



## *AMOS May 2021 Newsletter*

### *Board Meeting Recap – Amos Field 5/2/2021 12:00pm*

#### **New Business**

**Minutes of Previous Meeting:** On **Motion** duly made and seconded, the minutes of the previous board meeting were **approved**.

**Current COVID19 Field Guidelines – No Change until further notice:** The Board agreed not to make any changes for the time being. The field is currently open to members and guests.

**Fuel for Training Planes – Discussion:** Basil buying a case of fuel from Amain Hobbies. He will sell a few gallons to the club at his cost. Also agreed that if donations to the training program are not enough to buy all the fuel needed, the club will make up the difference.

**Discussion – Secretary Position:** Doug R reported no- one had volunteered to become secretary. Jody K said he will continue to serve as Secretary for the rest of the year, although it would be nice if someone volunteered to take over.

**Vacancy, Position of Treasurer:** On **Motion** by John S, second by Doug K, the **Resignation** by Rob Ryerson from the office of Treasurer was **Accepted**. The President nominated Jody Kahan to fill the vacant position. On **Motion** by Doug K, second by Andrew, the nomination was **Approved**. The members will vote on the nomination at the next General Meeting.

**Signers on Bank Account:** On **Motion** John S, second by Doug K, the following **Resolution** was **Passed**:

**RESOLVED**, that UMPQUA BANK currently is and shall continue to be the bank in which the funds of this Organization are deposited; and that (1) Rob Ryerson, the past treasurer of this Organization shall be removed as a signer on the Organization's bank accounts; (2) that Joel Kahan is the currently elected and acting Secretary of this Organization and shall be and is hereby authorized and empowered to keep one or more accounts in said bank, in the name of this Organization, and to cause to be deposited in the bank to the credit of this Organization, any and all moneys, checks, notes, drafts, acceptances or other evidences of indebtedness belonging to this Organization, and (3) that the bank is hereby authorized to

**make payments from the funds of this Organization based on checks or drafts on the funds of this Organization, signed by the following only: the President, Douglas Reid, the Vice-President, Douglas Keller, or the Secretary, Joel Kahan , who are hereby authorized to sign, endorse, accept, make and execute any and all checks, notes, drafts and bills of exchange in the name of this Organization. Online Banking Company Administrator: Motion by John S, second by Doug K, to remove Rob Ryerson as Company Administrator for Umpqua Bank online banking and designate Jody Kahan as the new Primary Company Administrator. Motion passed.**

**Motion to Revise Valuation of Physical Assets:** On **Motion** duly made and seconded, the Board **Approved** the attached valuation of the club's physical assets as of 12/21/2020.

**Unauthorized Expenditures, Discussion:** The Board discussed a problem of one or more officers making significant expenditures without prior authorization and then requesting re-imbursement. The Board believes that reimbursing such expenditures will only encourage this behavior. Consequently, the Board will propose to the membership adopting a rule for the future that expenditures incurred without prior authorization as required by the AMOS constitution will be considered contributions to the club.

**Paying For New Spikes and Washers:** Jody K reported that Dave L has requested reimbursement for \$965.54 he spent on Spikes and Washers. These are 8" to 10" stakes to replace many on the main runway that were 5", repair sections that got beat up by the wind and to hold down the additional Petromat he has laid around the field. The additional Petromat was previously approved by the Board and General Membership. but replacing the runway spikes was not presented for approval. The Board favors reimbursing Dave as requested. Since the amount is over \$300, approval of the members must be obtained first.

**Added Vehicle Parking – Cost of Gravel:** The Board found that Dave L had graveled over the grassy area between the gazebo and the shed without prior approval and with the knowledge that he required prior approval. The Board considers this action to a major breach of club rules. The Board noted that Dave first proposed this project at the General Meeting on April 10 and that he was advised at the time that the proposal had to first be considered by the Board before presentation to the membership for approval. Dave has requested reimbursement for \$1,447.88 for the cost of the Gravel. The Board opposes reimbursement under these circumstances, but will put it to a vote at the next General Meeting.

**Metal Covering on Work Tables:** Dave L, via email, requested approval for putting metal covering on all the work tables. On **Motion** by Doug K, second by John S, **Proposal Rejected**.

**Gold Leader Club Pins:** John S Reported that he ordered twenty pins. Four or five remain available for anyone who wants one. Pins cost \$3.00 apiece.

**Progress on Website Design:** Andrew W showed an example of the future look of the club website. He and Dave L are continuing to work with Ian on updating the design. They do not yet know what implementing the changes will cost.

**Membership Chair – Andrew Wilkins:** Currently 195 members.

**ASSOCIATED MODELERS OF SACRAMENTO, INC.**

**TREASURER'S REPORT**

**April 30, 2021**

	Current Month	Same Month Last Year	Year To Date	Last Year To Date	Budget (Full Year)
<b>INCOME</b>					
Membership Dues	930	1,090	10,610	7,715	25,440
Field Improvement Fees	600	525	2,100	920	3,750
Late Fees	50		110		-
Event Revenue					3,500
Donations, Cash		20	237	978	500
Other		10		70	-
<b>Total Income</b>	<b>1,580</b>	<b>1,645</b>	<b>13,057</b>	<b>9,683</b>	<b>33,190</b>
<b>EXPENSE</b>					
Field Lease	623	617	2,493	1,972	7,592
Porta Potty	167	134	567	534	1,602
Event Costs					400
Field Maintenance				551	3,000
Supplies					1,000
Website Maintenance	165		330		770
County Taxes					255
Training Costs					200
Recognition Awards					400
Filing Fees					45
AMA Charter (Including Insurance Certificate)			120	120	120
Equipment Purchase				670	-
Capital Improvements					5,000
Charitable Contributions	100				-
Other			144	345	-
<b>Total Expense</b>	<b>1,055</b>	<b>751</b>	<b>3,654</b>	<b>4,192</b>	<b>20,384</b>
<b>CASH RECONCILIATION</b>					
Beginning Cash Checking	32,089	32,257	23,312	27,484	23,312
Beginning Cash Savings	10,000	-	10,000	-	10,000
<b>Total Beginning Cash</b>	<b>42,089</b>	<b>32,257</b>	<b>33,312</b>	<b>27,484</b>	<b>33,312</b>
Cash received	1,580	1,645	13,057	9,683	33,190
Cash Disbursed	(1,055)	(751)	(3,654)	(4,192)	(20,384)
<b>Net Cash In (Out)</b>	<b>525</b>	<b>894</b>	<b>9,403</b>	<b>5,491</b>	<b>12,806</b>
Ending Cash Checking	32,614	33,151	32,715	32,976	36,118
Ending Cash Savings	10,000	-	10,000	-	12,800
<b>Total Cash</b>	<b>42,714</b>	<b>33,151</b>	<b>42,714</b>	<b>32,976</b>	<b>48,918</b>
Operating Cash	29,914	33,151	29,914	32,976	36,118
Field Relocation Reserve	12,800	-	12,800	-	12,800
<b>Total Cash</b>	<b>42,714</b>	<b>33,151</b>	<b>42,714</b>	<b>32,976</b>	<b>48,918</b>
<b>EXPENDITURES APPROVED, NOT YET PAID</b>					
Equipment Purchase - New chairs	217		0		0
Field Maintenance - Replace shade cover	239		0		3,000
<b>EXPENDITURES NOT YET APPROVED</b>					
Capital Improvements					
New spikes and washers	965				
New gravel	1,448				
<b>Total Capital Improvements</b>	<b>2,413</b>		0		5,000

**AMOS EQUIPMENT INVENTORY 12/31/2020**

Asset	Count	Estimated Value 2019	Total Asset Category Value 2019	Purchase Price/Donation	Annual Depreciation 2020	Retirements	Value 12/31/2020
Metal Container	1	1,000	1,000		(200)		800
Storage Shack	1	100	100		(20)		80
Lawn Mowers	5	100	500		(100)		400
Barbeque Old	1	100	100		(20)		80
Cooking Area Tables	3	50	150		(30)		120
Picnic Tables	1	100	100		(20)		80
Model Assembly Tables	20	50	1,000		(200)		800
Alpine Flight Start Up Stands	13	100	1,300		(260)		1,040
PVC Model Holders	5	15	75		(15)		60
Chairs	25	10	250		(50)		200
Jet Exhaust Deflectors	2	15	30		(6)		24
Helicopter Build/Preparation tables	2	100	200		(40)		160
Shade Cover Structures	9	250	2,250		(650)	(1,000)	600
Shades for Shade Cover Structures	9	175	1,575		(455)	(700)	420
Large Shade Structure Poles	4	250	1,000		(200)		800
Large Shade Structure Covers	2	700	1,400		(280)		1,120
<b>Additions made in 2020</b>							
<b>Purchases</b>							
BBQ Grill	1			670			670
Leaf Blower	1			175			175
Donations							
Shade Structures including west sun shades				8,645			8,645
Pole Table Sample				575			575
<b>Totals</b>		<b>3,115</b>	<b>11,030</b>	<b>10,065</b>	<b>(2,546)</b>	<b>(1,700)</b>	<b>16,849</b>

## **GENERAL MEETING Recap – Amos Field 5/15/2021 12:00PM**

**Confirm Appointment of Treasurer:** Rob Ryerson having resigned from the office of Treasurer, the Board having accepted his resignation, the President having nominated Jody K to fill the vacancy, and the Board having approved this nomination, Tom A made a **Motion** to elect Jody K to the position of Secretary/Treasurer for the rest of the current year. Dave L seconded the motion, and the **Motion passed.**

**Discussion re new parking area:** The President called for discussion of the Field Marshal having graveled over the area between the gazebo and the shed to create a new parking area without a prior vote by the members. The members present were generally supportive of the Field Marshal. The Secretary was critical. Tom A made a **Motion** to retroactively approve the action by the Field Marshal. Andrew W seconded the motion, and the **Motion passed.**

**Votes on Reimbursement:** Because the Field Marshal had personally expended \$1,488 for the gravel for the new parking area, and requested reimbursement, Doug K made a **Motion** to reimburse the Field Marshal as requested. Tom A seconded the motion, and the **Motion passed.** Because the Field Marshal had personally expended \$965 for spikes and washers for the expansion of the petromat areas and to replace the too short spikes in the main runway, and requested reimbursement, Tom A made a **Motion** to reimburse the Field Marshal as requested. Keith R seconded the motion, and the **Motion passed.**

**2021 Events:** The President asked the Contest Coordinator to have each Contest Director come to a Board meeting prior to their event to present their program for the event and request funds, if necessary.

**Metal Table Covers:** The Field Marshal proposed covering all of the club's work tables with sheet metal to promote cleanliness. General discussion followed. John S expressed concern for shock hazard if LIPO batteries are in contact with metal. It was agreed that covering the food service tables is desirable for sanitary reasons. Andrew W made a **Motion** to approve putting metal covers on the tables in the barbeque area for now and to further research covering the work tables. John S seconded the motion, and the **Motion passed.**

**Upcoming Field Projects:** The Field Marshal said he will be repainting the stripes and X's on the runway at his own expense. He also said that all net profits from the Jet Event will go to Wounded Warriors.

**Gold Leader Club Pins:** John S reported he purchased 20 Gold Leader Club Pins from AMA and received them. He **moved** that each member of the Board receive a free pin and each member who wants one pay our cost of \$3.00. The motion was seconded and **passed.** Members who want an AMA Gold Leader Club Pin should email John S at [sorensonjohn7@gmail.com](mailto:sorensonjohn7@gmail.com).

**Meetings for June:** Board: Saturday, June 5, 10:00 AM. General meeting: because the Warbird Event is being held on June 12, the swap meet and the general meeting will be held on June 19.

## Board Reports:

### **Field Marshal Dave Long:**

- Three lawn mowers repurposed and given to Woodland Davis. Two retained for mowing small areas near runway.
- Prepped steel tables in heli area. Proceeding with reinforcing shade awning structures.
- Lights installed in containers. Shades that will block late afternoon sun have been ordered.
- Containers welded together. There is now room for trainer planes in the containers if trainers want to leave their planes there. Keys available for trainers.
- Two cameras installed on storage containers, one facing north, one east. Anyone who wants to access these cameras online, contact Dave.
- Twenty sling chairs added to pits paid for ½ by the club and ½ by Dave.
- Channel 3 providing publicity for Jet Rally. Placer Co. Fire will start burning the field at the end of May. To be done before the next general meeting: Shade covers 8, 7, 6, and 5.

1. **Treasurer Jody Kahan:** Cash on hand running ahead of last year. Of \$3,000 budgeted for field maintenance about \$450 has been committed so far. Of \$5,000 budgeted for field improvement, about \$2,400 has been committed so far. (Note: Full report included in minutes of May Board meeting.)
2. **Event Officer Basil Yousif:** Everything is good for the Warbird event. Basil and Chance will be cooking. Geordan is collecting the money. Mike R volunteered to direct event activities.
3. **Newsletter Basil Yousif:** The newsletter is out.
4. **Membership Andrew Wilkins:** 197 members.

## AMOS Float Fly Event



**Float Fly – 5-17-2021 to 5-22-21 at Camp Far west Lake - South camping area**

**Camping and Flying started on Monday the 17th but winds made flying hard until Saturday when they died down to 6-10mph. Saturday was the first good flying day of the one week event. There were around 10-15 Pilots flying.**

**The lakes Water Level was low so pilots had to drive down to the lake to launch the planes off the shore but after a short drive launching and flying the planes was just like previous years. The lake was still big enough to fly around and land.**



## AMOS 2021 Event Schedule:

War Birds: June 12 (Basil and Geordan)

Electric Fun Fly: August 7

Presidents Fun Fly and General Meeting - August 14

Jet Rally: (David Long) - September 9,10 and 11th  
"Can't Miss Event!!"

Helicopters: September 25 (Basil Y, Geordan W)

Profile Event October 2nd (Randy Allen)

Giant Scale: October 16

Expert Fliers - Gary Myers and Dave Sullivan to Host!



**Warbirds Over Roseville 2021**  
**Saturday June 12th**

Model Airplane R/C Event  
WW1, WW2 and Recent Warbirds  
welcome Jets okay! Starts 9:00am

Location:  
AMOS Flying Field at the Corner of E Catlett and Fiddymnt RDs  
- One Mile East from the Thunder Valley Casino in Lincoln CA  
\*\*Great Event Lodging\*\*

Flying Fee \$10

BBQ will be Available for Purchase

Pilots must have Valid AMA insurance

Free Overnight R/V Parking, Pilots can arrive on  
Friday June 11th  
Hosts: Basil Youisif 916-410-2791 & Geordan White 916-521-8590  
Email: basil.youisif@sbcglobal.net

### Giant Scale Event

Saturday & Sunday  
October the 16th  
and 17th 2021

At the AMOS-field Located at  
4015 East Catlett RD, Roseville, CA

One Mile from the Thunder Valley Casino  
\*\*Great Event Lodging\*\*

Any Giant Scale 79" and above wingspan  
3D Model Airplane can Fly

Free overnight RV parking

Pilots can arrive on Friday 15th to Practice  
Flying at the field.

\$10 Landing Fee Saturday - Sunday no charge  
AMA insurance is Required

BBQ available for purchase!

The AMOS Field is a Gold Member AMA field  
One of the Best in California

Hosts Dave Sullivan and  
Gary Meyer 916-276- 6990 See: [www.amosrc.com](http://www.amosrc.com)

### Rotors Over Roseville 2021

Model R/C Helicopter Event  
Saturday September 25th 2021  
starts at  
9:00AM

Location: AMOS Flying Field 4015 E Catlett Rd,  
Lincoln, CA 95648

On The Corner of E Catlett and Fiddymnt Roads  
One Mile East from the Thunder Valley Casino in Lincoln CA

Flying fee \$10 BBQ available for purchase!

must have Valid AMA insurance  
Help Desk for Beginners

3D Stunt and FC3 Scale flying styles  
3 flying areas within the field

Free Overnight R/V parking, Pilots can arrive on  
Friday September 24th to practice

Contact: Basil 916-410-2791 or Geordan White  
916-521-8590  
See: [www.amosrc.com](http://www.amosrc.com) for more information

**Upcoming Events are set to resume this year as Covid 19 restrictions are easing.**  
**Volunteers needed!**

**Everything you wanted to know about servo arm sizing  
but were too lazy to look up**

**Futaba - Ace- Bluebird (aka BMS & Waypoint) - FMA - Hyperion - INO\_LAB  
- Keil – Kyosho, - Prafar, Supertec - Thunder Tiger Ace - TowerPro = 25 T**

**Futaba Output Spline Diameter is Ø5.96 except S3114 which is only 4mm.**

**E-flite S-75 = 16 Spline  
(OEM Copy HS-55, Hitec #55708 horn & #55001 Gear sets fit.)**

**Cirrus = FMS = 25 spline.**

**GWS = Various depending upon model, most = 25 spline.**

**GWS Naro, Hextronic HXT900 (aka Tower Pro 9g) = 20 Splines.**

**HXT 500 servo takes Dubro #930 = Micro Servo Arm XL (for Futaba  
3108M / S3154, Hitec HS-50 / HS-55, E-Flite S75 & More**

**HXT 900 servo takes Dubro #932 = Micro Servo Arm XL  
(GWS Naro/Standard, MPI MX-50 & More)**

**Hitec (*Apollo* & *old Ace R/C Giant* are very old Hitec Servos) = 24T**

**Hitec HS-300 = RCS Apollo 5 (Dual label at changeover time).**

**Hitec HS-422 = RCD Apollo 10 (Dual label at changeover time).**

**Futaba 25T horn has larger diameter than standard Hitec 24T spline -  
appear to fit but slip in use**

**Feather HS-35HD, HS-45HB, HS-50 & HS-55 (plus 5035, 5045 & 5055  
variants) = 16 Spline (Horn package #55708).**

**Micro - HS-56HB & MG only = 23 Spline (Horn package #55711).**

**Micro Horn & Hardware Set for HS60, HS81 & HS85 = 24 spline**

**Micro - HS-65HB, 65MG, 5065MGG & A5076HB = 25 spline (Horn package  
#55711).**



Hitec HS-8360TH/70TH/80TH/ = 25T spline & 3mm horn screw.

Hitec HS-83XX High Response Digital Servo series = 25T spline with 3mm horn screw.

*(same as Futaba 25T spline)*

Mega Horn & Hardware set for HS-805BB+ & 815BB = 15 spline.

ACT Europe - re bagged Hitec servo as above

Multiplex use Hitec horns on current (excluding Rhino) MPX servos.

Multiplex MS series (old) used GWS horns.

JR Propo - Acoms - Expert - Graupner - KO Propo - Sanwa (aka Airtronics)  
- Volz = 23 spline

*(Hyperion Servos are made by Seong Ji Electronics Co (SJ) in Korea)  
there main line is Graupner*

HuiDa RC International aka Power HD & other OEM RTF = mixed -  
23 spline, 5mm & 25 spline - Futaba compatible.

Except Electrify & TowerPro MG90S on which Hitec HS-65HB horns  
(Horn package #55711) are a tight push fit.

Lanyu Mini ("TW" RTF packages) 20T/ψ4.5

PingZheng (& their re-branded OEM) typical examples:

PZ-15148A 25T/ψ5.82, PZ-15288A 25T/ψ5.9, PZ-15178C - 20T/ψ4.82

Savox, *parent coy is [Tricore](#)*, aka Align & Spektrum Digitals = 25 T

Skyartec VT5-05A micro = 24 spline (3.5mm OD of output shaft)

Spektrum Analog = re branded JR = 23T

Spektrum digitals = re branded Savox = 25T

Servo Cross Reference:

*Kyosho Perfex KS-101 are Futaba S3003 re-bagged in a white case.*

Dymond D47 is also known as LSX-110, Ripmax SD100, Robbe FS31 Pico, Modell-Expert X-31, Exact 4.7, Topmodel 1118, X-Micro, Midget 4.7  
Logic RC LSX-110, Tahmazo TS-1002 & TS-47.  
Dymond D60 is also known as Ripmax SD150

Hitec HS-700BB = RCD Apollo 15 (1/4 scale servos)  
RCD Apollo 24 = mini servo.

HS & TS 2000 series servos are made by Hitec, TS-51= Hitec HS-300.

Tactic -**Standard-size Futaba servo arms will fit all but the TSX-5 servos**

Hobbico - Tower System 2000 servos are identical to either Futaba or Hitec (except the re-bagged Hitec digital s are not programmable), varying only by label and part number.

*Tower brand are prefixed TS. Hobbico are prefixed HS. The Hobbico brand is sold to hobby shops, while the Tower brand is sold only by Tower Hobbies. Both brands are marketed by Great Planes.*

Digital = TS-140 is a Futaba built servo and the TS-160 is a Hitec built servo. Analog = TS 3000 series servos are made by Futaba.

Hobbico CS65=Hitec HS-605, CS67= HS-425, CS71= HS-615MG, CS72= HS-700BB,CS59= HS-77BB, CS35=Hitec HS-225BB.

***Wire colors and connectors are good indicators of the respective HS-TS servo manufacturer.***

***Other Servo Facts;***

***\*\*\*Nylon horns dry out as they age and can get quite brittle  
- to rejuvenate, boil gently in water for 15 minutes and allow to cool as was the case with the old nylon propellers.***

Turning a servo arm 180 deg on the shaft to get it to center does not work with all servo types, especially standard Hitec servos which have a 24 count spline - Only those servos with odd numbered splines (say 25 spline) can be turned around to approximate center position.

***Sub-trimming to center will be required for even count servo splines.***

Gone are the days when servos were hand assembled and hand set for center point to be at 90 degrees. *There will always be variables with the current automated mass production methods*, because no two servo pots will be identical.

New models of Hitec servos are being produced with 25T splines and not the older 24T splines.

Hitec products that are not assembled in Korea, are assembled in Hitec's RCD factory in the Philippines where all senior supervisory staff are seconded from Korea. Quality control is secure in that factory.

Futaba Servos are made in the Doube-Leaf factory in Kaohsiung, Taiwan with many servos being made in a new Guangdong China (Mainland) factory.

Acoms, Sanwa (aka Airtronics), JR and earlier Spektrum are assembled in Bandai's factory in Malaysia.

Quick List ;

Ace/Thunder: 25T Airtronics: 23T Blue Bird: 25T Cirrus: 25T

Duratrax: 25T Futaba: 25T Hitec: 24T Hobbico: 25T  
(Some servos like the CS-170 use 24 spline arms)

HPI: 25T Jr: 23T KO: 23T MRC: 23T Multiplex: 23T Power HD: 25T

Sanwa: 23T Savox: 25T Spektrum: 23T Tamiya: 25T

Team Associated: 25T Tower: 25T Traxxas: 25T Xpert: 25T

***Jokes;***

***Funny R/C Forum comments-***

**"I need a woman with money. In the meantime, a small 30-40 inch wingspan glider would be nice!!"**

**"If you have a new Plane set it free - if it comes back it loves you! if it doesn't you just lost alot of money!!"**