

Vol. 25

Issue 5

May 7, 2015

Louie Stark, President
Dick Lehmann, Treas.
Rich Eastwood

Ron Ernhardt, Vice Pres.
Dave Jaecks
Don Paquette

John Gosz, Sec.
Parker Merrill
Eugene Fehlhaber

Wausau R/C Sportsmen website - www.wausaurcsportsmen.org

MEETING NOTICE

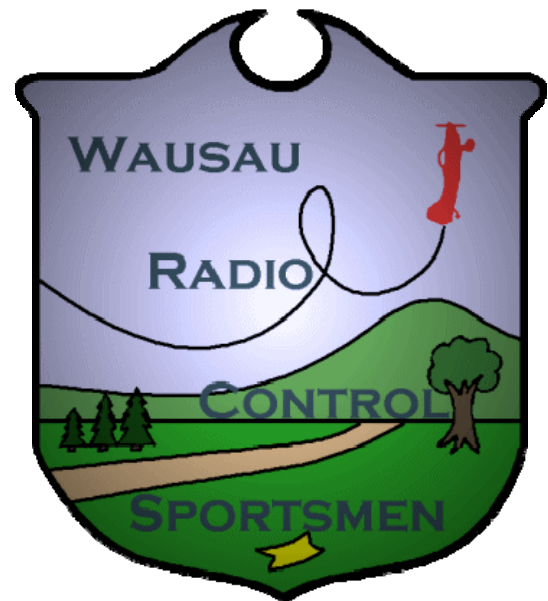
May 12, 2015

7:00 PM

Wausau Municipal
Airport

Coming Events

- May 12, 2015 Monthly Meeting**
Wausau Municipal Airport
7:00 PM
- June 1, 2015 15th Annual Tune Up Clinic &
Pilot Training Begins.**
- June 9, 2015 Monthly Meeting at**
Sunnyvale R/C Park. 6:00PM
- June 15, 2015 Flying at 8:00 AM to Dusk**
Resumes through 3/31/16
- June 20, 2015 Breakfast at Sunnyvale RC Park**
8:00 AM
- July 14, 2015 Monthly Meeting at Sunnyvale RC Park**
6:00 PM
- July 19, 2015 Family Picnic Sunnyvale RC Park**
3:00 PM



Remember!

As of April 1st to June 15th Restricted Spring flying hours in effect. 10: 00 AM to Dusk



LET'S FLY!

Letter From the President

With summer getting into full swing there has been a lot of activity going on. I see that quite a few have been out flying and the mowing has started. The spring set up at the field went very well, we had a large group to help and everyone just knows what to do. Thank you to all those that came out to help and special thanks to Parker for bringing his tractor out; it was a huge help.

Monday Night training will be starting in just a few weeks, kicked off by the Tune Up Clinic.

Volunteers are needed for flight crew and helping out at the Tune Up Clinic. Breakfast at the field is just around the corner as well

The Fun Fly will be August 8th, Bob has offered to chair the event again this year and is looking for help to set up on Friday the 7th. There is a lot of work to do, moving tables, setting up the tents, field clean up etc.

I am looking for several volunteers to take over taking care of the planes for the Flight Training Program on Monday nights. This would involve transporting the plane to the field each Monday night with the batteries in the plane, transmitter and flight box charged and ready to go. Each plane has a charger for this purpose. Contact me by email or let me know at the next club meeting.

I hope your summer has started well, it seems like we were all able to get a head start on that summer yard work and projects. I am looking forward to the summer activities.

See you at the field

Louie

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WAUSAU R/C SPORTSMEN CLUB INC.

April 14, 2015

Minutes

The meeting was called to order by President Louie Stark at the Wausau Municipal Airport at 7:01 p.m. The meeting was started with a round of introductions. Twenty three members were present. Minutes from the March 14, 2015 meeting were read and after one correction pointed out by Louie Stark on the topic of hats, the language should be corrected to read that Graphics Plus has the "Program to the WRCS logo", and not the Copy Right. Noting the correction, the minutes were approved on a motion by Parker Merrill and seconded by Ron Ernhardt.

Discussion on Completed/ In Progress Events:

Dick Lehmann gave a presentation on the clubs finances. He presented a detailed breakdown of the clubs income sources and expenses.

The club is expected to have expenses this year of around \$6,710 going to items such as lawn cutting, port-a-potty, airport meeting room, AMA adds, field maintenance expenses, intro pilot training and field leasing agreement, just to name a few.

Income comes from mainly three sources: dues, the summer fun fly and the swap meet. This year's income is estimated to be \$6,634.81. During the presentation, one point made by Dick is that dues covers about 46% of the clubs expenses, with the fun fly and swap meet covering the rest. This is why it's very important that these events be successful, in order to keep our membership dues where they are. Ron mentioned that there are other surrounding clubs whose dues are \$100 a year or more. Louie mentioned the club is looking for donations for the summer fun fly. The BOD approved \$300 to purchase items for the fun fly raffle, but the club will gladly accept donations related to the RC hobby or other items such as tools, camping items, or gift certificates for the raffle. Dave Jaecks volunteered to contact Tower Hobbies to ask if they would donate a gift certificate like they did last year. Ron offered to contact Balsa USA, and Louie offered to contact Home Depot. The more prizes on the table the better the revenue results.

Completed/In Progress Events

There were no completed events to report.

Upcoming Events/Programs:

Field setup day is Saturday April 18th. Work will begin at 9:00am. Members are asked to bring a rake or shovel, and any small hand tools would be helpful. Parker offered to bring his yard tractor and wagon for hauling top soil and removing debris. Dave Jaecks pointed out that the field is in fairly good condition with only minor fix-ups needed.

Training Program

I asked for volunteers for this summer's training program. Dave and Louie volunteered. Parker volunteered to assist the training director.

I'll send out a letter to those members that are on the intro pilot instructor list asking if they would be return this summer as intro pilot instructors.

Ron gracility volunteered to assist in hauling the club's trainer planes.

Drone Flying

Discussion continued from last month's meeting on flying drones at the field. The BOD would like to defer this issue to those in the club that have firsthand experience with these craft.

The club would like to have a policy that insures that drones of both rotary and fixed wing type can all use the field safely, without adding burdensome rules. Currently all member are good at sharing the field among the airplane and heli flier.

The discussion ended leaving the current policies in place, and address any safety issues with drones as they arise. The exception being that any FPV aircraft must have a spotter while flying. Drones are increasing in popularity not only for recreational use but also commercial use. As businesses find ways to utilize this technology, careers in flying these craft will become common.

The club will continue to have discussions on this topic. For more information on drones, check out AMAs web site.

Open Discussion:

There was an open discussion on purchasing patches with the club logo. Ron got pricing from vendors River Side Specialties and Graphics Plus. Although River Side Specialties had the better pricing of \$2.70 each for a 3" patch, they required a minimum order of 100 patches plus \$30 program and setup fee. The large 8" patches were between \$17-\$18 ea. with a 50 piece minimum order. Graphics Plus quoted \$39.50 with 25 piece minimum order. It was decided that these prices are too high to consider and forgo the patches because of the upfront costly outlay.

Ron gave an update on pricing hats for the club. A show of hands resulted in 4 trucker style and 6 baseball style hats to order. More discussion on how many to order and who what vender to select will be talked about at the next meeting.

Dave Jacques volunteered to investigate the field for evidence of grub damage and infestation before spending funds on a reapplication of insecticide. He'd also inquire with professional pest control businesses or county extension office for their expertise on whether or not to apply pesticide this year.

There was discussion that followed with Dave to go ahead with his inquiry and give an update at the next meeting.

Safety Tips:

Ron mentioned the burning ban is in effect for Marathon County.

Please note that there is a potential for fire if hot fuel contacts dry grass. There is a fire extinguisher on the shelter.

Also be careful when venturing out in the tall grass to recover a down plane. This time of year the south area of the field is flooded in parts and very wet in other parts. Also there are many pot holes that are hazardous and could cause injury should one be so unfortunate as to step into one.

For the Good of the Club:

Open Discussion:

Eric Soderlund will be leaving the club as he's moving to Portage at the end of the month. He thanked the club for their friendship and help in learning to fly RC and will be sure to stop in during the fun fly. He also brought in several item to donate to the club including a large airplane stand, Futaba transmitter, and a vintage balsa kit, that the club can be use as raffle prizes or sold at the club table during the swap meet.

The club members wished him a bon voyage and best of luck on this new opportunity.

Product & Airplane Reviews:

Members were invited by Airport Manage John Chmiel to take a few minutes after the meeting to view the models in the airport's lobby that were donated by Jack Richie.

The meeting was adjourned at 7:58 p.m. on a motion by Rich Eastwood seconded by Ron Ernhardt.

Respectfully submitted,

John Gosz Date: 4/18/2015
Secretary

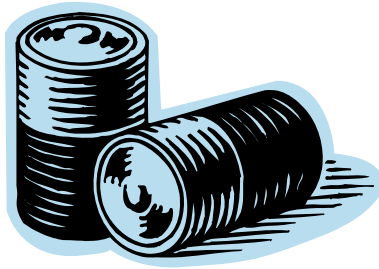
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Dues Reminder

Just a reminder that the club dues are due. These dues are used to keep the club running smoothly by paying for property rent, grass cutting, portable toilet, training program, Flypaper, Winter Fun Fly, Maintenance updates to keep the site in good order.

Thank You for your prompt attention to this task.

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**** DISPOSAL OF LIPO BATTERIES ****



Unlike NiCd batteries, lithium-polymer batteries are environmentally friendly. For safety reasons, it's best that LiPo cells be fully discharged before disposal (however, if physically damaged it is NOT recommended to discharge LiPo cells before disposal - see below for details). The batteries must also be cool before proceeding with disposal instructions. To dispose of LiPo cells and packs:

1. If any LiPo cell in the pack has been physically damaged, resulting in a swollen cell or a split or tear in a cell's foil covering, do NOT discharge the battery. Jump to step 5.
2. Place the LiPo battery in a fireproof container or bucket of sand.
3. Connect the battery to a LiPo discharger. Set the discharge cutoff voltage to the lowest possible value. Set the discharge current to a C/10 value, with "C" being the capacity rating of the pack. For example, the "1C" rating for a 1200mAh battery is 1.2A, and that battery's C/10 current value is (1.2A / 10) can be used, such as a power resistor or set of light bulbs as long as the discharge current doesn't exceed the C/10 value and cause an overheating condition.
For LiPo packs rated at 7.4V and 11.1V , connect a 150 ohm resistor with a power rating of 2 watts (commonly found at Radio Shack) to the pack's positive and negative terminals to safely discharge connecting it to an ESC/ motor system and allowing the motor to run indefinitely until no power remains to further cause the system to function.
4. Discharge the battery until its voltage reaches 1.0V per cell or lower. For resistive load type discharges, discharge the battery for up to 24 hours.
5. Submerge the battery into bucket or tub of salt water. This container should have a lid, but it should not need to be air-tight. Prepare a plastic container (do not use metal) of cold water. And mix in 1/2 cup of salt per gallon of water. Drop the battery into the salt water. Allow the battery to remain in the tub of salt water for at least 2 weeks.
6. Remove the LiPo battery from the salt water, wrap it in newspaper or paper towels and place it in the normal trash. They are landfill safe.

For disposal of all other batteries

In Wausau, Battery Mart or Batteries Plus will dispose of all types of batteries

EA: 1 Million U.S. Drone Flights Daily by 2025

Global UAS market to reach \$130 million this year

ATLANTA—There will be 1 million drones flights per day over U.S. soil by 2025, the Consumer Electronics Association predicts, “given the right regulatory environment.” The number comes the CEA’s Brian Markwalter, senior vice president of market research and standards, who shared the association’s domestic UAS economic analysis at the Unmanned Systems 2015 Conference in Atlanta this week.

“This is a billion-dollar technology market literally just waiting to take off,” Markwalter said. “We see a dynamic market with tremendous growth potential, once we have final Federal Aviation Administration rules to allow commercial UAS operation, combined with continued industry and FAA cooperation to achieve low-risk, beyond-line-of-sight flights.”

The CEA said that according to the research, the U.S. UAS market is growing, but risks falling behind in the global market due to domestic regulatory uncertainty. The CEA said its research estimated a pent-up market demand of \$150 million to \$200 million in UAS sales for line-of-sight operations. The specific source of the estimate was not mentioned, but commercial drone flight is not yet legal in the United States and allowed by only those with an FAA waiver. The agency is under Congressional directive to complete rules for commercial drone usage by September of this year.

With regard to the amateur market, UAS hobbyists fuel the U.S. consumer market with the potential to reach \$250 million by 2018, the CEA said. They add another \$200 million to the estimate should the FAA complete its line-of-sight rules on time. Additionally, with the continued development of “sense-and-avoid” technology and FAA rules that foster beyond-line-of-sight operations, the United States’ UAS industry could become a \$1 billion market, CEA said. Beyond-line-of-sight flight is of interest to broadcasters, who requested the capability in a joint filing on the FAA’s drone docket. (See, “[Drone Rules Tweaks Sought for Night Flight, Over Bystanders, Beyond VLOS.](#)”

“The ability for beyond-line-of-sight is the true game changer—opening the door to autonomous UAS operation and unleashing a remarkable economic potential,” Markwalter. said “...Realizing these economic gains will require ongoing FAA and industry cooperation, as well as a commitment to the necessary infrastructure.”

According to CEA projections, the global market for consumer UAS will approach \$130 million in revenue in 2015, increasing by more than 50 percent from 2014; with unit sales of consumer UAS expected to approach 425,000, an increase of 65 percent.

“Right now, more than 6 billion packages are delivered every year in the U.S., weighing less than three pounds apiece on average—perfect candidates for drone delivery,” Markwalter said. “The autonomous operation of UAS for the delivery of everyday items would not only lower the cost for consumers and improve delivery times, but also be a significant driver of our tech economy.”

Gary Shapiro, president and CEO of the CEA, said, “With the right regulatory environment, drones will be safely integrated into our transportation system—displacing noisy trucks, reducing urban traffic, cutting our fuel consumption and carbon emissions. This will allow for game-changing

innovations such as the quick delivery of life-saving diagnostics and medicine, improvements in crop production and efficiency, and safer work environments for those who inspect and maintain our buildings and bridges.”

- See more at: <http://www.tvtechnology.com/article/cea--million-us-drone-flights-daily-by-/275829#sthash.r0Jr2e06.dpuf>

Do you have something you would like to sell or are you looking to buy a certain airplane item? You can post it here and get exposure to the entire membership as well as some of our neighboring clubs.

Time to spread some fertilizer on the field





**WAUSAU R/C SPORTSMEN
AMA CHARTER CLUB #671**

**FREE assistance from experienced
R/C builders to help you
**SUCCEED
FLYING YOUR MODEL
AIRCRAFT!****

16TH ANNUAL R/C AIRCRAFT TUNE-UP CLINIC

**Monday, June 1, 2015 from 4:00 PM to Dusk
At Sunnyvale R/C Park – 72nd Ave – Wausau, WI**

GPS Info - Latitude 44 56' 49" --- Longitude: 89 43' 39"

FLYING FIELD IS DIRECTLY SOUTH OF SUNNYVALE PARK & MANMADE LAKE

"Minimum Buddy Box Training Age is Restricted to Ages 11 and Older"

Here's What You Should Bring:

- ◆ *Plane(s) that require assistance to complete your project*
- ◆ *Plane(s) you plan to use for your solo flight training*
- ◆ *Plane(s) you have finished but need control and engine testing*
- ◆ *Your manuals to assist with setup and testing*

Here's What You Will Learn:

- ◆ *Construction and testing tips for your plane, motor and controls*
- ◆ *How to prepare your aircraft for flying*
- ◆ *Flight training techniques – weather permitting*

For information contact: Louie Stark – 715-218-2988 - lstark295@aol.com or;
Ron Earnhardt – 715-536-3928 rearnhardt@airnetisp.com

Visit our WEB site at WWW.Wausaurcsportsmen.org



AMA CHARTER CLUB #671

WAUSAU R/C SPORTSMEN'S

51st ANNUAL

RC - FUN FLY-IN

SANTIONED BY THE ACADEMY OF MODEL AERONAUTICS #15-xxxx

**AMA & LOCAL SAFETY RULES ENFORCED – FREQUENCY CONTROL
AMA MEMBERSHIP REQUIRED TO FLY**

SATURDAY, AUG 8, 2015

WAUSAU, WI

For more information, maps, and event details, visit www.wausaurcsportsmen.org

or

CD -- Bob Weller - 715-842-1755 – bweller@wellertechnology.com

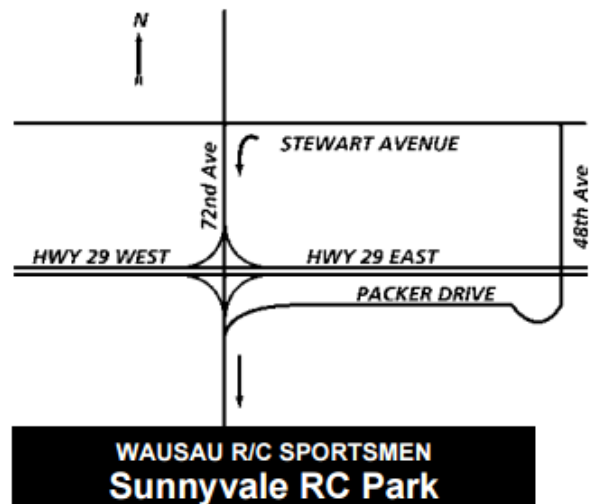
Louie Stark - 715-218-2988 - lstark295@aol.com

Raffle Drawing Scheduled For 2:30PM or Earlier If Weather Problems Exist

GPS Info - Latitude 44 56' 49" --- Longitude: 89 43' 39"

EVENT DETAILS:

- * PILOT REGISTRATION BEGINS: 7:45 AM
- * PILOT MEETING: 8:00 AM
- * FLYING STARTS RIGHT AFTER MEETING
- * PILOT REGISTRATION FEE: \$5.00
- * RAFFLE SCHEDULED AT 2:30 PM
- * BLACKTOP AND GRASS RUNWAY
- * PILOT PRIZE DRAWINGS ALL DAY
- * 72 MHZ TX's WILL BE IMPOUNDED
- * FOOD & REFRESHMENTS DURING EVENT



*Sunnyvale RC Park is located on 72nd Ave
West of Wausau and South of hwy 29
Free admission to the general public*



WAUSAU R/C SPORTSMEN

2015 MEMBERSHIP DUES

INVOICE
PAYMENT DUE 1/31/2015

Please Print

Name: _____

Please fill in completely for us to keep records updated. Thanks

Address: _____

City: _____

State: _____ ZIP: _____

AMA # _____ Age: _____

Phone: _____

Email: _____
(please print)

Check Type of Membership:

- Regular.....\$50.00
- Junior(Under 18 & parent not a member) \$20.00
- Family \$50.00 (list other names & AMA #)
 - 1. _____ AMA # _____
 - 2. _____ AMA # _____

Payment Enclosed: \$ _____

PLEASE MAIL TO: **Richard Lehmann**
P 3852 Pine View Rd.
Birnamwood, WI 54414

AMA and Club membership is required to fly at Sunnyvale RC Park.

THANKS..... Wausau RC Board of Directors



Fly Paper
Louie Stark
1811 Jackie Road
Mosinee, WI 54455



ADDRESS CORRECTION REQUESTED

