enough to cover everything.

Speed is life; altitude is life insurance.

UP COMING EVENTS

Sept Club Meeting
7:30PM

Sept. 7th
West Field

Family Fun Fly
10AM - 3PM

Sept. 12th
EPJ Field

Fall Auction
9AM

Oct. 2nd
OUR LADY'S IMMACULATE HEART
510 E. 1ST ST, ANKENY, IA.



PRESIDENTS HANGER

Once again, these months are just flying by. Even though its getting dark a little sooner each night, we still have some great flying ahead. I personally love the fall flying because the winds are down and the temps are just perfect. We have two events coming up: our family fun fly on Sept. 12th and the fall swap meet/auction on Oct. 2nd. I hope you all can make to the family fun fly and bring out your families and friends. We are going to have flying games with prizes, games for the kids, and lunch by donation. If anyone would like to help out with this event please let me know: dwwierling@gmail.com I hope to see you all out there!

With all the rain we've had, this past month was hard on both of the club field. I just want to thank all of the guys that helped get the field back into usable shape. The rains were crazy there for a few weeks. I hope that no one had damage due to the rains. During the time when EPJ was closed, I made the trip across town over to West field and got a chance to fly with the guys over there. I don't make it to West field as much as I would like, as I am just five minutes from EPJ, so it's harder to make the hour drive over there. It was great to fly with those guys and I suggest that if you get a chance, be sure to check out the other field.

See you at the field,
Duane

How to Convert a Gas Model to All Electric

1. Determine weight from catalogue. In the case of the Ultra Stick 120, the published weight is nine to 11 pounds. An electric conversion will weigh about 10 pounds, total flying weight.
2. Determine desired performance. I selected unlimited aerobatic performance and 3-D; 150- to 200-watts-per-pound. 746 watts=one horsepower.
3. Motor selection. Ten pounds x 150 to 200 watts=1,500 to 2,000 max watts capability motor. I selected a Hacker C50-7XL, which has a max watts capability of 1,700 watts (again, watts=power). Select your motor based on cost, quality, and personal preference; my buddy has one. There's a lot to choose from.
4. Use the software program Moto Calc (motocalc.com).
 - a. Enter in: wingspan, wing area, weight, wing loading, and wing shape.
 - b. Enter in: motor constant, no-load current, resistance, weight, brushless, and out runner or in runner.
 - c. Enter in: gear ratio, propeller diameter (from motor recommendation range), and propeller pitch (from motor recommendation range).
 - d. You get from the Moto Calc calculated spread sheet: stall level, level flight speed, top speed, thrust, and max amps.
5. The speed of the propeller is regulated by the ESC, which regulates the frequency of the max amps—low speed is less frequent, high speed is more frequent. Pulse technology.
6. ESC. From the max amps listed in Moto Calc, plus a little head room, select an ESC. Moto Calc told me that my max amps was 107.5 so I selected a Castle Creations Phoenix 125 (max capability of 125 amps). Again, ESC selection depends on cost, quality, and personal preference. There is a lot to choose from.
7. Use Moto Calc for a battery recommendation starting point. Battery capacity is the battery's C rating multiplied by amps (5,000 mAh=5 amps). For me, 25C x 5 amps=125 amps drawn capacity. 125 amp>107.5 amps.
8. The battery tray is formed using 1/8-inch plywood and some 1/4 x 1/4-inch guide rails on both sides of the tray. I used a Velcro strap to hold the battery in place.
9. For an electric airplane, the CG is constant; no gas is used causing the CG to move backwards during flight. Battery placement is used to balance the model.

By Melvin S. Harder

From the Central Indiana Aeromodelers newsletter, New Palestine, Indiana AMA Insider

Club Officers

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Board:

Bruce Parmelee 221-9274
 Tim Nissen 964-9307
 Dar Chapman 964-8872
 Joe Kirk 229-3698
 Jerry Proudfit 987-1937
 Ed Niles 276-9058

September Birthdays

Frank Annett Sep 6, 1954
 Raymond C. Baker Sep 19, 1928
 Devin Bonnstetter Sep 10, 1986
 Victor L. Brown Sep 8, 1935
 John Cooper Sep 11, 1967
 Tom Hildreth Sep 12, 1941
 Joseph C. Kirk III Sep 1, 1991
 Rick Konopka Sep 7, 1956
 Marc Monthei Sep 11, 1965
 Richard Tripses Sep 1, 1930
 Richard Voyek Sep 3, 1962
 Kevin M. Walker Sep 26, 1976
 John F. Watson Sep 23, 1938

Safety Officer/ Field Marshall

Public Relations

Dan Olson 494-6002

Newsletter Editor

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Membership

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 Ankeny, IA. 50021

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Plane

Mode 2 Don Mckenna 707-9016
 Mode 2 Matt Morrill 707-9027
 Mode 2 Jerry Proudfit 987-1937
 Mode 2 Joe Pitts 276-0096
 Mode 2 Jim Lewis 289-1144
 Mode 2 Darwin Chapman 964-8872
 Mode 2 Duane Vierling 367-0126
 Mode 2 Tim Nissen 964-9307

Helicopter

Mode 2 Nick Crego 603-953-0666

*Please call the instructor
 to make an appointment.*

Wanted- Hanger 9 Ultra Stick 60, NIB

Ed Niles
 515-276-9058
edniles32@yahoo.com





R/C AUCTION, SWAP MEET, ELECTRIC FLY SATURDAY OCTOBER 2, 2010

Doors open 8A.M. Swap Meet 9A.M. – 11A.M.
Auction starts at 11AM Electric Fly after Auction
WWW.DESMOINESMODELAIRES.COM

AUCTION INFORMATION

- Buyer Nbr. - \$3 Registration Fee (No fee for Sellers)
- To pre-register items, send item descriptions, and minimum bid to address below. Pre-registration information may be picked up at the auction site.
- Items sold in order of registration
- \$5 minimum (group items accordingly)
- Items with no minimum bid sold to highest bidder
- 10% fee on all items sold (\$2 minimum)
- No “No Sale” fee
- Fast computerized check in and check out
- All items must be removed after the auction

SWAP MEET INFORMATION

- \$11/table
- Setup at 8am
- Non-sold items may be entered in auction
- Send pre-registration to address below

FOOD AVAILABLE ON SITE

OUR LADY'S IMMACULATE HEART
510 E. 1ST ST, ANKENY, IA.



For pre-registration or questions contact:

Jim Lewis
Modelaires Auction
1479 NW 71st Pl.
Ankeny, Ia. 50023-9697
(515) 289-1144 or (515) 314-7904
CLONE2TB@MCHSI.COM

• **MODELAIRES MEMBERSHIP 2010 APPLICATION**

• NAME _____ PHONE _____
STREET ADDRESS _____
CITY _____ STATE _____ ZIP _____ AMA NO. _____

IF YOU GO SOMEWHERE ELSE FOR PART OF THE YEAR, GIVE OTHER ADDRESS ON THE BACK AND MONTHS YOU WISH THE NEWSLETTER MAILED TO THAT ADDRESS.

DO YOU HAVE AN EMAIL ADDRESS? PLEASE PROVIDE TO GET YOUR NEWSLETTER AND CLUB ANNOUNCEMENTS

IF YOU DO NOT HAVE EMAIL, WE WILL SEND YOUR NEWSLETTER LAND MAIL

• YOUR AGE _____ YOUR BIRTH DATE, PLEASE MO. _____ DAY _____ YEAR _____

TWO TYPES OF MEMBERSHIPS ARE AVAILABLE :

- 1. **FLYING MEMBERS:** NEED AN AMA MEMBERSHIP AND MODELAIRE MEMBERSHIP. CAN FLY AT OUR FIELDS, VOTE AND BE AN OFFICER, TAKE PART IN ALL OUR ACTIVITIES, RECEIVE OUR NEWSLETTER.
- 2. **SUPPORTING MEMBERSHIP:** (NON-FLYING, CAN VOTE, CANNOT BE AN OFFICER) NO AMA REQUIRED, NEED ONLY MODELAIRE MEMBERSHIP. MAY TAKE PART IN ALL OTHER ACTIVITIES, RECEIVE OUR NEWSLETTER.

DUES: ADULT (19 AND OVER) \$75, SPOUSE \$20. YOUTH (18 AND YOUNGER) \$5. YOUR AGE ON DEC. 31, 2009 IS YOUR AGE FOR ALL OF 2010. BEGINNING SEPTEMBER 1, DUES ARE \$40 FOR THE REMAINDER OF THE YEAR. Dues cover January 1, 2010 to December 31, 2010.

SEND TO: Jim Lewis 1479 NW 71st Pl. Ankeny, Iowa 50023.

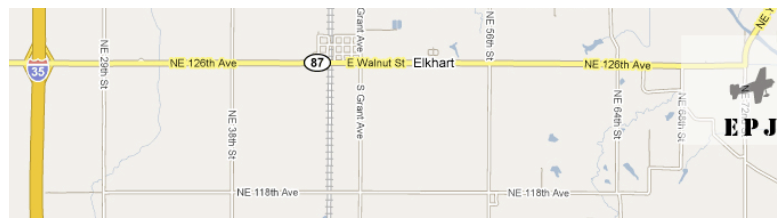
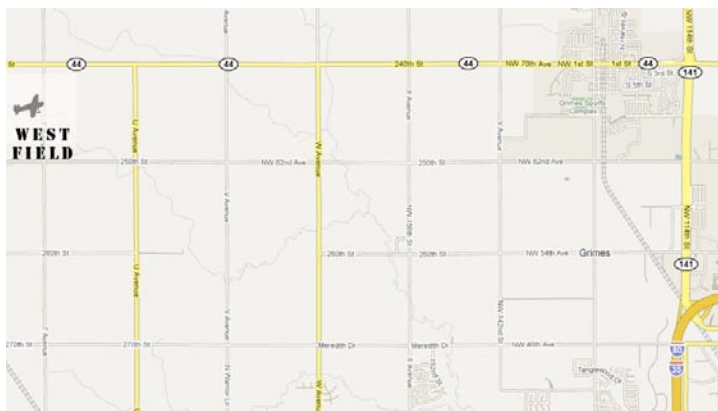
EMAIL: **CLONE2TB@MCHSI.COM** PHONE: 515-289-1144

MAKE CHECKS TO: DES MOINES MODELAIRES

*****YOU MUST SEND A PHOTOCOPY OF YOUR 2010 AMA CARD*****

FIELD MAPS

ATTENTION: PAID AMA AND DES MOINES MODELAIRES memberships are required to fly at the these fields. Guests must be accompanied by a current member. Both fields have security gates. Contact any of the officers listed in our newsletters for access to the fields.



Modelaires

- We fly radio controlled model airplanes at two private flying fields.
- Our meetings are the first Tuesday of each month and there is a program of flying interest plus show and tell at each meeting.
- Members are mailed a monthly newsletter.
- We have a club Christmas and Awards dinner.
- The club sponsors Fun Flys and Summer Club Family Picnic Flys.
- We help run the SIG Fun Fly at Montezuma Iowa.
- The Modelaires will demonstrate R/C flying anywhere that we have room to safely fly.
- Members present model building and flying programs to groups in this area.
- We hold a spring swap meet and a large fall R/C auction.
- We have a pilot training program with booklet and award a solo certificate to members that we train (FREE) to fly. There are instructors to help you learn to fly Radio Control!
- We are one of the top clubs in America. You must join AMA before you can join the Modelaires.
- For more information contact: Jim Lewis at 515-289-1144.



1479 NW 71st Pl. Ankeny, Iowa 50023



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