



Blue Max Aces

The Monthly Newsletter of the Blue Max R/C Flying Club

Editor - Jim Janiak

Volume 11, Issue 3

March 2004

Inside This Issue

From The Wolfe's Den	1
Winter Banquet	2
The Wolfe's Den	3
Meeting Minutes	4
Spring Jitters	6
Birthdays	6
For Sale	7
Frequency Chart	9

SPRING REMINDER!

Have you checked your plane out this winter? Be sure to cycle your batteries, check the servos, hinges, and control horns. Visually inspect the plane inside and out. Don't forget about the glow plug and switch. Be ready for early spring flying weather.

Visit Our Club Web Site at www.BlueMaxRC.com



FROM THE WOLFE'S DEN

by Don Wolfe, President

We just had our club's winter banquet, and it was a blast. Ira Katz and Ray Zinkowski with help from Bob Davit put together a great fun-filled evening. For those of you that could not make it you will have to read the banquet team's article on page two in this newsletter to see what you missed. Special thanks to all of you that helped put this program together. Great job guys!



This time of year is always a time of transition in our club. Every year we have some club officers stepping down and new people stepping up. This is just a natural progression of things in our organization, and I believe that it is good for the group in the long run. It is nice to have a mix of new guys and old club veterans. This way there is always a good flow of fresh ideas from the new guys. If they get too enthusiastic the older club veterans are there to keep them in line. Or let them know what has been done in the past, what has worked, and what has not worked. As I stated earlier, I feel this strikes a good balance of new ideas and club traditions.

This year we have several newer members stepping up and taking positions within the club. Jim Janiak is our new editor for 2004. He has taken the newsletter that Larry Breit has built up over the past few years and has already added some new twists of his own to it.

Dan Deitemeyer is our new club secretary. He has also made some changes in how that job had been done in the past. In doing so, he gave the secretary's report a great new look. Change can be good, but I don't see these things so much as change. I see this more as our club evolving and growing.

I also need to mention that Pete Sidor is our new for 2004 Field Marshall. I am looking forward to working with Pete. Good luck to all of you.

This is also the time of year when we look back at the past year and honor those club officers that have served our club and are stepping down from their positions.

- President**
Don Wolfe
- Vice President**
Ira Katz
- Editor**
Jim Janiak
- Board of Directors**
Larry Breit
Mark Matzuka
Tim Niemiec
Ray Zinkowski
- Secretary**
Dan Deitemeyer
- Treasurer**
Bob Davit
- Webmaster**
Mark Matzuka

COMMITTEES

- Banquet**
Bob Davit
Ira Katz
Ray Zinkowski
- Field Marshal**
Pete Sidor
- Flying Proficiency**
Mark Matzuka
Tim Niemiec
- Fun-Fly**
Paul Barsamian
Tim Niemiec
- Ground Crew**
Dennis Brumley
- Noise**
Frank Stillson
- Picnic**
Jim Keehan
Tim Niemiec
- Program**
Jim Keehan
- Safety**
Dennis Brumley

FROM THE WOLFE'S DEN

continued

Larry Breit has been the club's editor for the years 2001 – 2003. Larry is the guy responsible for getting the club's newsletter to the level that it is currently at. This is a tough job. Jim has his work cut out for him, as Larry will be a tough act to follow.

Dennis Brumley was our club's Vice President for the past two years – 2002 and 2003. Dennis was also the architect of the new pit area at the Deer Grove flying field; like he didn't already have enough to do. Dennis has always been a big contributor to the club and continues to do so in other capacities up to the present time.

Tim Niemiec has been our club secretary for the past two years. Tim brought to this position a level of professionalism that we really needed. Although Tim has stepped down as club secretary, he has stepped up to other positions within the club.

Don

WINTER BANQUET

by Ray Zinkowski, Ira Katz, and Bob Davit

This year's Winter Banquet was held at the Arboretum Club in Buffalo Grove on March 6th. Sixty-four people attended with everyone having a great time.

The lavish Arboretum Club is new to Buffalo Grove, opening about five months ago. The staff worked with us on every detail and were a pleasure to work with. Additionally, the meals were superb, tons of food on every plate, and the service was excellent!

Several changes were evident at this year's banquet which included a theme for the static display, appetizers, a kid's menu at a reduced price, and a kid's raffle.

The static airplane display had a Warbirds theme. We decided to hang fewer airplanes from the ceiling this year, since the ceilings in the Arboretum Club were 16 feet high! Actually, we were wondering if we would hang any planes since we were having trouble finding a ladder tall enough, but Tim Niemiec came through at the last minute with a ladder that weighed at least 100 pounds. Thanks to Bob Davit, Ira Katz, and Jim Keehan for bringing airplanes for display. Also, thanks to Don Wolfe who dropped the monster ladder off around midnight at Tim's house. Tim really appreciated that you got it back to him so soon!



The food was plentiful and wonderful. It started with a cold vegetable plate followed by hot hors d'oeuvres of Swedish Meatballs and Egg Rolls that were served to the tables. Each attendee had a choice of London Broil, Grilled Salmon, or Pecan Chicken. The kid's menu was Chicken Fingers (Ray, the biologist still claims chickens don't have fingers!). The meals were accompanied by a great salad, side dishes, and rolls, which were followed by a cake baked for a king.



Member Kurt Schmitt, the owner of Deerfields Bakery, donated the cake, which was filled with strawberries so large, you could not believe it. And to top it off, the icing had the Blue Max logo! Thanks Kurt for once again providing a fantastic banquet dessert. We were privileged to learn that Kurt will be getting married soon. He brought along his lovely bride-to-be Cindy. Congratulations to the both of you and the club wishes you the best!

The raffle was divided into member's prizes, spouse/significant others prizes, and kids prizes. Dennis Brumley was the happy winner of two women's gifts, before getting his member's prize. We thought the first time he was kidding, but then he won again when we again drew from the women's tickets! Thanks for being such a good sport!

Jim and Jodie Speers of Base Zero Productions produced the club video this year. They did a very nice job of highlighting the events of the year. Also, they have agreed to provide copies of the video on DVD for club members

Continued on page 8

MEETING MINUTES

by *Dan Deitemeyer, Secretary*

Blue Max R/C Flying Club

February Meeting Notes

Meeting Date: February 16, 2004

Secretary: Dan Deitemeyer

Don Wolfe brought the meeting to order. There were no new members or guests.

Pilot's Briefing

Brian Johnson from Venture Hobbies provided interesting information about gas powered planes. Brian brought in his beautiful Desert Aircraft 42% scale plane powered by a twin cylinder gas engine. Brian explained that there are basically two ignition systems; magneto and electronic ignition. While the magneto is typically less expensive, the weight is greater and the engine is harder to start. Magnetos can also cause the engine to kick when starting, creating a potential safety issue. Electronic ignition is lighter, allows the engine to idle at lower speeds and the engine is much easier to start. Brian told us he flips his prop with an ungloved hand to start.

Brian mentioned several advantages and disadvantages to gas engines. Advantages included low maintenance (Brian has *never* adjusted his engine!), fuel economy and no messy cleanup after a day at the field unless you're using a "really cool smoke system". Some of the disadvantages are making sure the engine is adequately cooled by having air flow over the cylinders, noise, and making sure that there was separation between the engine electronics and radio gear so that there was no interference.



Around the Hangar

The secretary's report was accepted as published in the newsletter. **Bob Davit**, Treasurer, stated that our operating fund balance is \$7,761.66 and the field renovation fund balance is \$1,955. Bob pointed out that "non-renewable expenses"; i.e., expenses paid through memberships, were \$5,892 last year.

Ira Katz and **Ray Zinkowski** gave an update for the banquet that is scheduled for March 6 at the Arboretum Golf Club in Buffalo Grove. Members were reminded to select their dinner choices and return the invitation with payment. The deadline for invitations has been extended to the end of February. Donations are being accepted for door prizes. Although hobby related items are always appreciated, donations may also include other items as well. Planes will be on display again at the banquet. The theme this year is military so all war birds are welcome. It's not too late to give **Jim Speers** your digital pictures and video clips.

Pete Sidor, Field Marshall, assured us that the field is still there, albeit snow covered. Pete's gearing up for the season and will contact mowing contractors to maintain the field this summer. **Frank Stillson**, Noise Control, promised to bring information to the March meeting about reducing noise with selection of propellers. He mentioned, as an example, that a two bladed wooden propeller produced more noise than a three bladed composite propeller. **Dennis Brumley**, Safety Director, said to watch out for radio "hits" in the golf dome. He said that JR gear was particularly susceptible. **Mark Matzuka** reported no proficiency advancements.

For a definite sign that Spring is coming, **Tim Niemiec** has planned our first fun fly in April. Tim says we need the practice so we'll be doing timed "touch and goes" for the event.

Cockpit Announcements

A new supply of hats and sweatshirts will be available for purchase at the March meeting.

Larry Breit represented The Board of Directors and proposed two amendments to the club constitution. The first change deals with prorated dues for new members joining the club. New members joining in January through July 31 will pay full annual membership. Members joining in August through October 31 will pay half the annual membership amount. Members joining in November through December 31 will pay the full annual membership amount but dues for the following year will not be assessed. The initiation fee is required regardless of when the new member joins. The second amendment deals with the succession of officers. Should the President be unable/unwilling to serve the full term, the Vice President will rise to President. The new amendment calls for a special election to be held to elect a new

MEETING MINUTES

Continued

Vice President so that succession of officers would continue. Both amendments were approved by a vote of members. The Board of Directors also approved the club provide uniquely designed hats to instructors in recognition of achievement of the proficiency level and to identify instructors at the field.

Rough Landings

There were no crash reports. For some reason, the mishaps in the golf dome don't count. Dennis Brumley confessed to having his plane make a full throttle encounter with the underside of the balcony at the dome. Of course, he blamed the radio.

The SIG Li'l Rascal we reported on last month is now in intensive care at Venture and still displaying unusual flight characteristics – the prognosis is questionable.

On the Flight Line

Lee Eckert kicked off the Show-'N-Tell Segment by displaying his Jerry's Big Boy. Lee assembled the laser cut kit that had its origins with the Ultra Stik 120. Lee's plane is powered by a G23 gas engine and uses pull/pull hookups for elevator and rudder connected to Hitech digital servos for which Lee programmed the centers. Lee also designed the Monokote trim scheme.



Rudy Krolopp succumbed to the desires of his Grandson who asked to learn to fly by scratch building a beautiful Stik. Rudy's 4 ½ lb creation has a noticeable dihedral that will provide self correcting characteristics for the young pilot. Rudy's impatience for spring was obvious by the snow skies attached to the plane.



Standing on tradition and convention, and not to be outdone by anything made of foam, **Dennis Brumley** offered us his scratch built park flier. Dennis received his inspiration from planes he saw at the golf dome, fired up his CAD program, glued together some carbon fiber and balsa and the result was his pretty 8.3 oz plane. Actually, it was a little more

involved than that, but Dennis made it sound really easy. Dennis' model is covered in UltraCote and is powered by a brushless motor producing 12 oz of thrust.



Top Gun

February's raffle was for a widely popular model from Hangar 9, the Funtana S 3D ARF. This plane was first introduced last year and is coveted for its 3D capabilities. There are several Funtana owners in the club and the newest Funtana owner is **Murry Randell**. Congratulations, Murry!

FUEL PURCHASE PROGRAM



Back by popular demand, is the **Blue Max Fuel Purchase Program**. This is an excellent way to save time and money by purchasing fuel in bulk. In the past the club has been able to save about \$3 - \$4 per gallon with this program.

Fuel must be purchased in full case increments. If you cannot use a full case, partner with someone else to split one. Fuel pick up will only be at an assigned time at Venture Hobbies. Venture will not hand out the fuel and it will be distributed by the club at the store. Safety requirements prevent Venture from storing the fuel for more than a day or two, so be sure you will be able to pick up the fuel on the assigned day.

Specific information will be available at the March meeting and keep your eyes open for an email. If there are any questions, contact Mark Matzuka or Larry Breit.

FUN FLY

by Tim Niemiec and Paul Barsamian

We are looking forward to the first club fun fly, which will be held next month. The fun fly will start at 10am sharp on Sunday, April 18th, weather permitting. The first event of the year will be a spot takeoff and timed touch and go's. You will have a time limit to do as many touch and go's as you can. This will get those of you who forgot how to takeoff and land back into the swing of things. The fun fly for May will be a spot takeoff and landing with timed maneuvers in between. After May we will get into more challenging events! Like a limbo contest and possibly plane bowling. If you have ideas or suggestions feel free to contact Paul Barsamian or Tim Nimiec.





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A SOUND RESOLUTION

by Frank Stillson, Noise Chairman

There are four main sources of noise “producers” on our plan - exhaust noise, engine, mechanical noise, airframe noise and Propeller noise. Most flyers are aware of and concentrate on the exhaust noise, but ignore the other noise contributors. Noise is the #1 reason that clubs lose their flying sites and it is a major issue at the Deer Grove Flying site. This article concentrates on Propeller noise.

A few years ago, Al Rychilk did a program on noise control. He referenced an article from one of the R/C magazines that stated if a propeller tip speed exceeds 550 Feet Per Minute [FPM], then the propeller has become a predominate noise contributor. Al validated the article by performing some of his own testing and he made up a chart, which shows the relationship between propeller size, Revolutions Per Minute [RPM] and the speed of FPM.

To check the tip speed of your prop, use a tachometer to measure the prop RPM at maximum power. If you do not have a tachometer, just ask around at the field, many flyers have them. Reference the below chart and see whether the RPM for your prop size is at 550 FPM or lower. If it is, then your prop is not generating too much noise. If it is above 550 FPM there are a couple of things you can do.

1. Go up one size in pitch. Example: 10x6 to 11x7. The additional loading will decrease the RPM.
2. Decrease the prop size while increasing the pitch. For example; 11x6 to a 10x7. The shorter diameter allows higher RPM while the increase in pitch keeps the loading.

One last item on propeller noise is tile prop design itself. I personally do not know the technical reasons but APC propellers, which have a pointed end verses a “square end”, have been proven to be a quieter prop .

Tip Speed (Feet per Second)

	350	400	450	500	550	600	650	700
5.5	14,584	16,668	18,751	20,835	22,918	25,002	27,085	29,169
6	13,369	15,279	17,189	19,099	21,008	22,918	24,828	26,738
6.5	12,341	14,104	15,867	17,629	19,392	21,155	22,918	24,681
7	11,459	13,096	14,733	16,370	18,007	19,644	21,281	22,918
7.5	10,695	12,223	13,751	15,279	16,807	18,335	19,863	21,390
8.5	9,437	10,785	12,133	13,481	14,829	16,178	17,526	18,874
9	8,913	10,186	11,459	12,732	14,006	15,279	16,552	17,825
9.5	8,444	9,650	10,856	12,062	13,268	14,475	15,681	16,887
10	8,021	9,167	10,313	11,459	12,605	13,751	14,897	16,043
10.5	7,639	8,731	9,822	10,913	12,005	13,096	14,188	15,279
11	7,292	8,334	9,376	10,417	11,459	12,501	13,543	14,584
11.5	6,975	7,972	8,968	9,964	10,961	11,957	12,954	13,950
12	6,685	7,639	8,594	9,549	10,504	11,459	12,414	13,369
12.5	6,417	7,334	8,251	9,167	10,084	11,001	11,918	12,834
13	6,170	7,052	7,933	8,815	9,696	10,578	11,459	12,341
13.5	5,942	6,791	7,639	8,488	9,337	10,186	11,035	11,884
14	5,730	6,548	7,367	8,185	9,004	9,822	10,641	11,459
15	5,348	6,112	6,875	7,639	9,931	9,167	9,931	10,695
16	5,013	5,730	6,446	7,162	7,878	8,594	9,311	10,027
17	4,718	5,393	6,067	6,741	7,415	8,089	8,763	9,437
18	4,456	5,093	5,730	6,366	7,003	7,639	8,276	8,913
19	4,222	4,825	5,428	6,031	6,634	7,237	7,840	8,444
20	4,011	4,584	5,157	5,730	6,303	6,875	7,448	8,021
21	3,820	4,365	4,911	5,457	6,002	6,548	7,094	7,639
22	3,646	4,167	4,688	5,209	5,730	6,250	6,771	7,292
23	3,488	3,986	4,484	4,982	5,480	5,979	6,477	6,975
24	3,342	3,820	4,297	4,775	5,252	5,730	6,207	6,685
30	2,674	3,056	3,438	3,820	4,202	4,584	4,966	5,348

FOR SALE

PDC 10 Amp / 13.8v DC Regulated Power Supply



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Contact: Mark Matzuka at Webmaster@BlueMaxRC.com

Top Flight Beechcraft Bonanza (straight tail) - Gold Edition, 81" wingspan with a new OS 91 FX 2-stroke engine and 4 Futaba servos. Only two 10 minute flights on the plane. Ready to fly, all you need is a receiver and battery.



Price: \$475.00 or make offer. **Contact:** George Gibisch, Geeegib23@aol.com.

Goldberg Decathlon with a Saito 91, Wingspan: 80.75" (2 piece wing w/aluminum wing tube)



Wing Area: 969 sq in Weight: 9.5-10.5 lb Wing Loading: 23.7 oz/sq ft Airfoil: Semi-Symmetrical, High-Wing **Includes:** Saito 91 four stroke, runs excellent Tru-Turn aluminum spinner APC 14x6 prop 5 - Hi-Tec 605BB high torque servos (2 ailerons, 2 elevators, 1 rudder) 1 - mini throttle servo. All that is needed is a receiver and transmitter, ready to fly. This model has been flown approximately 50 flights. It has never been crashed. Model is covered in Ultra-Cote.

Price: \$475.00. **Contact:** Larry Breit, TheBreit1@comcast.net.

FLEET REDUCTION SALE. **Contact:** Jim Keehan, JimmKeeh@aol.com.



1. Ultra Stick with OS 70 (4 stroke) engine, Includes: flaps, servos, on-board glow, manuals and both batteries (receiver & on-board glow).

Price: \$275.00

2. SIG Rascal with Saito 56 (4 STROKE) engine, Includes: servos, on-board glow, manuals and both batteries (receiver & on-board glow). **Price:** \$300.00.



UPCOMING BIRTHDAYS

March

3/14 — Chris Harden
3/16 — Brian Janiak
3/23 — Donald Andrews
3/27 — Malina Phillips

April

4/2 — Bob Schlumpberger
4/3 — Howard Gerson
4/5 — Terrance Kelly
4/8 — Eugene Kisenko
4/9 — Charles Henrici
4/12 — Steve Cynor
4/12 — Howard Woepse
4/14 — Aaron Appell
4/17 — Chuck Poviliatis
4/17 — Kurt Schmitt



WINTER BANQUET

Continued from page 2

at cost (around \$2 per copy). If you would like a copy, email the banquet committee and we will forward your request to Jim.

Our entertainment was the renowned hypnotist Bill Anderson. From what I hear this guy was great. I missed that part of the show since I (Ray) was one of the volunteers hypnotized. Bill had me and the other participants (Tim Niemiec, Sally Ozga, Alex Guitierrez and Danny Stookal) doing some pretty funny things. I enjoyed it though! We got to go on a rocket ride to the moon, see the crowd naked through binoculars (no comment), act like an alien, and give birth to a child. Among other things we demonstrated where our abilities in break dancing and the Macarena. Thanks to all the participants that joined me. I'm really glad we all had a fun time. Sally Ozga was the best from what all have said! Thanks Bruno for bringing her to the banquet!



Don Wolfe gave an excellent Presidential speech. His notes were written on the back of a Venture Hobbies receipt! Don spoke for 25 minutes about the club accomplishments this last year and gave awards to individuals who were



officers over the past years. Recipients of award plaques included Ira Katz for three years service on the Board of Directors, Dennis Brumley for two years service as Vice President, Tim Niemiec for three years as club Secretary, and Larry Breit for three years as Editor. Other people in attendance were recognized such as Dennis, Ken Grandt, and Ira for their help in field reconstruction, and the general membership for their backbreaking work and generous donations to the field reconstruction project. The GAS Club was also recognized for their generous donations to the field project and to the various members of that club that helped in the reconstruction efforts.

We had a ton of prizes for the raffle, and in large part, that was possible through donations from many individuals. Don Phillips of Venture Hobbies was very generous, donating an ARF and many other items. The reason this is possible is because of the support Venture Hobbies gets from our members. Don has always been a great supporter of our club. If your thinking about a new plane, radio, or other items, Venture Hobbies is your one stop shop. With experience, a friendly atmosphere, and prices that are better than any competitor. The only part of Venture Hobbies that we missed this year was Bonnie Phillips, who could not attend due to new grandchild in the family. One of our members, Roger Rivenburgh, also donated many prizes. Roger donated an airplane kit, an FX 46 engine, a plane hanger, and other items. Don Wolfe donated two kits. Jarvis, at Maxx Products, donated R/C accessories that were of substantial value. Thanks Don P., Don W., Roger and Jarvis; we all appreciate your generosity. We also had anonymous donors for other banquet related items, thanks guys.



Many folks had cameras, and shortly there should be pictures of this event on the web site. If you are planning to send pictures to the Webmaster, please check with him prior to sending out the pictures. As you know, many times Mark Matzuka is out of the country, and if you send him 20 MB of pictures while he is trying to download DUAT or other info necessary for the flight, it really causes problems in his flight planning. Send your pictures to Webmaster@BlueMaxRC.com.

This year banquet committee consisted of Ira, Ray, and Bob Davit. Bob helped finalize a lot of details. Thanks Bob! We hope all that attended had an enjoyable evening, and we look forward to seeing everybody at the 2005 Winter Banquet!

Ray, Ira, and Bob

INSTRUCTORS

Basic

Don Linder

Primary

Paul Barsamian

Larry Breit

Ed Der

Jason Derbick

Maurice Forde

George Gibisch

Ira Katz

Kurt Schmitt

Clay Smith

Jim Speers

Frank Stillson

Don Wolfe

Unlimited

Mark Matzuka

Tim Niemiec

Ron Petterec

Barry Schilling

Bob Tomasulo

Howard Woepse



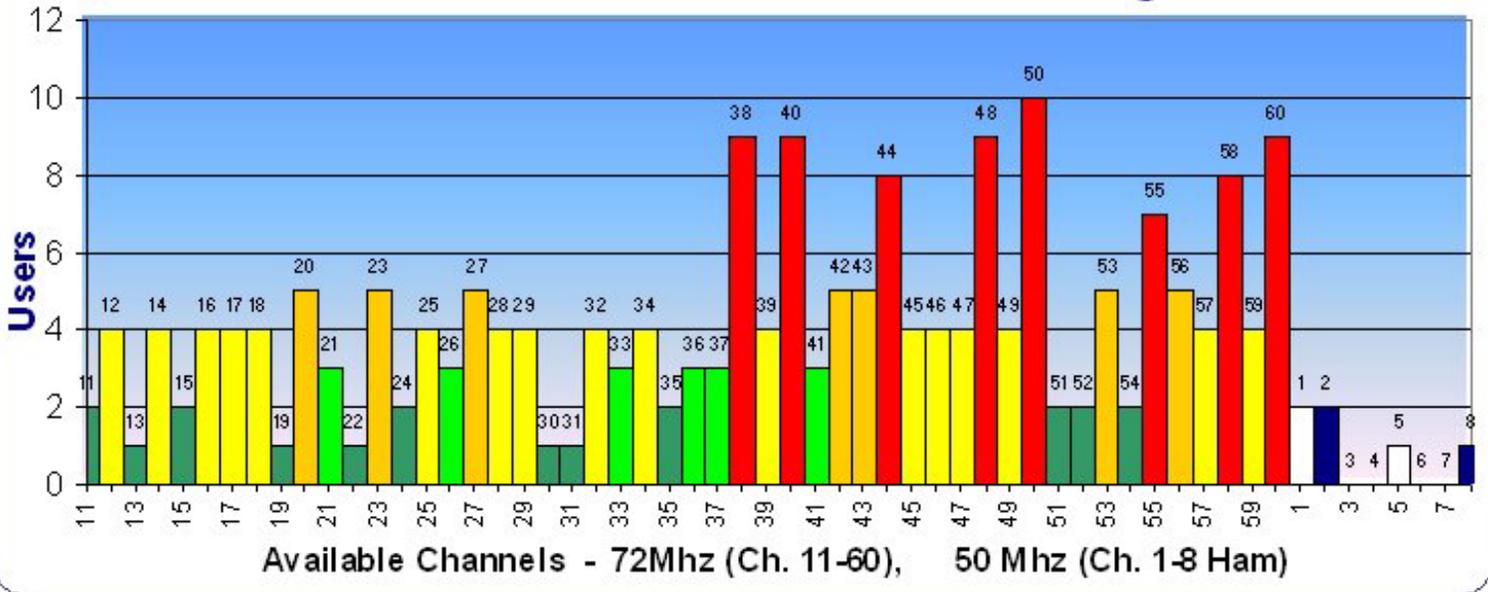
**Winter Banquet
2004**



GROUND CREW

- Ardie Arnold
- Larry Bochenko
- Dennis Brumley
- Gene Derbick
- Jim Keehan
- Joe Keehan
- Herb Rizzo

Blue Max Member Radio Channel Usage



Please contact Mark Matzuka (Info@BlueMaxRC.com) with the following information to add or change radio channel numbers.

1. Your name.
2. All transmitter channels (example: 16, 44, 58 and Ham 4).
3. Any other comments.

Blue Max R/C Flying Club
AMA # 1040
www.BlueMaxRC.com

**UPCOMING EVENTS FOR
MARCH, APRIL, AND MAY 2004**

MARCH 2004

15) Monthly Meeting - 7:30 P.M.
Topic: Inside the Cockpit by
Steve Sandler from
Waulegan Stick and Rudder Flying Club
Raffle Prize: Hanger 9 Corsair!

April 2004

18) First 2004 Fun Fly!
Touch and Goes
19) Monthly Meeting - 7:30 P.M.
Topic: SIG Somethin' Extra Building Project

May 2004

16) Fun Fly!
17) Monthly Meeting - 7:30 P.M.
Topic: SIG Somethin' Extra Building Project

