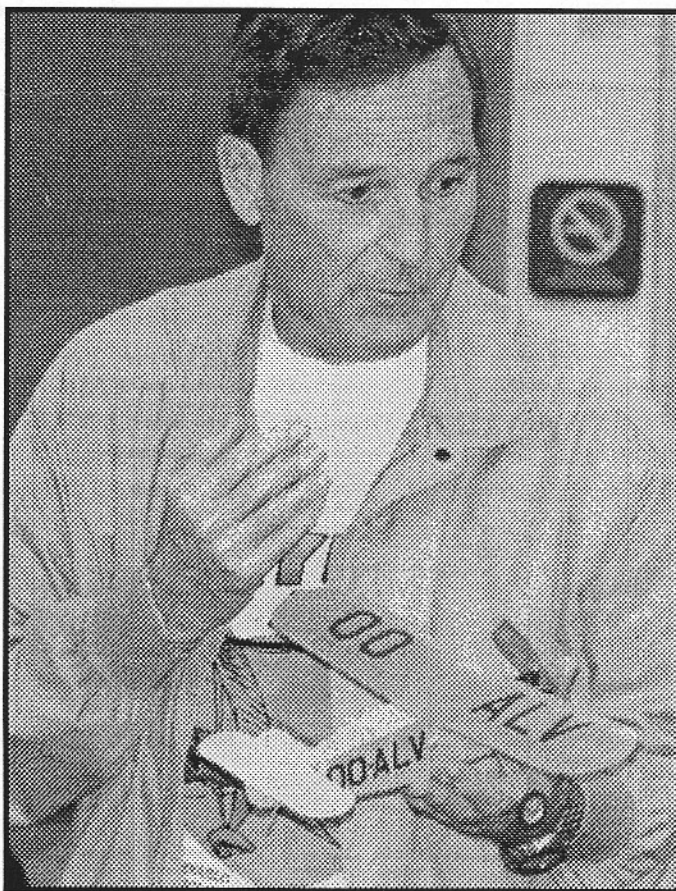


THEY BRAVED THE STORM TO COME

Though it is hard to appreciate now, after two weeks of fine weather, our January meeting was held at the Novato Fire House under threatening skies and the surrounding fields were lakes from a month of torrential rains. Ten intrepid souls braved the storm's aftermath and were present when the meeting was called to order. Then three more straggled in. The addition of "Rescue Randy" (the NFD training dummy, well dressed in a sweat suit with his name on it) brought our attendance to the luckier number of 14. Incidentally, the attendance sheet showed the number of years each person there had been modeling; it varied from 10 years by John Carlson to 65 years by Earl Hoffman, the majority varying between 40 and 60 years. Have we got an experienced group of modelers for members!



Hiebcar photo

Tom Brennan with a hand full. This mighty mite is a Renard R-17 with scale radial engine made from flex straws.

FREQUENCY ALERT!

The FCC is proposing that the narrow band frequencies in the 72 and 75 Mhz bands R/Cers currently be split again, awarding the the new frequencies to mobile radio broadcasters 2.5 kHz away from a large number of our 72 and 75 Mhz frequencies. Most R/C sets transmit with a power of 1/2 watt, providing a line of sight range of approximately 2 miles. The new mobile frequencies could have a power output of 3 watts with a proposed technical frequency tolerance which could place their signal directly on R/C frequencies! The attached flyer from AMA urges that we each write our Congressmen (or women) and Senators protesting the FCC proposal. Responses and letters have to be mailed before the end of February. Our Senators are Barbara Boxer and Dianne Feinstein. The Congressmen from our local areas are: Marin, Dan Hamburg and Lynn Woolsey; Napa, Dan Hamburg and Wally Herger; Santa Rosa, Dan Hamburg; San Francisco, Nancy Pelosi and Lynn Woolsey; Sonoma, Lynn Woolsey; Clear Lake, Dan Hamburg. Please write those persons and agencies in the federal government that represent you, using the information suggested in the flyer!

FEBRUARY MEETING

Next meeting will be Wednesday, February 17, 1993, at 7:30 PM at the Novato Fire House Training Room, Atherton Road. Prez Brian has invited Rick Jeans of AACOM Systems, specializing in UAV military aircraft telemetry systems. He will have slides and tell us about uses of R/C models in the military. Perhaps Rick can spin some stories on how R/C models were used in Desert Storm. Remember to bring your Show & Tell projects.



Don Bekins reported the glowing comments received regarding the memorable story written by Remo Galeazzi about his modeling youth. Park Abbott wrote a similar article some time ago for the Antique Flyer. This is the stuff that makes our newsletter more interesting. He appealed to our membership to continue providing such articles and stories for future issues.



SAM 27 FINANCES

You may have thought our treasurer has been sitting around doing nothing during his tenure as our chief financial officer. He has thought fleetingly about a trip to the Bahamas (at members' expense), but decided to "fess up" and report accurately on our chapter's financial condition. Here it is:

Bank Balance @ 1/14/92		\$2,087	
Bank Balance @ 1/20/93		\$2,460	
<u>Revenue</u>		<u>Expense</u>	
Dues 1992	\$360	Antique Flyer	\$836
Dues 1993	540	Raffle prizes 1991	80
Monthly raffle	309	Raffle prizes 1992	155
Browns Valley Raffle	235	Browns Valley prize	180
Browns Valley porta	35	Browns Valley porta	58
Sales: Polo shirts, etc.	120	Pacific Ace plan	125
C&B profit	<u>350</u>	Contribution:	
		West.Aero.Museum	100
		Office — misc.	40
		AMA Charter & Ins	40
		Thank You Flowers	<u>150</u>
	\$1949		\$1764
1992 Revenue	\$1949		
1992 Expenses	<u>1764</u>		
Profit	\$185		

Differences in 1992 and 1993 bank balances: \$373
An unaccounted for gain: \$188

Now, how many SAM chapters can boast a treasurer who comes up with more money in the bank than he can account for? Check your pockets, Gang. John Carlson is a magician treasurer!

SAM 95 BOHEMIA FORMED

SAM 27 member, Rado Cizek, from Czechoslovakia, has formed a new SAM chapter in the western part of his country following the splitup of the Czech and Slovakian republics. Don Bekins received a copy of their first newsletter, written (of course) in Czech. The enthusiasm for old timer flying is really blossoming in that country.

FREE FLIGHT ROW MEET SCHEDULED

Jerry Rocha reported a free flight meet coming up in Sacramento at Waegell Field. Many SAM 27 members may not know it but past president and deceased member, John Drobshoff, still is credited with several AMA free flight ROW records. This should be an interesting event to watch and participate in. Ask Jerry for further information.

FUTURE PROGRAM SUGGESTIONS

Prez Brian Ramsey asked for suggestion to broaden the programs at future meetings. See his special column in this issue for particulars. Suggestions from the floor included viewing the new AMA film by Rod Persons on free flight and old timers. Another came from Ron Keil who has some old John Drobshoff films which he has transferred to VHS tape.

FUTURE RAFFLES

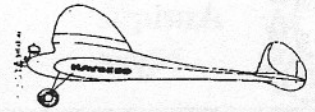
Raffles during 1992 have proven to be popular, with many donated and some purchased prizes. Don Bekins reported on the very successful raffles of R/C sets by SAM 30 to members only. A number of sets were purchased at a low special price and have been raffled to eligible SAM paid up members. Once a set has been won, the member may not participate in future raffles for a set. The odds of winning become very good over time — as each member puts in \$5 or more for a ticket at each meeting. By now three quarters of the SAM 30 members have won a set and the members have been flocking to meetings for the goodies. Ron Keil suggested a Hobby Shack sale of light weight servos for less than \$15 each for prizes. It was agreed that SAM 27 servos and include a pair in each of the next 8 monthly meetings. (Ordered 1/25 by John Carlson)

MORE FUN FLYS AT LAKEVILLE SITE

A suggestion was made that we have more informal fun flies scheduled at the Lakeville Road flying site, with lunch following at Papa's Taverna up the road. We hope to set 3 or 4 dates at the February meeting to encourage more use of our field. Buzz Passarino suggested that we award points at the fun-fly events with the points accumulated toward prizes at the end of the season. SAM 21 has a formalized program such as this which is very popular.

OT ELECTRIC TEXACO POSTAL MEET

John Carlson asked if there was any interest in SAM 27 participation in an OT Electric Texaco Postal Meet for February 20th and sponsored by the Watts Up Electric Flyers (advertized in the last issue of Antique Flyer). Some interest was indicated, so John will call participants and organize the event. Please call John and let him know if you want to be included.



SAM 27 SOCIAL GATHERINGS

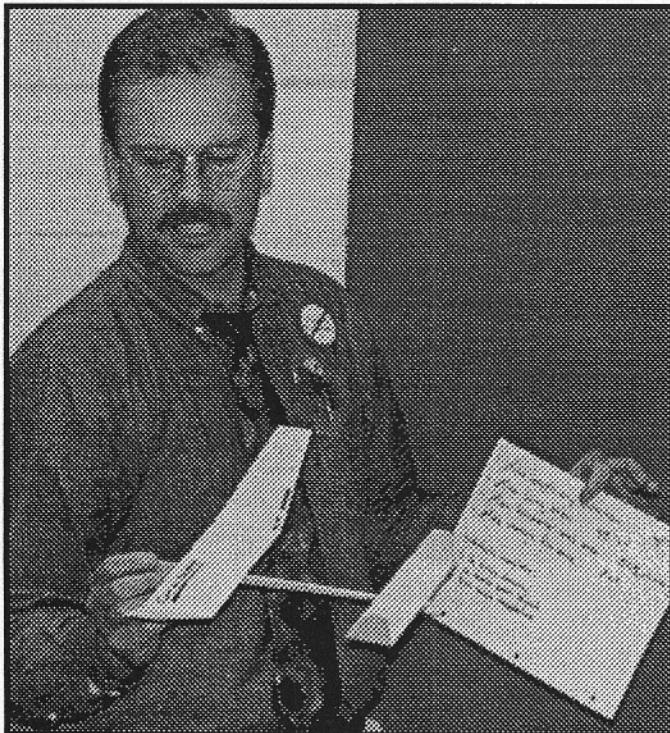
Don Bekins suggested that SAM 27 might schedule a social gathering or two during the year so our wives and friends could enjoy potluck picnics and not necessarily attached to the flying of models. Potential locations could be at Ed Hamler's, Don Bekins' or Ron Keil's homes. Remo Galeazzi again offered his hangar at Schellville Airport as a possibility.

BROWN'S VALLEY FUN FLY

SAM 27 member and president of SAM 30, Speed Hughes, again offered to have a fun fly this spring at Browns Valley near Marysville. Everyone who attended the fun fly in 1992 had a grand time, particularly enjoying the great breakfast provided by the property owner on Sunday morning. The wild flowers and lush green grass were a delight, with camaraderie and jokes making the fun fly a real happening. Ron Keil suggested that such an event could also be held at the new SAM 75 field near Clear Lake. Let's discuss it at our February meeting.

SHOW & TELL

Rocco Ferrario showed recently acquired plans of OT rubber models which generated much interest prior to and after the meetings. These were all the size of the Gollywock and larger and reportedly great flyers. They are available



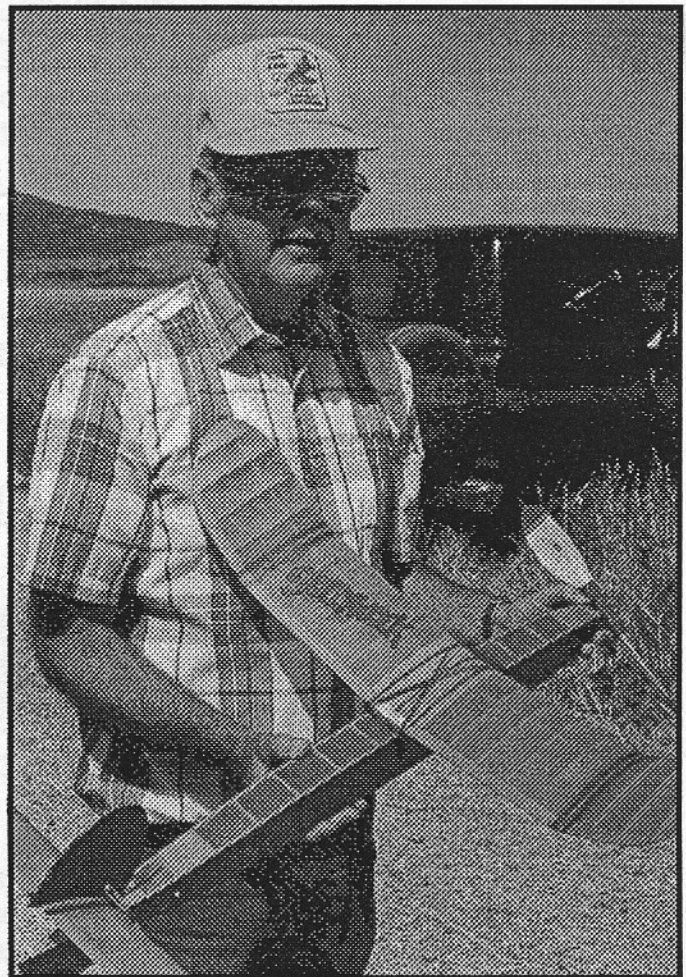
Rocco Ferrario shows us his class glider project along with a note posted on the student bulletin board announcing a reward for the first model completed.

from Rocco if any member has an interest in building one of them.

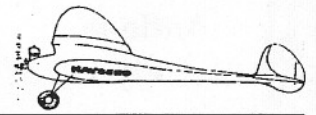
Jerry Rocha brought in a beautifully framed Smith Mulvihill rubber model which looks much like a large Gollywock. It will have a 16" folding prop and lots of rubber. Jerry also had some kits by Canada's Easy Built Models for small rubber similar to the Pacific Ace and Korda designs. Although print wood was used, the quality appeared to be quite good. Two kits will be for prizes at the SAM 27 spring OT rubber meet which Jerry is organizing. Details at February meeting.

Ron Keil showed a NIB Webra 4 cycle 15cc (.90 cu.in.) rotary valve engine featuring a plastic belt drive for the rotary head valve. The engine is apparently quite popular in Europe but seldom seen in the US.

Don Bekins displayed three engines: two McCoy 29s and an Ohlsson 29, acquired for \$25 at, of all places, an auto parts store. While at the store the conversation got around to models and the attendant went in the back and brought out



Master builder, Buz Passarino, with his Gollywock at our 1992 "Gollywock Gaggle". Unfortunately the wind blew rather hard that day so the field proved a little small



a dirty box of barely identifiable model engines, caked in grime. The engines were disassembled and cleaned, and Ed Solenberger and Bekins supplied some parts and labor and were able to create two good running McCoys, but the Ohlsson proved to be good only for a few spare parts.

RAFFLE (Collected \$26)

Prize	Donor	Winner
Kit: Baby Comm.EZB	Brian R.	Ron Keil
Catalog of Model Builder plans	Rocco F.	Don Bekins
Copy of original 1907 US Specs.for Wright		
Bros Heavier-than-air flying machine	John C	Rod Persons

On the next two pages you will find information and a sample letter you can write to your legislators regarding the proposed FCC frequency rule making (NPRM-PR Docket 92-235).

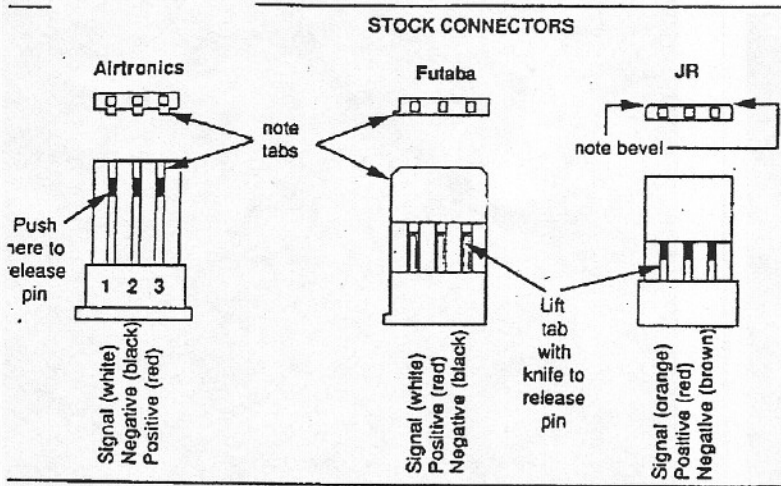
It is imperative that we individually, as R/C modelers and hobbyists, write to as many of our legislator and regulators as possible. The power of the individual written word is mighty if it comes in great numbers and in different formats. Therefore, it behooves us to take the example letter and add our own words and experiences to write to the proper people. For local SAM 27 members I have mentioned your area congressional representatives and Senators. I know some of these people and they will respond -- but only if you write. I have the sample letter on my computer and will be glad to take your individual information by phone or handwritten note to customize your appeal.

Call me and we'll get it done!

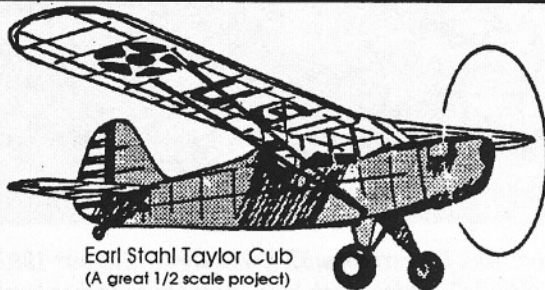
Don Bekins, editor, Antique Flyer

THE CONNECTOR PUZZLE

As you connect up your R/C equipment, you might find there is difficulty and confusion as to which colored lead goes where. This simple chart gives the wire locations of the most common modern equipment. Deans connectors can be arranged any way, but I generally locate the signal on the separated pin, with the negative in the middle and positive on the outside pin.



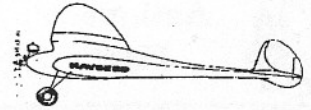
Brand of gear	Signal	Positive	Negative
Airtronics (new-er)	White	Red	Black
Airtronics/Sanwa (older)	none*	white stripe*	None*
Futaba	White	Red	Black
JR	Orange	Red	Brown
Hitec	Yellow	Red	Black



Earl Stahl Taylor Cub
(A great 1/2 scale project)

RADIO CONNECTORS:

- Airtronics:** Pin #3 = +4.8 volts, #2 = minus, #1 = signal.
- Futaba:** Red = +4.8 volts, Black = minus, White = signal.
- Deans:** Center Pin = +4.8 volts, End = minus, Key = signal.
- Kraft:** Red = +4.8 volts, Black = minus, Orange = signal.
- "JR":** Red = +4.8 volts, Brown = minus, Orange = signal.



Urgent Frequency Alert!

(Responses needed before February 26, 1993)

To all users of model frequencies in both the 72 and 75 MHz bands.

The Federal Communications Commission (FCC) has issued a Notice of Proposed Rule Making (NPRM-PR Docket 92-235) which, if implemented, will have a profound effect on model frequency use. Developed by the FCC Land Mobile Service, it creates a massive frequency restructuring—the first of its type in 60 years.

The 419 page document addresses frequency use in another service (Part 88) but will also affect Part 95 where our RC frequency use lives. Without becoming too technical, the restructuring inserts two new frequencies between those presently assigned for modeling use and commercial users. That means we could have a transmitter almost four times the power output of ours, only 2.5 kHz away from a large number of our 72 and 75 MHz frequencies.

In the 72 MHz band, thirty-one of our frequencies would be bracketed, principally in the lower end of the band (below channel 42). A similar condition would exist in the 75 MHz band. Two examples of the frequency placing would look like the following:

Model Channel 14	72.070 MHz
New insert	72.0725 MHz
New insert	72.0775 MHz
Present Commercial	72.080 MHz
New insert	72.0825 MHz
New insert	72.0875 MHz
Model Channel 15	72.090 MHz
<i>OR</i>	
Model Channel 62	75.430 MHz
New insert	75.4325 MHz
New insert	75.4375 MHz
Present Commercial	75.440 MHz
New insert	75.4425 MHz
New insert	75.4475 MHz
Model Channel 63	75.450 MHz

Not only are these new frequencies very close to ours, they are also designated as "mobile", therefore we would never know where they are operating, including right in the pit area at your field or on the street and highway nearby. In addition, the technical specifications for the new equipment allows a legal frequency tolerance which could place their signal directly on ours!

What can be done to address this situation?

The Academy, with full industry support, will pursue all avenues available through the legal counsel they retain to represent modelers before the FCC. The first step in that process is the filing of formal comments prior to February 26, 1993. Other steps will follow.

We have been strongly urged to use "every arrow in our quiver" to address this proposal. You and your club members are very important arrows that can help us make our point!

You are being asked to write *NOW* to those persons and agencies in the federal government that *represent you!*

To a Senator:

The Honorable (name)
United States Senate
Washington, D.C. 20510

To the FCC:

FCC
1919 M St, NW
Washington, DC 20554

To a Representative:

The Honorable (name)
U. S. House of Reps.
Washington, D.C. 20515

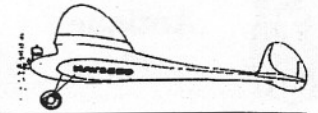
(For the name of your Senator or Representative, contact the Capitol Switchboard at (202) 224-3121.)

In writing your letters it is important to do the following:

- 1. Include the identification of the proposed rule making:** PR Docket 92-235
- 2. Personalize your concerns:**
"I am retired and derive many hours of pleasure from building and operating radio controlled models."
"I am an active competitor in local, national, and international events."
"As a student, I learn valuable lessons from building and operating models."
"I am active in our local club."
- 3. Indicate your financial involvement:**
"I own _____ pieces of radio equipment that would be unusable if this frequency assignment is adopted."
"My hobby shop business involves _____% radio control sales."
- 4. Strongly stress the safety and liability aspect created by the proposal!**
"The models I build weigh as much as _____pounds and operate at _____m.p.h."
"Our club operates at a public park."
"Since the proposed new frequencies are so close, interference will occur and render most model frequencies unusable."

Some other points to consider.

- 1. The best approach** is a personal letter, written by you, to the government official(s) involved.
- 2. The second level** of effectiveness is a signed form letter.
- 3. The least effective** communication is a petition simply signed by individuals. (This approach is not recommended)
- 4. Many persons derive enjoyment** from our hobby/sport, not only those who actually build and operate models. Ask them to write as well, to indicate their concern!
- 5. The most important fact** to remember is to act now! The February 26th date is soon upon us! Write NOW!
- 6. Contact the Technical Department** at AMA Headquarters for additional information - (703) 435-0750, ext. 264.



Draft Letter to Senator or Representative Regarding FCC Rule Making

-Date-

The Honorable [-Name-]

[-Address-]

[-Address-]

Dear Mr./Mrs. [-Name-] (if to Representative): Dear Senator [Name-](if to Senator):

[Begin with a description of the writer's interest. For example, "I am retired and derive many hours of enjoyment from constructing and operating radio controlled model airplanes." Or, "I have been interested in aviation for as long as I can remember. I'm very active in a local club whose member enjoy constructing and operating radio controlled model airplanes."

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is PR Docket 92-235. If adopted, the new rules will greatly reduce the usability of frequencies currently assigned for model use and increase the risk of accidents and attendant liability for controlling model airplanes.

Our radio control frequencies are in the 72 - 76 MHz band. This band is primarily used for private land mobile dispatch operations. However, our radio control frequencies in this band are far enough apart from the land mobile frequencies that we have been able to share the band without either use interfering with the other.

Now the FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths and rearranging the band plan. As a result, many land mobile frequencies will move closer to the radio control frequencies and cause interference to radio control operations. I am told that of the 50 frequencies that are presently available for radio control of model airplanes, only 19 frequencies will be left if these new rules are adopted.

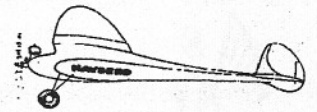
When we fly our model airplanes under radio control, we go to great lengths to assure the safety of the operators and bystanders and the protection of property. Many of our safety precautions involve the careful coordination and use of the radio control frequencies. If the number of usable frequencies is diminished as proposed by the FCC, the remaining frequencies will become congested and the **margin of safety** will be greatly decreased.

Please understand that many model airplanes have wing spans up to 10 feet and weigh as much as 30 or 40 pounds. The models themselves are expensive to build; but more to the point, they are capable of causing property damage, serious injury, or even death if radio interference causes the operator to lose control of the craft. We often fly our models at organized events and contests where hundreds of operators participate. We need the use of our full complement of radio frequencies in order to assure a safe flying environment.

I do not think it is wise of the FCC to seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers. The FCC may not think we are as important as business users of radios, but we have a considerable investment in our models and in our radio equipment. The hobby inspires an early interest in aeronautics. Children of all ages, whether 16 or 60, are motivated to learn more about flight through the sight and control of models in the air. **It is a hobby that has 165,000 insured members** through the Academy of Model Aeronautics, shared by all ages -- young and old. It is important to encourage this interest -- for our country's goals in education, technology and exploring space.

Please help me continue the safe enjoyment of my pastime by not allowing the FCC to carry out its proposals for the 72-76 MHz band.

Sincerely,
Address



1993 CONTEST SCHEDULE

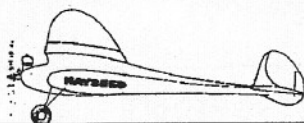
FEB 6 OR 7	SAM NEW ZEALAND INTERNATIONAL 1/2A TEXACO POSTAL CONTEST	
FEB 7	STOCKTON WINTER BASH	WAEGELL FIELD
MAR 21	NCFFC # 1	WAEGELL FIELD
MAR 27-28	SAM 26 SPRING ANNUAL CONTEST	CONDOR FIELD-TAFT
MAY 15-16	SAM 30 SPRING ANNUAL CONTEST	SCHMIDT'S RANCH
MAY 23	NCFFC # 2	WAEGELL FIELD
JUNE 5-6	SAM 21 HOWARD OSEGUEDA REMEMBRANCE ANNUAL	SACRTS-FREMONT
JUNE 13	NCFFC # 3	WAEGELL FIELD
JUNE 19-20	SAM 34 ANNUAL CONTEST	CARSON CITY, NEVADA
JULY 10-11	SAM 26 COASTAL COOLER FUN FLY	LOMPOC AREA
JULY 11	STOCKTON SUMMER BASH	WAEGELL FIELD
AUG 14 OR 15	INTERNATIONAL 1/2 A TEXACO POSTAL CONTEST	YOUR FIELD
SEPT 11-12	SAM 51 ANNUAL CONTEST	WOODLAND-DAVIS
SEPT 25-26	SAM 27 CRASH & BASH CONTEST	SCHMIDT'S RANCH
OCT 11-15	SAM CHAMPS	CONDOR FIELD-TAFT
OCT 30-31	SAM 26 JOHN POND COMMEMORATIVE (TENTATIVE)	CONDOR FIELD-TAFT
OCT 31	NCFFC # 4	WAEGELL FIELD
DEC 5	NCFFC # 5	WAEGELL FIELD

NOTE ABOUT WAEGELL FIELD EVENTS: OLD TIMER R/C ASSIST AT WAEGELL FIELD WILL CONSIST OF 1/2A TEXACO, TEXACO, A LER, B/C LER COMBINED, ELECTRIC 05 LMR, OLD TIME GLIDER, ALL OHLSSON IGNITION, ANTIQUE, R/C NOSTALGIA (LOOP SCAVENGED MOTORS) AND BROWN JR. ENDURANCE.

Next issue -- No Dues, No Antique Flyer!



AMChapter #108



OFFICERS

President:

Brian Ramsey (415) 474-5175
2001 Van Ness, Suite 409A
San Francisco, CA 94109

Vice President:

Rocco Ferrario (707) 258-1705
2063 Lone Oak Ave.
Napa, CA 94558

Treasurer:

John Carlson (707) 996-8820
353 Las Casitas Ct.
Sonoma, CA 95476

Contest Director & Editor:

Don Bekins (415) 435-1535
85 Bellevue Ave.
Belvedere, CA 94920

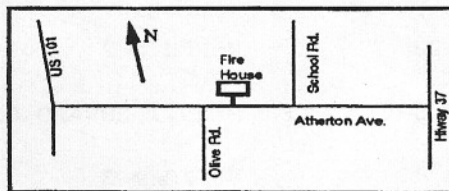
Membership is \$15 for the calendar year. After February, the dues for a new member will be prorated.

Due to increasing cost of publication and mailing, the Associate Member category has been dropped.

Send dues to John Carlson, Treasurer. Make checks payable to SAM 27.

MEETINGS

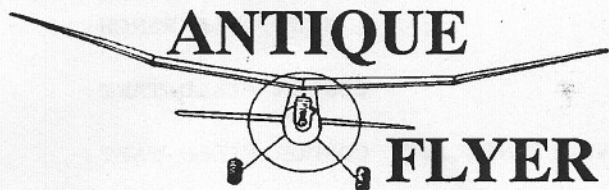
Membership meetings are held on the third Wednesday of each month at the Novato Fire Department, Training Room, on Atherton Ave. at 7:30 P.M.



PLEASE ADVISE EDITOR OF ANY CHANGE OF ADDRESS

Next meeting: Wednesday, February 17th, at the Novato Fire Department Training Room

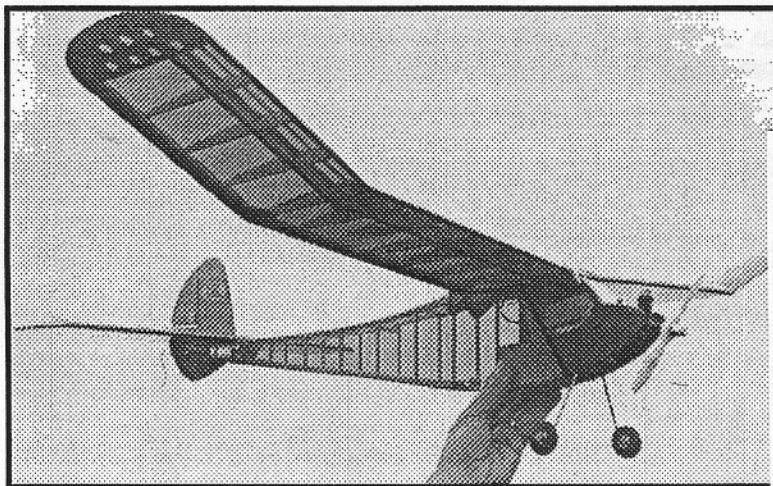
85 Bellevue Ave., Belvedere, CA 94920



FEBRUARY 1993



FIRST CLASS MAIL



The Tatone "Atomizer" by eastern member Bob Aberle. treasurer, John Carlson, and young member, Eric Heikell, have also built this fine flying model.

Fred Carlson
4995 Moorpark Ave.
San Jose, CA 95129