



# *The Dead Stick Flyer*

*Newsletter of Swan Harbor RC*

*Volume 30, Number 5, May 2019*

[www.swanharborrc.com](http://www.swanharborrc.com)



*President: Gary Gunter (410) 658-1170*

*VP: Chris Mounayer (732) 539-8731*

*Secretary: Ron Lazzeri (443) 425-9006*

*Treasurer: Steve Snyder (410) 638-2895*

*Safety Officer: Bob Walker (410) 456-0100*

*Member at Large: Dale Davis (410) 459-0399*

*Member at Large: Herman Reichart (410) 935-8979*

*Member at Large: Stephen Slotnick (908) 403-0273*

*Member at Large: Jae Jang (443) 910-2439*

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## Spring 2019 Fly-In:

*The Club Spring fly-in will be held on Saturday, June 8, 2019 starting at 10am. The rain date is Saturday June 15, 2019. There will be Pit Beef, Pit Ham and BBQ Chicken and all the side fixings like last year for a nominal cost of \$5 per plate. Randy Fletcher will be preparing the hot food again this year.*

*Come join us for a day of fun, comradery, flying and good eats! Other area flying clubs are invited to attend as usual.*

*There is no pilot registration or fee to fly, however, you must have the proper AMA and FAA credentials in order to fly.*



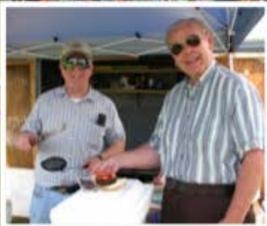
## Swan Harbor RC Club Invites you to their **Club Spring fly-In**

June 8 – 10am

Rain Date – June 15

- Food & Facilities Available

*Come out to enjoy and learn about  
the World of Radio Control Flying.  
All RC pilots are WELCOME...*



For further information call –  
410-638-2895 or 410-838-6261

## **President's Club Meeting & Discussion Topics**

*The meeting was held on Saturday, May 11, 2019 at the SHRC Flying Field*

○ **Old Business:**

- *None – all caught up*

○ **New Business:**

- **May club meeting:** *The May club meeting was held at the SHRC flying field on Saturday, May 11, 2019. The meeting got underway at 10am and was accompanied by a cookout for attending members which included Costco hot dogs and hamburgers, apple chicken sausages, loaded potato salad, cole slaw, baked beans, and sauerkraut. Many thanks to Bob Walker for his exceptional cooking expertise at the grill. It was a good meeting and many attending members flew afterwards. It was a good day all around. See the club meeting schedule for more meeting scheduling details.*
- **June club meeting:** *A brief meeting will be held at the June 8, 2019 Club Fly-In.*
- **Property Insurance:** *Gary started a discussion about the pros & cons of getting insurance for certain club assets at the field like the shed and its main contents including the mowers and equipment in case of fire, theft, or vandalism. This topic will be discussed at future meetings. No decisions have been made at this time.*
- **The Club's (Dale's) new Toro Zero-Turn Lawn Mower:** *Gary threw the Gauntlet down last year when he told Dale that if he was successful in getting electric at the field, he (Gary) would buy the club (Dale) a new Zero-Turn lawn mower. Well folks, both things happened and the club has electric and a new Zero-Turn lawn mower. Dale says the new mower works great and with 3 mowers now at work doing the weekly cutting chore it definitely takes much less time to complete the task. Not only that but the field looks great and is always ready for weekend flying. Many thanks to Dale for his perseverance getting the electric installed and to Gary for his very generous mower contribution to the club. Gary did get a really good deal on the mower as well. Just a note: Dale, Herman and Jae are hard at work on a weekly basis getting our field in the great shape you see every week. Thanks guys for your hard work and dedication!*

- **CACI Approval for 15 One Year Memberships:** As discussed in previous meetings, CACI, a contractor with the Aberdeen Proving Grounds has advised Chris of their internal approval for 15 one year contractor memberships. We are waiting for the check to arrive so we can activate their memberships.
- **SHRC Remaining Debt to HDG Parks & Rec for Electric Installation:** The club is currently in the process of paying down the relatively small remaining balance for the installation of the electric installed at the field.
- **Treasurer Report:** Steve Snyder gave the current financial report and announced we are up to 70 members as of meeting time. This is a very good count for this time of the year!
- **General Information:**

***Protection from the sun – a club public service announcement!***

***Now that spring has arrived and the hot summer sun is just around the corner, it is time to take care of ourselves as well as our RC equipment. The nature of our great RC hobby dictates that we are out in the sun while we fly our aircraft. We need to be mindful and diligent about taking care of ourselves against the harmful effects of the sun. It is very important to apply sunscreen and wear hats “wide brim, if possible” to protect our heads, necks and faces from the problems that it can cause down the road. Just friendly words of advice for our members.***

## **Club Photo Gallery:**

***Pics courtesy of:***

***Bob Walker and Steve Slotnick***

***Bob Walker “Master Chef” at***

***May Club Meeting & Cookout***

***Thanks Bob!***



Dale, The Raven Maniac!



The Club's (Dale's) new Zero-Turn Mower



Zeb Bertsch Cub on Floats



Wayne Ross Yak 55



Warren Dieffenbach Mini Heli



Paul Coleman & Granddaughter Sig 4 Star 120



Rick Hight E-Flight Cirrus



Steve Snyder E-Flight Commander



Mike Newell Nano Talon



Marvin Tedrow Kinetic Sailplane



Herman Reichert Rebuilt Edge



Gary Gunter "What Goes Up, Must Come Down", Basic Rule of RC



Dale's New Clock on Bulletin Board



The Farmer planting Corn this year!



May Club Meeting & Cookout



As part of the continuing series of articles on battery charging, I am writing this article on **“Parallel LIPO Battery Balance Charging”** to introduce the concept, provide a good article on the topic, and neither suggest that you (do) or (do not) follow this method of charging LIPO batteries. I currently **do not** charge LIPO batteries using this method but I have seen it done and have read many articles on the topic. This charging method seems simple to follow but can be a bit risky if the process is not fully understood or applied correctly. Hopefully, this article can help shed some light on the charging methodology and help you decide if it is right for your type of flying.

First off, from many articles I have found and read on the internet, I am providing an article from “RC Helicopter Fun” <https://www.rchelicoptefun.com/parallel-lipo-charging.html>. This article will provide some good and useful information to help you better understand what Parallel LIPO Charging is all about. The article will cover the following topics:

- What is “Parallel LIPO Charging” and how you do it.
  - Words of caution regarding this advanced method of charging.
- How safe is “Parallel LIPO Charging”.
  - Having good & appropriately sized equipment, healthy batteries, and the proper know how.
- How Parallel Charging works.
- What you need to Parallel Charge LIPO batteries.
- How to build a simple Parallel Charging Board or Plug-in Cables.
  - Building a simple Parallel Balance Board.
  - Building a simple Parallel Balance Harness.
- How to calculate the charging current when parallel balance charging.
  - Very important battery connection warning tip!

Here are some key points regarding Parallel Balance Charging LIPO Batteries:

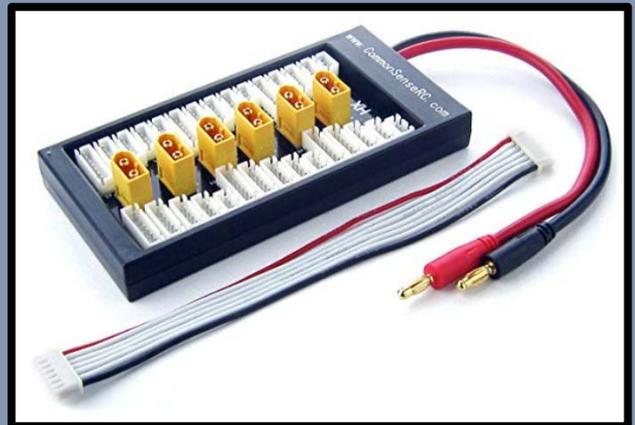
- Carefully read and follow all of the charging process instructions.
- Parallel charging allows you to charge more than one LIPO battery at a time from a single port battery charger using a Parallel Balance Charging Board.
- Parallel charging requires that all batteries be of the same Cell Count and Voltage but can have different MAH Capacities within reason like 2200mah, 1800mah, 1500mah. The batteries can also be in different states of charge like 80%, 75%, 60%.
  - Do not Parallel Charge batteries of different cell counts like 6S, 4S, and 3S.
  - Do not Parallel Charge batteries of different voltages like 14.8v, 11.1v, and 7.4v.
- Be sure connections are made in this order:
  - 1 - connect parallel balance board to battery charger
  - 2 – connect LIPO battery power leads to parallel balance board

- 3 – connect battery balance leads to parallel balance board
  - Note: if you connect the battery balance leads before the power leads, the smaller gauge balance lead wires may not be able to handle the initial high current exchange and cause a problem.
- It is very important to set your charger up to “Balance Charge” the batteries during the parallel balance sequence. Same procedure as for individual batteries.
- It is important to understand how to calculate the appropriate charging rate based on the batteries you intend to parallel charge. It is always safer to parallel charge at the lower 0.5C versus 1.0C rate. The calculation would be the sum of all battery capacities multiplied by the charging rate as follows:
  - 4S-1500mah + 4S-2800mah + 4S-4000mah = 4S-8300mah
  - Battery sum equals an equivalent total value of a 4S-8300mah battery
  - Charging Rate examples:
    - At 0.5C Rate = 8300mah x 0.5C = 8300mah / 2000 = 4.15mah
    - At 1.0C Rate = 8300mah x 1.0C = 8300mah / 1000 = 8.3mah

Hopefully, this helps explain Parallel LIPO Battery Balance Charging and provides you some useful information to decide if you want to pursue this method of charging. I know it sounds a bit complicated but with a little research effort, the right equipment, and finding someone who already uses this method to help you out will make it easier and safer.

Remember, always error on the side of caution when charging these high capacity batteries!

Example: Parallel Balance Charging Board for 6 battery packs 2S to 6S configured with XT-60 connectors. There are many varieties and configurations being sold, this is just an example version.



Example: Single Port battery charger with a 6 Port XT-60 Parallel Balance Port Charging board connected. Batteries will connect to the Parallel Charging Board.

**RC Vendor listing:** by Ron Lazzeri

*If you have a "Vendor" that you use and would like to add it to our RC Vendor Listing and share it with other members, please send me an email with the details and I will add it to the list. Sharing this information will help new & old members alike. Thank You... ronlazzeri@verizon.net*

<b>Hobby King</b>	<a href="http://www.hobbyking.com"><u>www.hobbyking.com</u></a>
<b>Redwing RC</b>	<a href="http://www.redwingrc.com"><u>www.redwingrc.com</u></a>
<b>Hansen Hobbies</b>	<a href="http://www.hansenhobbies.com"><u>www.hansenhobbies.com</u></a>
<b>Pulse Batteries</b>	<a href="http://www.pulsebattery.com"><u>www.pulsebattery.com</u></a>
<b>Electrodynamics RC</b>	<a href="http://www.electrodynam.com"><u>www.electrodynam.com</u></a>
<b>Valley View RC</b>	<a href="http://www.valleyviewrc.com"><u>www.valleyviewrc.com</u></a>
<b>RC Extreme Power</b>	<a href="http://www.rcextremepower.net"><u>www.rcextremepower.net</u></a>
<b>Aircraft International</b>	<a href="http://www.aircraftinternational.com"><u>www.aircraftinternational.com</u></a>
<b>Tower Hobbies</b>	<a href="http://www.towerhobbies.com"><u>www.towerhobbies.com</u></a>
<b>Sullivan Products</b>	<a href="http://www.sullivanproducts.com"><u>www.sullivanproducts.com</u></a>
<b>Motion RC</b>	<a href="http://www.motionrc.com"><u>www.motionrc.com</u></a>
<b>Revolectrix</b>	<a href="http://www.revolectrix.com"><u>www.revolectrix.com</u></a>
<b>Fromeco Scale Avionics</b>	<a href="http://www.fromeco-scale-avionics-llc.myshopify.com"><u>www. fromeco-scale-avionics-llc.myshopify.com</u></a>
<b>Horizon Hobby</b>	<a href="http://www.horizonhobby.com"><u>www.horizonhobby.com</u></a>
<b>Tail Dragger RC</b>	<a href="http://www.taildraggerrc.com"><u>www.taildraggerrc.com</u></a>
<b>Sonic-Tronics Inc.</b>	<a href="http://www.sonictronics.com"><u>www.sonictronics.com</u></a>
<b>B&amp;B Specialties</b>	<a href="http://www.bennettbuilt.com"><u>www.bennettbuilt.com</u></a>
<b>Esprit Tech</b>	<a href="http://www.espritmodel.com"><u>http://www.espritmodel.com</u></a>
<b>Falcon Propellers</b>	<a href="http://www.falconpropellers.com"><u>www.falconpropellers.com</u></a>
<b>Chief Aircraft</b>	<a href="http://www.cheifaircraft.com"><u>www.cheifaircraft.com</u></a>
<b>Wrong Way RC</b>	<a href="http://www.wrongwayrc.com"><u>www.wrongwayrc.com</u></a>
<b>NoBS Batteries</b>	<a href="http://www.hangtimes.com"><u>www.hangtimes.com</u></a>

**RC Extreme Hobbies**     [www.xtremerchobby.com](http://www.xtremerchobby.com)

*Note: The Musser's hobby shop has been downsized and is now a combination of outdoor hunting, fishing, and RC products store. The website will eventually be renamed to the new store's name.*

**35 Friendly Drive • Quarryville, PA 17566**

**Phone: (717) 284-0164**

**Email: [info@xtremerchobby.com](mailto:info@xtremerchobby.com)**

**Hours: Sunday 10AM-6PM**

**Monday-Saturday: 10AM-8PM (except holidays)**

**Radio Control Hobbies**     [www.rc-hobbies.com/baltimorenorth](http://www.rc-hobbies.com/baltimorenorth)

**1512 York Road, Lutherville, MD 21093**

**Tel: 410-376-7076**

**Email: [BaltimoreNorth@rc-hobbies.com](mailto:BaltimoreNorth@rc-hobbies.com)**

**Hours: Mon-Friday 11:00am - 7:00pm**

**Saturday 10:00am - 6:00pm**

**Sunday 11:00pm - 4:00pm**

## **Club Meeting Schedule**

- **January thru April and October thru November:**
  - **Monthly club meetings will now be held at the Golden Corral in Aberdeen, MD on Route 40 on the 2<sup>nd</sup> Saturday of each month 10:00am-12:00pm. We will be meeting in one of the small dining rooms and enjoy their full breakfast buffet.**
- **May thru September:**
  - **Monthly club meetings and a cookout will be held at the Swan Harbor RC flying field on the 2<sup>nd</sup> Saturday of each month starting at 10am. The Fall Club Picnic will be held on the same day as the September club meeting.**
- **December:**
  - **The December club meeting will be held at the annual Christmas Party. Details of this event will be made available in advance of the party.**

## **Membership Dues Policy “Revised March 2019”:**

*At the March 16<sup>th</sup> club meeting, the Board and attending members discussed our current club’s Membership Dues Policy and came to an agreement on a new set of guidelines to make it clear and fair for all members, new and existing. The following Membership Dues Policy was agreed upon and adopted.*

*To pay your club dues for the season, either as a renewing member or a new member, please forward them to Steve Snyder, Treasurer. As you all know we depend on our dues to fund projects and general maintenance for our club.*

### **Existing Annual Membership Renewals:**

- **Annual renewal membership fee:** \$75.00
  - **Renewal period:** 1/1/YR thru 3/31/YR (Payment is due by 3/31/19)
  - **Grace period is for 2019 only:** 4/1/19 thru 4/15/19
    - *If a member’s renewal dues are not paid in full by 4/15/19, then that member is considered to be in default. If that member wants to join the club after 4/15/19, then that member is required to pay at the full new member rate. The member in default will not be permitted to fly at the field after 4/15/19 until their membership dues are paid in full. There will not be a Grace Period in 2020 and thereafter.*
    - *Note: All members are urged to pay their renewal fee as early as possible during the renewal period since club expenses are budgeted and paid based on membership fee receipts.*

### **New Membership Dues:**

- **Full year membership fee:** \$125.00
  - **Joining period:** 1/1/YR thru 12/31/YR
    - **Fee Includes:**
      - \$75.00 annual membership fee
      - \$50.00 1<sup>st</sup> year initiation fee
  - *Note: New members joining the club on 9/1/YR or after of that same year are considered paid in full for the current year and the immediately following year. The reason for this exception is that the current flying season is about 75% over and we want to give new members an incentive to join our club.*

### **AMA & FAA Membership Requirements:**

*In an effort to ensure our club’s compliance with AMA and FAA rules and regulations we are requiring that all members, whether a new member or an existing member renewal, the following documents are required to be submitted to Steve Snyder when dues are paid:*

- **Swan Harbor RC Membership Form**
  - *The form can be found on the Swan Harbor RC website*
- **Proof of AMA & FAA membership**
  - *Provide a copy of each membership’s email or registration card*
  - *The copy must include the registration number*

**Note: If any member sees an unknown person flying at the field, you should ask the flyer if they have a current membership card. If they say they do not, then ask them if they would like information on how to join. Explain that membership is a requirement for flying at the field.**

## **General Information**

**What are Members Working On:** Building a new aircraft, assembling an ARF, working on an old reliable? We'd love to hear what you are working on. Send us some information and a couple pics of your project and we'll post it in the monthly newsletter. Send your emails to: [ronlazzeri@verizon.net](mailto:ronlazzeri@verizon.net).

**Newsletter:** To receive the Swan Harbor RC Newsletter by email, please send a request to: [sslotnick@mac.com](mailto:sslotnick@mac.com).

**Photos:** Anyone who would like to have new photos appear in the slideshow or the photo gallery is encouraged to send their photos to Stephen Slotnick at [sslotnick@mac.com](mailto:sslotnick@mac.com) and he will add them as soon as he can.

**Interest in Joining the Club:** Please see the instructions on the Swan Harbor RC website [www.SwanHarborRC.com](http://www.SwanHarborRC.com) under the heading "How to Join." Additional membership information or questions can be obtained from Steve Snyder at (443) 243-4324 or email: [snyder800@gmail.com](mailto:snyder800@gmail.com).

**Harford County's No Smoking Policy on County Property:** We follow all county rules and regulations and ask for your cooperation. Thank You!

