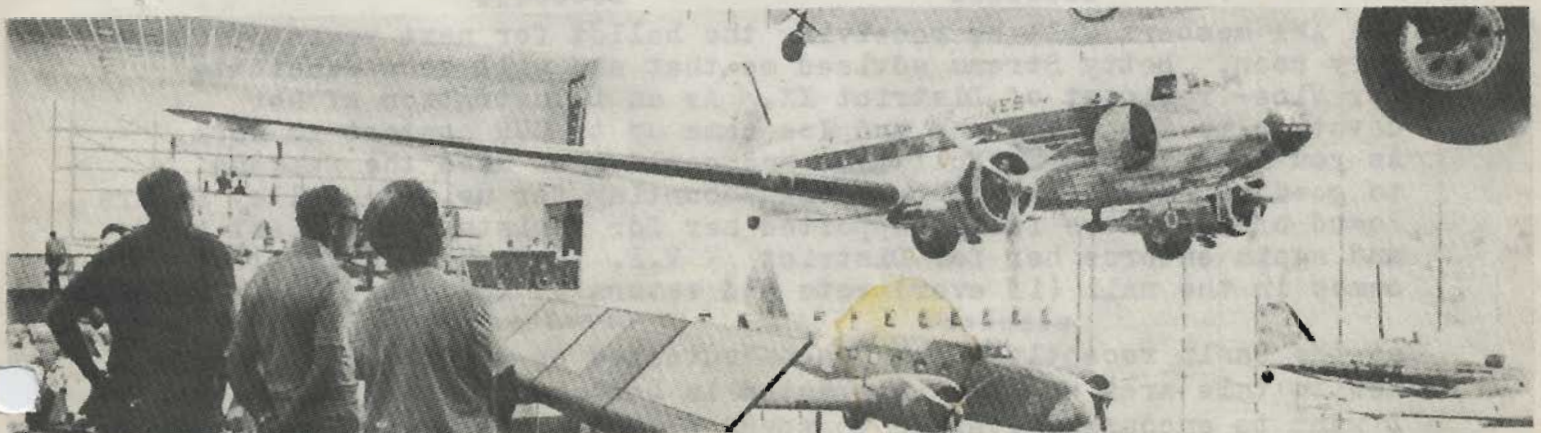


THE VALLEY FLYER



Photo by Mike Stecker

CRAIG FOXGORD joined the club on meeting night and then proceeded to nose Len Katz out of the Model of the Month Award with his clipped wing "racing" version of the new M&H BD-5&1/2 kit. The kit, soon to be available at your local hobby dealer, has a balsa fuselage and foam wings. Craig's has an RS radio, Solarfilm wing covering, Perfect paint brushed over surfacing resin on the fuselage, trim Monocote, and RC Craft wheels. Craig said that with the standard wing, it is a nice sport model which can be soared in moderate lift.



PRESIDENT: BOB OWENS

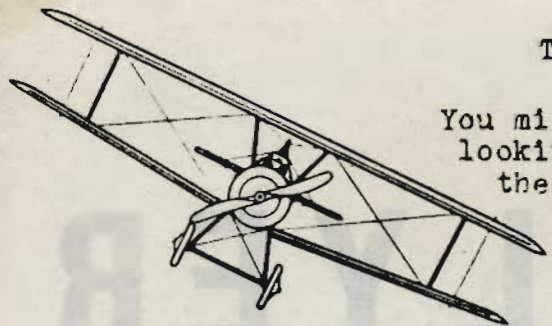
VICE PRES: GARY McPIKE

SECRETARY: JOHN ELGIN

ASS.T SECRETARY: GEORGE FINCH

TREASURER: TOM SWIFT

ASS'T. TREAS: SCOTT JOHNSON



You might get the idea from this first bit that I am looking forward to the end of my term in office as the president of the Valley Flyers. You will not be too far from the truth either. Yes, it has taken lots of my time that otherwise may have been spent building models. The models may gone to where ever deceased models go, and I would have only memories. But as the president of this club I have made lots of friends and have helped to drag the club along for another year. After all, it's only people that are important in this world. This is by way of telling you that there is a form of pay for the work that is done in behalf of the club.

Each year nominations are received for 3 new directors to the Board to work with the 3 that remain in office for their second and final term. The membership votes on the directors, who in turn, decide which duties each will take-on. I like the system and hope it continues. However, I would like to see ALL past president become full board member to retain the knowledge gained by them. Nominations for directors will be opened in the October meeting and held open during the November meeting, at which time elections will be held. Please talk-it-up among yourselves----let's get many good people on the ballot.

While presenting the 3rd Place Masters trophy to Jim Oddino at the August Open Pattern contest he remarked "Thanks for another dust collector". My rebuttal was to remind him that this one came complete with dust for it had been displayed at the field all day. Considering Jim's comment and a similar one heard at the last Form I contest, I wonder why we spend \$1000.00 each year on trophies. At the NATS the Form I trophies were relatively inexpensive plaques. (Lots of complaints, too). At the Olympics medals are awarded. Several long-time flyers have indicated to me that they would consider giving away their old trophies----let's call it RE-CYCLE----to be re-awarded at a model contest. At first it sounded silly, who would pay to fly? Well, if it were a trophy that had once been owned by Prather, Nagy, or even Ron Schorr, maybe some would pay. The club would be out only for the engraving on a new plate giving credit to the donor. Think about a while and it makes more sense. The real reward is in the receiving, then after the ego shrinks back to normal, pass it along to make someone even happier than you.

All AMA members will be receiving the ballot for next years officers very soon. Betty Stream advised me that she will be a candidate for Vice-President of District XX. As an illustration of her devotion to the hobby she and Joe came up to OUR contest to work. As you know she works full time and could have used the weekend to good advantage rather than bean-counting for us. The Valley Flyers Board of Directors fully supported her for Assistant V.P. last year and again endorse her for District XX V.P. So, when that ballot comes in the mail (if ever) vote and return it immediately.

At the Basin recently I have been contacted by several R/C flyers new to this area who are interested in becoming members of this club. I want to encourage everyone to spend a little time with new-comers ever chance you get. Explain the field procedures, ask questions about their experience level, their planes, show a little interest in them. Remember what I said in the first paragraph, it's the people that really count. (Step down from soapbox now)

FINCH'S FLAK

JIM ODDINO, the noted expert, columnist and Valley Flyer will provide the entertainment for our September meeting to be held Tues. the 14th at the Encino Women's Club. We will also have an SR-71 movie. Like always, there will be a Model of the Month contest, new products, and the raffle. For those of you that missed the last meeting, Cliff Weirick donated a Cox/Sanwa 2 channel radio, and Craig Foxgord donated a BD-5 1/2 kit which was added to an already fat raffle containing a K&B .40 pumper, a Fox .40 Schurnle, and a Midwest Strikemaster kit. Once the radio was added, you should have seen the tickets go.

It is the time of the year to look for new officers to replace Bob, Tom and Scott on the Board. As you should know, the club elects members to the Officer's Board at the November meeting. Thereafter arms are twisted and the actual positions are chosen. They are announced at the Christmas party.

While I am on the subject, the CHRISTMAS PARTY will be held at the Sky Trails Restaurant, Friday night, the 10th of December. Len Katz, who has so far done all of the leg work, will have tickets, hopefully by the September meeting for \$7.50 each. Dinner will include an 8oz steak with suitable trimmings. Bob Wilde has agreed to acquire the men's half of the door prizes.

We have agreed to co-sponsor the QMRC 1/4 Midget Championships with the QMRC group. It will be held at the Basin over Thanksgiving. Also, we would like to see a big turnout for our Western States Championships for 1/2 A. Start building now so you are ready. Some flyers have built 1/2 A racers in two days, but not enjoyably. Of late, there have been fewer and fewer Valley Flyers competing in our contests. Once you have learned right from left and towards from away, there is nothing that makes the hobby quite as satisfying as to enter competition. I never realized how poor a flyer I was until I went to low throttle instead of high starting a top hat in a flying wing contest. The judges, my caller and I were laughing so hard at my tail slide beany, we lost the next two manuevers. Try it while we still have experts that can help you

Bob Upton, an "ole Valley Flyer" and myself happened to attend the same meeting in Washington D.C. so when we had a chance, we both headed for the new National Air and Space Museum. If you get a chance to go wear comfortable shoes and figure on about 6 hours or 8 hours if you walk slowly and you want to see it all. The photo on the front page shows just one of the display areas.

I am sorry for the small printing in the newsletter. We lost our printing contact and costs have gone out of sight!

- | | | | |
|----------|--|----------|--|
| 9/11-12 | Form I - BIRD/SGVRCL - Sepulveda Basin | 11/14 | 1/2A - Ventura Comets |
| 9/12 | BIPES - CMM | 11/14 | Form 500 - SGVRCL - Whittier |
| 9/12 | 1/2A - Lodi | 11/14 | Quickie 500 - CMM - Mather |
| 9/12 | Form I - EB RC (tentative) | 11/14 | Turkey Shoot - DV RC - Pittsburgh |
| 9/18-19 | Pattern - San Diego Drones-Chula Vista + Sport Scale | 11/20 | Turkey Shoot - Pioneers - Santa Clara PAL |
| 9/18-19 | Pattern & BIPES - SACRC | 11/20-21 | Tournament of Champions (Pattern Invitational) - Las Vegas |
| 9/19 | Great Race - Sac. Red Barons | 11/21 | 1/2A - Pioneers - Santa Clara PAL |
| 9/19 | 1/2A - Pioneers - Santa Clara PAL | 11/21 | Slope- SBSS |
| 9/25-26 | Pattern - SGVRCL - Whittier | 11/26-28 | Winter Nats - Tuscon (11/26-28) |
| 9/25-26 | WWI Scale - Pioneers - Morgan Hill | | |
| 9/26 | SBSS - Slope Race - Big Creek | | |
| 9/26 | Sailplanes - CMM | | |
| | | | * Thanksgiving Weekend QMRC Champs.-QMRC&Valley Flyers-Sepul.Basin |
| | | 12/5 | 1/2A,muffler,anything else goes-Mile Sq. |
| 10/2-3 | Pattern - BARKS | 12/5 | Form 500 - Tailspinners - Whittier |
| 10/3 | NRSS - Sailplanes | 12/19 | Form 500 - Pomona MAC - Cucamonga |
| 10/3 | * Midget - Chula Vista | 12/19 | 1/2A - CMM - Mather |
| 10/9-10 | Form I - Pioneers - Santa Clara PAL | | |
| 10/10 | Speed Trials - Valley Flyers - Sepulveda | | |
| 10/10 | Sport Scale & BIPES - EB RC | | |
| 10/16-17 | Pattern - Las Vegas Open | | |
| 10/16-17 | 1/2A Championships - Valley Flyers - Sepulveda | | |
| 10/17 | Fun Scale - Sac. Red Barons | | |
| 10/23-24 | Pattern - Wavemasters - Coyote | | |
| 10/24 | Sailplanes - SBSS | | |
| 10/24 | 1/2A - CMM | | |
| 10/24 | Form 500 - SGVRCL - Whittier | | |
| 10/30-31 | NLRMA Championships -Bakersfield | | |

Greg Finch

History ***** History ***** History *****History

Two aviation historical events from the distant past relate to the use of radios and models.

On Sept. 16,1916 the Army demonstrated plane-to-plane radio communication between two planes flying TWO miles apart over North Island, Calif.

On Sept. 15,1924 an unpanned Navy N-9 seaplane made a 40 minute flight demonstrating the use of radio to control aircraft.

Answer to Waldo Pepper problem: The steerman finishes the maneuvers in inverted level flight going from right to left.

VALLEY FLYERS 76 OPEN

PATTERN CONTEST AUGUST 21 - 22

Twenty six flyers entered the Valley Flyers open pattern contest to fly in four classes. This was an AMA sanctioned meet and the points awarded will be credited toward the Masters.

The Masters class flyers were the judges for the Novice, Advanced, and Expert classes. It may have been extra work on the part of the Masters flyers, however one of them made the comment that he saw things from a different point of view that will help his flying. Another advantage is that the Masters flyers gave advise and pointers to the flyers they were judging. That will encourage them and help become better pattern flyers.

All types of models were flown, including a biplane flown by Ron Russell for third place Advanced, and a Quickie 500 flown to third place Novice by Laird Owens.

I would like to thank all those that helped including the USPJA judges who judged the Masters class event. And thanks especially to those who paid to fly and still donated time to judge the lower classes. The final standings were:

MASTERS

1. Jim Kimbro
2. Bill Salkowski
3. Jim Oddino
4. Steve Helms
5. Joe Bridi
6. Bob Smith
7. Otto Dieffenbach III
8. Whit Stockwell

EXPERT

1. Charles Larkey
2. Frank Prattini
3. Don Thomey
4. Howard Danforth
5. Bill Simpson
6. Dick Russ
7. John Garabidian

ADVANCED

1. Ralph De Palma
2. Joe Hildreth
3. Ron Russell
4. W. White

NOVICE

1. Marty Whittenberg
2. Robert Davalos
3. Laird Owens
4. Bill Grove
5. Paul Imrisek
6. Jay Replogle
7. Ron Schorr
8. George Small

Contest Director:
Richard Sonheim

FLASH Results of the POP WHITE Memorial Formula I contest Aug. 28-29
It was a blistering hot week-end but 28 Expert and 16 Std. flyers signed up to do battle with the Pylon Gods. It appears that there are a couple recent up-grades to be reconned with, Shadel and Owens. I am happy to report that Bob Williams, who collapsed on the field and was hauled away in an ambulance, is up and about and feeling fine. The smog, heat, his son's crash brought on a mild heart attack. Results:
Expert: 1-Hotelling, 2-Atzel, 3-Van Baren, 4-Shadel, 5-Stockwell, 6-Lee, 7-Prather P/T 1:15.5, 8-Owens.
Standard: 1-Hover, 2-Zdankiewicz, 3-Kime, 4-Farish, 5-Sato, 6-Stream P/T 1:26.5, 7-Baker, 8-Ledson.

Whittier Narrows Flying Field is officially closed for reconstruction. Next Formula I race will be at Sepulveda Basin Sept 11-12 replacing the previously scheduled race the 18-19.

Bob O.

EAST BAY RADIO CONTROLLERS

THOUGHT PROBLEM

The use of cyanoacrylate adhesives in model building recently has really taken off. I had an interest in just how these adhesives (Zap, Hot Stuff, etc.) work, and dug up the following information from a book on polymers:

9.84 CYANOACRYLATE AND ANAEROBIC ADHESIVES

Two special acrylic-based adhesives are as follows:

(A) CYANOACRYLATE ADHESIVES (e.g. Super Glue)

These are highly polymeric liquids, based on alkyl 2-cyanoacrylates (e.g. $\text{CH}_2=\text{C}(\text{CN})\text{COOCH}_2\text{R}$) together with a plasticizer, thickener and stabiliser (polymerisation inhibitor). They polymerise and rapidly set solid at room temperature simply on pressing into a thin film between metals, glass, ceramics, rubbers, or certain plastics having a mildly basic reaction or carrying a film of adsorbed water. The bonds are strong, particularly to polar substances and after ageing (at room temperature or up to 80°C); the polymerisation mechanism is probably ionic, and the monomer needs to be kept away from moisture, but when stabilised (e.g. with SO₂) it can be stored in an inert container, e.g. of polyethylene. Polymerisation is retarded by acids but accelerated by alkalis (hence by glass surfaces, as being both polar and alkaline). The polymerised material resists many common solvents, including oils, but dissolves in dimethylformamide and is slowly attacked by dil. acids, alkalis, hot water or steam. Bonds are serviceable at least down to -17°C, and up to 80°C or above, but strength is permanently impaired by heating above 100-120°C, the softening point of the polymer is 165°C. The refractive index is 1.46. At 1 MHz the dielectric constant is 3.34 and the power factor is 0.02.

(B) ANAEROBIC ADHESIVES (Loctite)

Acrylic esters of aliphatic diols, e.g. tetramethylene glycol dimethacrylate ($\text{CH}_2=\text{C}(\text{CH}_3)\text{COO}(\text{CH}_2)_4\text{O}(\text{COCH}_3)_2(\text{C}=\text{CH}_2)$), have the property, when in contact with air, of remaining freely fluid in the presence of a free radical catalyst and accelerator, but of polymerising at room temperature when penetrating between closely-fitting surfaces of metal, glass, ceramics, and certain polymers. Since the monomer is doubly unsaturated, the product is cross-linked, and the particular features of the reaction enable it to be used for locking thread grooves, the resulting bond being stronger than can be obtained with locknuts.

A couple of important points are brought out in this summary; the polymerization is catalyzed by alkali, hence to speed setting, particularly on pitchy wood (spruce) or old balsa, a very light dusting with baking soda will help out. Also, dimethylformamide is a solvent for the polymerized material, so can be used to "unstick" mistakes and the proverbial stuck fingers.

Dimethylformamide is also a very useful solvent for cleaning engines. I've used it to remove congealed castor oil from engines which had not been touched since last run some 15 years ago, and it does a respectable job on the baked-on oil on heads. DMF is available from chemical supply houses such as Bryan Laboratories in Berkeley. A word of warning however; DMF is not particularly toxic, but it is adsorbed through the skin and prolonged contact with the skin should be avoided. It also has a slightly unpleasant odor (like fish).

At the last Bipe contest, Waldo Pepper entered the "box" to begin his two-minute free-style portion with his Stearman flying straight and level from right to left in front of the judges. He then performed the following maneuvers in a continuous sequence: 1/2 roll, 1/4 outside loop, 1/4 roll to left, 1/4 inside, 1-1/2 snap rolls, 3/4 inside, 1/4 roll to left, 3/4 outside, 1/4 inside, 1/2 roll, then 1/4 inside and announced "maneuver complete". What was the final attitude and flight direction of the Stearman? Experts should be able to work this without waving their hands. Answer is in an obscure corner.

PAINT VISCOSITY by Dave Pastor

With every type of paint and spray gun, there is a viscosity that is the best compromise for good atomization. If the paint is too thick, excessive air pressure will be required to break up the paint particles. This usually results in a colored fog floating around the garage wasting paint and changing the color of your wife's washing machine. In addition, the paint may go on thicker than planned and you could end up with sags or orange peel and craters. These last items are caused by the uneven release of solvents. If, on the other hand, the paint is too thin, runs can develop, or you will find that many coats are required to cover the model.

How do you determine what the best viscosity is for a particular type of paint? The only answer is trial and error. However, once this viscosity is found, repeatability is the key word for good finishes. In industry, a viscosimeter is used to get consistent results. Your local paint store usually carries a cheap variety of viscosimeter, but they may be too big considering the amount of paint that we usually mix at one time. You can make your own for almost nothing. The calibration does not matter as long as you use the same reading the next time you mix your paint.

To make your own, start with an aluminum cigar tube. Cut it about 2 inches from the bottom, and drill or punch a small (about 1/16") hole in the bottom. Next, immerse it vertically (hole at the bottom) in a bowl of water. Raise it up rapidly and record the time it takes to empty through the hole. Time should be stopped when the first break in the flow from the hole is seen. Your objective is 10-12 seconds. Enlarge the hole as necessary to accomplish this. Attach a small wire handle and it is finished. Now, the next time you are painting, thin a little, record the time it takes the paint to flow out of the "cup", and try to spray it. Thin only as much as necessary to get a good pattern with reasonable air pressure, then record this viscosity (in seconds). What's the best viscosity? Each individual has his own preferences and each type of equipment sprays differently. You may find that 20 seconds is what you prefer for Hobbyproxy. Just remember, the next time you use Hobbyproxy, thin it to 20 seconds and it will spray just like the last time. You may also find that you will be using less of that expensive thinner.

WE RECENTLY HEARD ABOUT THE NEW R/Cer WHO SPENT THE DAY LOOKING FOR MR AMPERE AFTER HE HAD BEEN TOLD AMPERE WAS IN CHARGE OF CURRENT EVENTS AT THE SEPULVEDA BASIN.



1976 MEMBERSHIP LIST OF VALLEY FLYERS

Robert Adams	27361 Sierra Highway, 202 Canyon Country	41354 (405) 292-0976							
Tom Atkins	245 S. Reno St #33	L.A.	90057	359-2019					
BARRY ALTMAN	1219 Barry Ave	West L.A.	90035	526-2141					
Joe Bauer	2758 Jolor Ave	L.A.	90066	EMJ-3077					
Don Baker	9212 Columbus Ave	Sepulveda	91343	786-5171					
Thomas V. Eathor	7546 Malibu	Van Nuys	91405	344-0000					
Marc Barontfeld	4159 Kanda Dr.	L.A.	91027	492-0000					
Franklin Barker	17250 Glase St.	Northridge	91336	792-0000					
Sheldon N. Hironblum	8235 Owensmouth	Canoga Park	91364	248-9000					
Warren Bonchius	3357 Cabrillo Ave	L.A.	91086	492-0000					
Robert Boucher	13377 North ave.	Van Nuys	91401	792-0000					
Stelli de Fourbon	7546 Malibu	Van Nuys	91405	344-0000					
Jack Brock	2472 Woodhewen Pl.	Van Nuys	91405	344-0000					
Joe Bridd	23625 Woodforest Ln	Hartford City	90710	359-2019					
Ken Brookes	354 S. Camden Dr.	Reverly Hills	90212	526-2141					
Ray F. Broussard	16646 Lacey St.	Granada Hills	91344	EMJ-3077					
Frank Caplan	7407 Kenmore Ave.	Van Nuys	91406	786-5171					
Gary Chaddock	17951 Hollywood	Reseda	91325	344-0000					
Ron Glen	13001 Rose Ave.	L.A.	91066	298-0000					
Tom Cone	17430 Trossa St.	Granada Hills	91344	526-2141					
Naurice Coplan	17757 Truanto Dr.	Pacific Palisades	91411	484-4151					
Angus D. Crossbie	15010 Cedar St.	Van Nuys	91411	710-2054					
Jack A. Davidson	10121 Langmuir Ave	Sunland	91406	352-2024					
James G. Davidson	10121 Langmuir Ave.	Shirland	91406	352-2024					
Doug Dean	8850 Whitsett Ave.	K. Hollywood	91007	760-0000					
Gene H. Darnello	4258 Beeman Ave	Studio City	91604	526-2141					
Peter DeWitt	318 North Hill	Pacific Palisades	91027	482-1464					
Tony DiLeo	532 K. Craft	L.A.	90035	526-2141					
Mike Domolos	5151 Veloz	Tarzana	91356	342-5177					
Nathaniel S. Dorth Jr.	2952 LaSalle Ave.	L.A.	90011	478-6712					
John S. Elgin	20812 Yose St.	Canoga Park	91366	882-0000					
Stephen Elgin	20812 Yose St.	Canoga Park	91366	882-0000					
Colby Ewell	1636 Ocean Park Blvd.	Santa Monica	90405	396-0000					
Robert E. Eymann	11920 Woodbine St.	L.A.	90066	451-6275					
Gary Farish	--	--	--	--					
Arthur L. Feliz	16425 Lemarsh St.	Sepulveda	91343	526-2141					
George W. Finch	18127 Kakecrest	Malibu	90265	459-1577					
Barton R. Firestone	1234 Silvernada	Pacific Palisades	90272	458-0000					
Crade Foxford	2623 Honolulu Ave	Northridge	91020	248-2071					
Dale S. Garner	6718 Shadygrove	Tujunga	91042	351-3311					
Kotler Gideon	1006 N. Orange Grove Ave. #7	L.A.	90046	656-0000					
Jack Glauser	5656 Gentry	N. Hollywood	91607	461-0853					
Stan Gordon	1514 Etnuba St.	Sepulveda	91345	823-0402					
Hill Grove	7162 Estepa Dr.	Tujunga	91042	352-0801					
Fred Gurevitch	2549 E. Alden St.	Simi Valley	93665 (805)	522-4200					
Bob Halvorson	7519 Vich Ave.	Van Nuys	91406	342-5171					
Richard D. Hautzenroeder	6551 Dosoto Ave #15	Canoga Park	91303	827-0000					
Dan Hemingway	3823 Anderson St.	La Crescenta	91214	248-0941					
Ed Hotelling	3180 Goldenspur Dr.	Canarillo	92010 (805)	482-7547					
H. C. Hoyer	9932 Jovita Ave.	Chatsworth	91311	349-6929					
Karl Iroyer	17819 Victory Blvd.	Reseda	91335	345-0000					
Mitchell Huffine	13161 Peedley	Northridge	91361	792-0000					
Jim Hundley	11301 Montgomery Ave.	Northridge	91361	792-0000					
Al Hunter	2414 S. Harifleton	302 L.A.	90035	477-9783					
W. Vincent Igo	1333 Brocton #3	West L.A.	90035	478-2721					
Wood H. Inketer	3730 Hoglewood Blvd	L.A.	90066	397-3751					
Harold J. Inuit	5036 Coldwater Canyon	Sheppan Oaks	91423	980-5976					
William L. Jacobson	19015 Brynmore Rd.	Northridge	91324	300-6985					
Francis J. Jeka	4340 Bel Air	La Canada	91011	792-7990					
Scott Johnson	5350 Jessen Dr.	Granada Hills	91344	563-0638					
Stephen D. Kalik	10630 Hayvenhurst Ave.	Northridge	91384	349-6209					
Lowell Katz	19146 Lidgett St.	Canoga Park	91311	348-5774					
Robert T. Kline	7337 Independence	Northridge	91324	886-9371					
Richard J. Klotz	650 Kestor Ave. #115	Sherman Oaks	91403	980-5420					
Phillip L. Koscelny	16645 Patterson	Tarzana	91356	345-3927					
George Lacour Jr.	306 39th St.	Chatsworth	91311	341-8957					
Clarence Lee	7215 Footbill Blvd.	Tujunga	91042	352-3766					
Jack Lee	7215 Footbill Blvd.	Tujunga	91042	352-3766					
Robert J. Lindsay	1600 Villa Grove	Pacific Palisades	90272	VEB-5721					
Harshall D. Lloyd	2332 Hagley Ave #2	L.A.	90034	349-9590					
Anthony R. MacLare	19640 Claude St.	Northridge	91324	782-1530					
Sam Mann	16920 Granada St	Van Nuys	91411	789-2531					
Gary W. Matheson	14626 Verdella Pl #2	Sherman Oaks	91403	789-2531					
demals McDowell	14564 Albers St	N. Hollywood	91601	787-5220					
Gary McPhie	13915 Califa St	Van Nuys	91401	787-5220					
Jeanette McPhie	13915 Califa St	Van Nuys	91401	474-0745					
Tom Mead	1950 Polham Ave.	L.A.	90025	886-0965					
Frank R. Miller	17221 Granada St.	Northridge	91325	886-0965					
Abe Moskoff	4911 Haskell Ave.	Encino	91436	986-6204					
William McPherson	9031 Moore Pl.	Van Nuys	91352	768-3226					
J. McDunn	23700 Ressemer	Woodland Hills	91364	346-9717					
Tom Ohtsuka	1814 Bundy Dr. #2	L.A.	90025	820-1553					
Laird Owens	6469 May St.	Tujunga	91042	352-6691					
R.C. (Bob) Owens Jr.	6469 May St.	Tujunga	91042	352-6691					
E. Reed Inghart	2912 E. Macmillan	Burbank Ca.	91505	842-7139					
John L. Pahlow	13214 Ingres Ave	Granada Hills	91344	363-4419					
Bob Palmer	9161 Norwood Ave	Arleta	91331	767-6754					
Neil Peltsoff	4404 Willis St	Panorama City	91402	892-2420					
Paul W. Pennington	43 Coronado Way	Mission Hills	91345	365-3077					
George W. Pflom	17221 Hollerns St.	Encino	91316	987-8172					
Ottie Plesner	44609 Burbank Blvd.	Van Nuys	97123	981-3333					
Mike Powell	14729 Hutton St.	Sherman Oaks	91403	981-3333					
Ray Powell	15019 Rimmehala St.	Mission Hills	91345	365-3077					
Nate Rando	1158 Maywood Ave.	Mission Hills	92010 (805)	482-2702					
Robert Rathoff	18345 Ventura Blvd.	Tarzana	91366	344-5347					
Clayton C. Reed	8920 Orion St	Sepulveda	91343	894-5445					
Howard R. Reed	18719 Covello St.	Reseda	91335	343-6001					
Stephen R. Reed	13650 Tolk St.	Sylmar	91342	367-6003					
Jay R. Replogle	13939 Hutton St.	Panorama City	91402	787-5591					
Howard R. Rice	2812 W. Chandler Blvd.	Burbank	91505	845-6204					
Andy Rohaly	16321 Glendale	Sepulveda	91343	894-1320					
Ralph D. Rosen	1532 S. Bentley Ave.	L.A.	90025	478-5900					
M. Rosenthal	1090 Marllyn Dr.	Northridge	90210	826-5523					
Jay William Ross	19184 Lidgett St	Northridge	91324	886-4737					
Robb Rue	5860 Palcom Ave.	Reseda	91335	343-8771					
Greg Rubin	P.O. Box 1409	Santa Monica	90406	304-4866					
Greg Rubin	10036 Sunnyside Ave	Chatsworth	91311	341-6660					
Panorama City		Panorama City	91022	768-4250					
Panorama City		Panorama City	91022	768-4250					
Granada Hills		Granada Hills	91344	365-2210					
West L.A.		West L.A.	90064	477-9783					
West L.A.		West L.A.	90035	478-2721					
L.A.		L.A.	90066	397-3751					
Sheppan Oaks		Sheppan Oaks	91423	980-5976					
Northridge		Northridge	91324	300-6985					
La Canada		La Canada	91011	792-7990					
Granada Hills		Granada Hills	91344	563-0638					
Northridge		Northridge	91384	349-6209					
Canoga Park		Canoga Park	91311	348-5774					
Northridge		Northridge	91324	886-9371					
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Tujunga		Tujunga	91042	352-3766					
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L.A.		L.A.	90034	349-9590					
Northridge		Northridge	91324	782-1530					
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L.A.		L.A.	90025	886-0965					
Northridge		Northridge	91325	886-0965					
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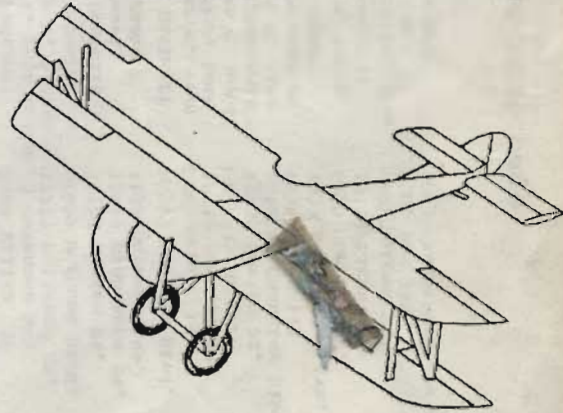
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