



TAILWINDS TAILS

AVTI Newsletter

VOLUME 45, NUMBER 10

Oct. 27, 2021

Latest Tailwinds

From the President

October 27, 2021

Hello AVTI members! I was shy this month so I will write more next month.

Tony Frackowiak
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661-348-6927

From the Editor

The Burger Burn and Swap Meet was a Success and the plan is to have another one in the near future. Also, the T-28 display was a great addition to the club history I know there are more T-28s out there so maybe the display will grow. Next event maybe a T-28 Fly Day. Thirteen planes were displayed Remember we still have the Rogers Raffle for the Spitfire Model. Buy your tickets



Pictured (L – R) Don Chaffee, Gordon Sharp, Regie Johnson, Manny Duarte, and John Sharkey



Hey guys!

Remember to wear your Mask and social distance and be Safe out there.

Club Meeting Minutes

Oct 16th, 2021

Call to Order: 09:15

Introduction of Visitors or new Members

No New members or Visitors in attendance

Minutes of Last Meeting

Old Business

- Race Bruce won top Qualified with score of 2.3022
- Tony won Race out of 22 Entry's
- Total 5 AVTI members attended the race.
- Hamburger Burn was successful and will try to do again next Month or by EOY.

New Business

- Might look at planning a racing event
 - Maybe a T-28 event
 - Run what you Brung
 - Possible Dec. Event

Possible Christmas Party Dec 2nd based on restaurant availability

- 6 PM target time

Fox field Meeting room possible open for club meeting more to follow as known

New Business

- Mr. Mark Johnson is selling most of his RC helicopters and aircraft. I have inserted some of the picture of the aircraft that are for sale.

- Mr. Johnson sold the Ford dealership and is moving. He has a lot of really nice stuff Aircraft and Helos that he is willing to sell or give away for a good home. Most of the Models he wants to sell so he does not have to move to his new home.
- He has radios equipment that he feels to give to get people started. He has most models that are looking for a Good Home.
- If you are interested, please call Mr. Mark Johnson if you are interested and come and visit.
- His Phone number is 661-547-7848.

Treasurer's Report

Read by Tony to the attending members

Adjournment: 09:30

Mr. Johnson Aircraft Sale. Below are some of his aircraft.





AMA/FAA News

FAA guidelines that dictate how, when, where, what we can fly and the upcoming plans to administer a registration exam the next time you have to update your FAA registration. This exam will be administered by the AMA in compliance with the FAA. You can get more information on this at the AMA site: <https://www.modelaircraft.org/trust>

If you have not already registered with the FAA, you should do so at this site:

<https://registermyuas.faa.gov/>

Both your FAA registration number and your AMA membership number should be visible on all your drones (aircraft) without the use of tools to view it. Generally, labels can go under the wing, empennage or canopy. Personally, I used a label machine I purchased yet you can also use Avery 2.5 x 1-inch labels, available at Office Max, and printed the labels using Microsoft Word label template, then I just peel them off and place them into the plane. If you need help, please reach out to me and I can bring in my Label Maker or just ask me and I can make you labels at home.



**Manny Duarte: AVTI RC club
Cell: 661-XXXX
AMA no. XXXXX
FAA UAS no. XXXXXXXX**

Details of Roger's Last Big Build

ESTATE RAFFLE SEAGULL MODELS SPITFIRE MK-IX W/RETRACTS



Wing Span	79.9 in. / 203 cm
Wing Area	1165.6 sq.in. / 75.2 sq dm
Fuselage Length	64.5 in. / 163.8 cm
DLE 35- RA	Gas Engine
Futaba 7C 2.4GHz	FASST Airplane Radio System S3010 Servos & R617FS Receiver

LtCol (retired) Roger Counts 4 January 1936 - 15 June 2020

This airplane is complete and has never been flown. Includes Chief Aircraft wing-bag, gas can, fuel pump, fuel tubing, all manuals. Roger built and flew more than 20 radio controlled model airplanes. His last radio-controlled airplane was Seagull Spitfire Mk IX.

Raffle Tickets	
\$10	1 ticket
\$20	3 tickets
\$30	5 tickets
\$40	7 tickets
\$50	10 tickets

**YOU CAN OWN
ROGER'S LAST BIG
BUILD FOR THE
COST OF A TICKET**

**AIRCRAFT AND
EQUIPMENT WORTH
OVER \$1500**

**PayPal Tickets
Purchase Accepted**

Model Will Have To Be
Picked Up In Palmdale,
Sorry **No Delivery**

**DRAWING WILL BE
HELD DECEMBER 7,
2021 AT THE
ANTELOPE VALLEY
TAILWINDS CLUB
MEETING.**

DONALD CHAFFEE

yardboydon@gmail.com

Or Call

661-618-0304

Need not Be Present to Win

Ticket sale thru Dec 7 at Club
Meeting

Around the Field



TECH News

STORAGE CHARGE YOUR LIPO BATTERIES


You should not store LiPo batteries dead nor should you store them in a fully charged state. For the longest life of your battery, LiPo's should be stored at room temperature at 3.8V per cell. A LiPo battery could be damaged by just setting in a fully charged condition. It might only take a few hours but usually extended time such as a week before damage occurs. Most likely the internal resistance of the battery will increase and after use the battery will get hot or hotter. Heat reduces the life of a battery. They may also puff up. So, if you like buying batteries ignore this article otherwise use the storage feature on your charger. Attached are a couple of charts the electric guys may find useful. One indicates the approximate battery percentage, voltage and the recommended storage range. Note there is a range, however the optimum is at 3.8V per cell at 34%. The first chart is similar but provides the voltage for 1S through 6S so you don't have to do the math. Note that the two charts do not match exactly, but are close estimates.

State Of Charge vs. Lipoly Pack Voltage

% Capacity	1S Cell	2S Pack	3S Pack	4S Pack	5S Pack	6S Pack
100	4.20	8.40	12.60	16.80	21.00	25.20
95	4.15	8.30	12.45	16.60	20.75	24.90
90	4.11	8.22	12.33	16.45	20.56	24.67
85	4.08	8.16	12.25	16.33	20.41	24.49
80	4.02	8.05	12.07	16.09	20.11	24.14
75	3.98	7.97	11.95	15.93	19.92	23.90
70	3.95	7.91	11.86	15.81	19.77	23.72
65	3.91	7.83	11.74	15.66	19.57	23.48
60	3.87	7.75	11.62	15.50	19.37	23.25
55	3.85	7.71	11.56	15.42	19.27	23.13
50	3.84	7.67	11.51	15.34	19.18	23.01
45	3.82	7.63	11.45	15.26	19.08	22.89
40	3.80	7.59	11.39	15.18	18.98	22.77
35	3.79	7.57	11.36	15.14	18.93	22.72
30	3.77	7.53	11.30	15.06	18.83	22.60
25	3.75	7.49	11.24	14.99	18.73	22.48
20	3.73	7.45	11.18	14.91	18.63	22.36
15	3.71	7.41	11.12	14.83	18.54	22.24
10	3.69	7.37	11.06	14.75	18.44	22.12
5	3.61	7.22	10.83	14.43	18.04	21.65
0	3.27	6.55	9.82	13.09	16.37	19.64

Stay in the white region for maximum pack longevity

[Lipoly Voltage vs. State-Of-Charge \(Remaining Capacity\) - RC Groups](#)

Approximate Battery Percentage, Voltage and Recommended Storage		
% of Charge		Volts Per Cell
3%		3.50
5%		3.55
7%		3.60
9%		Critical Low
15%	Minimum Low	3.70
22%	Optimum	3.75
34%	Storage	3.80
50%*	Range	3.85
60%		3.90
69%		3.95
77%		4.00
83%		4.05
89%		4.10
96%		4.15
100%		4.20
*Middle Storage Range		

A.V.T.I. Roster of Current Officers 2021

President: Tony Frackowiak
661-348-6927
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Vice-President: Mack Moffat
661-943-4741
willys33@verizon.net

Treasurer: Tony Frackowiak

Secretary: Derek Abramson
661-917-9863
abramson.derek@gmail.com

Board Members: Dave Zeller,
zeller3250@roadrunner.com

Mark Johnson
Avsoarhead@gmail.com

Field Marshal: Mack Moffat

Safety Officer: Tony Frackowiak

Webmaster: Derek Abramson

Newsletter Editor: Manny Duarte

Flight Instructors: Tony Frackowiak

*** Membership Meeting ***

September 16, 2021

09:00 AM A.V.T.I. Airpark

**Saturday after the first Thursday of
the month.**

A.V.T.I. Airpark

47500 Challenger Way (10th Street East)
between Avenues F and G
Lancaster, CA 93535

Tailwinds Tails is a monthly newsletter of
the Antelope Valley Tailwinds Inc., R/C
Model Aircraft Club.

Visit our web page at www.avti.org

Join us on Facebook

Send submissions for the Tailwinds
Tails by the 20th of each month to the
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