

PL-1 MUTUAL AID NEWSLETTER NO. 6

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Hello Fellows:

It is about time to start the old ink pen rolling again with letter No. 6. We have received a few letters and have gathered up other information that might be of interest to some of you builders.

Due to several requests, we have had for back issues of the Newsletter, we are going to recap the first five briefly. We were caught without any back copies of most letters and felt that it would only be fair to the newer members to do this. We now have about seventy-five (75) members and still growing.

We will list new material first and then give you the recap: So here we go.....

First of all, let me say we have received the price list and pictures of the landing gear from Dr. Elizando - His address where information is distributed is: Carlos Suarez Lezama - Aeronautica Especializado-Calzados Arboles Grandes 478 Aeropuerto Central, Mexico 9, D.F., Mexico. I list this in case you want to correspond directly with Carlos. I only reviewed about a dozen copies of price list, but we have more on the way, one for each member. Please let me know if you need one before we receive additional copies. We don't have any way of reproducing pictures, but it appears to us as a work of art. Workmanship looks excellent. Also they have other parts ready, but we don't have any prices on them yet. Lists are complete and each item is listed separately. Very complete. Correspondence by Air Mail will be much quicker.

In addition to requests for our Mexican friends address, we have had requests for Mr. Merrill Roth's address. It is Mr. Merrill Roth - Roth Manufacturing Corp. - 811 Northwest 23rd Avenue, Portland 10, Oregon. We understand that there are several PL-1's being built in that area centered around Portland. Maybe these folks might help us if they know we are interested. How about it Merrill!

We received a nice letter from Mr. Don Maddock and he has several items for trade. Extra items he has are fuel tank senders (12 each) and 2 fuel gauges. He also has a landing gear (factory made-mystery make) that has been approved by Mr. Pazmany as suitable for PL-1 use.

Mr. Maddock's needs are Wing Ribs, fuselage frames, and other items, heat treated and ready to use. He also needs engine mount for Lycoming, Prop. for 150 Lyc, 500-5 wheels and brakes for main wheels, plus nose gear wheel.

Don's address is: Mr. Don Maddock - 935 Verbina Drive - P. O. Box 871, Eagle Mountain, California - 92241. Let Don hear from you if you need any of his material or have anything he needs.

Another nice letter came from Mr. Dick Poston this month. Dick is in the homebuilder supply business and has been very cooperative with us PL-1 builders. Dick has just about anything in the hardware line that you will need. He'll be glad to send you a list with prices upon request.

One hard to get item he has in stock is the bronze bushing stock for the landing gear. Material (bronze) for one set of landing gear will be about \$22.00 including postage.

Flex cables for parking brake (new print) are available from Dick for about \$14.00.

Dick also says he will work up a trade with you on most any item for use on other homebuilts that you might have. Just let him know what you have and the condition and he just might be able to help you. He has about everything except sheet metal.

Dick was kind enough to draw us a diagram on how to straighten landing gear tubes after welding, but I can't reproduce these diagrams, but I will try to describe them.

Jig consists of three (3) blocks, machined to fit outside contour of tube. Lay tube inside two and use the third on top for press ram. He says this does not have to be perfectly straight, within .010 should be good enough. Wood blocks will do.

Mr. Poston (Dick) also has a conference with Mr. Pazmany for approval of a single chrome plate idea for tubes on landing gear. This process consists of spinning tubes in lathe to smooth the outside. Use a large stone or emory cloth tacked on board. Be careful not to get too much. After this polish it to a mirror finish and have it flash chromed. He got Mr. Paz. approval on this.

If you use lathe, you will have to make center blocks for center of tubes for spinning.

We really appreciate your efforts to help us, Dick. We thank you very much for your help. Keep up the suggestions.

One more item Dick has is a modified Culver landing gear for use on PL-1. Price on this gear complete and ready to install is \$500 bucks. How about that?

I just received a card from Dick saying the 1" X 1" X .049" angles will have to be sent post-age collect, because of a loss by Dick. I believe if you just add \$3.50 to the order, they will get to you o.k.

Our best source for tubing (4130) is Machine Craft - Box 308 - Troy, Ohio. They will send you a price list on request. They can also supply 4130 plate and other supplies.

Robert W. Bradley has extra .063 sheet in the S.O. and T-3 form.

Servair-Aircraft Engine Overhaul and Supply, P.O. Box 1434, New Smyrna Beach, Florida, 32069. They specialize in the conversion of the 029D and 0235 overhaul.

We have not come up with a satisfactory supply for raw material kits. It is not much trouble to get full size sheets from larger companies, but the partial sheets is what we are having trouble with. So, let us know, fellows, if you have any of the thicker partial sheets or know of any place to get this material.

For the benefit of most of our newer builders the spar cap are being split as per diagram in bill of material and being filed and scraped and sanded down to the mark. This is a tedious process and you should take your time. Don't get in a rush. Be sure to use a wide 3/8" or 1/2", skip tooth blade, and set to saw slow enough to control it. This is a job that all the builders with the experience say should be done by a machine shop. The splice bars and T. bars are not push-overs either. If anyone can get us an estimate on these, please do so.

Mr. J. A. Thimsen - Route #5, Box 176T, Richmond 31, Virginia is willing to do machine work on PL-1 parts, preferably landing gear, but possibly spar caps and other material too.

There is a company in California that is putting out canopies and windshields for the PL-1 just like the original. Contact Mr. Norman A. Brodersen-1031 W. Alondra Blv'd.-Compton 3, California. His phone is 637-8216.

Mr. Pazmany says he is buying his aluminum sheet from Industrial Metal Supply Co.-3303 N. San Fernando Road, Burbank, California. This Company gives the best prices in Southern California.

Mr. L. B. Hamlyn-P.O. Box 109-Reseda, California was going to make fuel tanks and other fiberglass parts, if there is enough demand. So let him know your needs. Whitney Metal Tool Co.-Rockford, Illinois - 61101 has a complete line of sheet metal tools. Some of these are very useful to the homebuilder. One is the #5 junior hand punch. For other tools order Catalog #1966B.

Mr. Paul H. Knepper - Spring Creek Road - Macungie, R.D. 1, Pa. has some sheet metal tools, clecos, rivets sets. Write him for price lists.

Mr. Pazmany sent us a sketch on a sheet metal brake, but I don't have anyway of reproducing them. Sound and looks fairly simple though.

Mr. Pazmany also advises us this month, to make sure to pay close attention to Civil Air. Regulations Part 1, pertaining to homebuilders. This is some good information. Thanks, Mr. Paz.

Tools recommended by Mr. Pazmany are almost a must, so be prepared to get access to them. U.S.A.T.C.O. - 146 Meacham Avenue - Elmont, L.I., N.Y. is another good source for certain air tools and rivet tools. Make sure you order the right tool because it took me about six (6) months to get satisfaction on a returned tool.

There is a fine article on canopy blowing in the January 1967 issue of Sport Aviation. Article is on page 8. Sounds real simple. Maybe you would like to try it.

Well, fellas', that is just about it for #6. I sure hope that I have been some help to someone. Please don't hesitate to ask for information you think that I might be able to furnish.

Sincerely,

J. D. Waller,
605 Howard Drive
Brunswick, Georgia 31520

P.S.: Is anyone experimenting with T-3 for ribs and other parts and does anyone have a set of dies made up for recesses or do we have any simple ideas on how to make dies for rib, recessed holes?

BULLETIN:

Just received a letter from Mr. George M. Hawks - 1096 Alberdan Circle, Pinole, California, 94564, stating an order will be placed for Grant canopy slides for PL-1 about the end of June. Quantity order will be cheaper price. Send \$20.00 to George at the above and state method to ship. Excess change will be refunded. Thanks, George for your thoughtfulness. Please keep up the good work and lots of luck. Payments to the above address.

CALZADA ARBOLES GRANDES 478
 AEROPUERTO CENTRAL
 MEXICO 9, D. F. MEXICO.



TEL. 22-14-04

January 1967.

PARTS FOR PAZMANY PL-1
 LANDING GEAR

WREN 460

		PART NUMBER	QUANTITY DELIVERED	DESCRIPTION	PRICE WITH MATERIAL
		7	3	TUBE	\$ 30.50 Dls.
INTERNATIONAL CORP		9	2	PLATE	5.75
		11	2	PLATE	6.50
		13	2	GUSSET	4.50
		15	3	TOP PLUG	45.00
		17	3	TUBE	9.00
KING KING RADIO CORP		19	3	PISTON SLEEVE	6.00
		21	3	PISTON	10.50
		23	3	TUBE	7.00
		25	3	BUSHING HOUSING	24.00
		27	3	UPPER BUSHING	6.50
		29	3	LOWER BUSHING	19.50
		31	2	GUSSET	5.50
		33	3	TUBE	2.00
		35	3	TUBE	26.00
AVIONES.		35-37-57	3	TUBE 100 % finished	request
INSTRUMENTOS		37	3	PLATE	3.50
PARTES Y ACCESORIOS		39	2	ADAPTER	57.00
		41	3	STOP BLOCK	14.00
		43	2	AXLE	15.00
SERVICIO MELION		43-45	2	AXLE 100 % finished	request
GASAVION-ACRITE		45	2	PLATE	9.50
		47	2	SPACER	1.50
		49	4	COLLAR	10.50
		51	6	TUBE (CHROME PLATED)	9.00
		49	4	COLLAR (CADMIUM PLATE)	request
		53	3	LOWER SCISOR (ALUMINUM)	75.00
		53-A	3	LOWER SCISOR (4130)	53.00
		55	2	UPPER SCISOR (ALUMINUM)	51.00
		55-A	2	UPPER SCISOR (4130)	30.00
		57	3	RETAINER	5.50
		71	1	UPPER SCISOR (ALUMINUM)	20.00
		71-A	1	UPPER SCISOR (4130)	16.00
		73	1	TUBE	1.50
		75	1	STEERING STOP	1.50
		77	2	PLUG	1.50
		79	1	TUBE	1.50
		81	1	ARM	2.50
		83	1	TUBE	1.00
		85	1	ARM	2.50
		87	3	WASHER	2.00
		89	2	BUSHING SUPPORT	1.50

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AERONAUTICA ESPECIALIZADA

CALZADA ARBOLES GRANDES 478

AEROPUERTO CENTRAL




MEXICO 9, D. F. MEXICO.



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WREN 460		PART NUMBER	QUANTITY DELIVERED	DESCRIPTION	PRICE WITH MATERIAL
INTERNATIONAL CORP		91	1	FILLER	\$ 1.00 Dls.
		93	1	BUSHING HOUSING	3.50
		95	1	BUSHING	8.00
		97	1	PISTON	1.00
		99	1	CYLINDER	2.00
KING KING RADIO CORP		101	1	PLUG	6.50
		103	1	BRACKET	1.00
		107	1	ADAPTER	14.00
		105	1	TUBE	1.50
		109	1	FORK (HEAT TREATED)	24.00
CLEAR		111	1	AXLE (CHROME PLATED)	7.00
		113	2	CUP	10.00
		115	1	WASHER	1.00
		117	1	SPACER	1.00

We use in all this parts the materials and machining tolerances requested in the drawings 2-60-001,002,003.

AVIONES.
INSTRUMENTOS
PARTES Y ACCESORIOS
SERVICIO MELIOR
GASAVION-ACEITE

We offer the complete landing gear system, nose and main ones, fully assembled, painted (less wheels brakes and tires) for \$ 800.00 - Dls. F.O.B. for one set, if more than one is ordered the price go down, depending on the number ordered.

CONDITIONS:

50 % in advance with the order and the rest when the parts are ready to be sended to the buyer.

Time of delivery varies greatly, for parts, from a few days (depend ing of the part or parts) to four weeks, ask for more details.

For the landing gear completed and assembled 10 to 12 weeks.

All parts are F.O.B.

AERONAUTICA ESPECIALIZADA, S. A.

Dr. Alejandro Elizondo, Pres.