

JUDGED
OUTSTANDING

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SANTA BARBARA

warp and weft

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warp and weft

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Vol. XVII, No. 8

October, 1964

A Word from the Editor

State fair time has come and gone, and this month's sample won a 2nd place ribbon at the state fair, in the drapery class.

This year again, we set up a loom with the same weave that we are featuring in this sample; a canvas weave. We took the loom to the fair, and each day members of the various weavers guilds throughout the state of Oregon wove on the loom and demonstrated weaving to the public.

Your editor spent one day doing this and enjoyed it himself.

The rest of this month was busy too, with 1001 other activities. School started for Janice; we had a two weeks visit with my parents who came from Pennsylvania on their vacation.

September also meant the resumption of our weaving guild meetings in Portland, and one guild meeting has been held, and another meeting was held in which further plans were made for the Pacific Northwest Weaving Conference to be held in Portland in May of next year.

During this month, we finished about 20 yards of weaving here in the shop. It doesn't sound like much, but it does assure us of at least two further samples for Warp and Weft.

This month saw various new threads coming into the shop for us to feature and try and use and also sell. One of these was a heavy, 3 ply, cord type silk with a nice sheen, which is quite a beautiful silk thread. Others were novelty loop mohairs in colors, and 3 variegated rayon boucles, and we sent one lot of 150 lbs. of

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silks to the dyers to be dyed in 5 different colors for us.

You can see that with these activities, and the every day activities of running a shop that time has been filled with activities for all of us.

Russell E. Groff, Editor

This Month's Cover

The cover this month is a wall hanging woven by Lucy Loback of the Southern California Handweavers Guild. This was on display at the weaving conference in Santa Barbara in 1962. The technique is Dukagang, which is one of the Swedish inlay techniques. This is actually one of the many Swedish finger or pick-up techniques. The definition of Dukagang is interesting as it defines exactly what you see in this picture. Dukagang is a series of vertical stripes done with a weaving sword or pick-up stick on a tabby background.

This piece by Mrs. Loback is actually part of a decorative wall panel, and perhaps might have been made to put in a frame or a screen. It is too bad that you cannot see the top horse, as all three of the horses were in different positions of trotting, galloping, or running.

I might also mention that the leclerc loom has an attachment available which makes this type of weaving very, very easy. It is a sort of fifth harness arrangement which can be applied to any of their looms, and this fifth harness is used exclusively for any pick-up pattern that you might wish of this type. This fifth harness was developed I believe by Mr. Stan Zielinski, and it is available from the Leclerc Loom Company or any of their agents throughout the United States or Canada.

This Month's Book Review

Back in print for the first time in several years is the book "YOUR HANDSPINNING," by Elsie G. Davenport.

This book is intended to provide a comprehensive introduction to the subject of spinning for all those who are interested in this craft. It teaches both the use of the spinning

wheel and the hand spindle. It is excellent for those who find it difficult or impossible to obtain personal instruction.

An excellent description of the fleece, and the different qualities of wool from one fleece, and other such information is included in the first portion of the book.

The next chapters have many fully illustrated instructions for wool sorting, woolen and worsted spinning, a detailed explanation of the construction and mechanism of the spinning wheel. There are notes on the use, care, and maintenance of the wheel, and advise on the purchase of an old or new wheel.

Information on the growth and preparation of flax and detailed instructions for the spinning of linen yarns is covered in the next chapter. Other fibers are discussed, such as cotton; silk, angora rabbit, camel, and dog-combings. There is another chapter on plying and the making of fancy yarns.

There are many line-drawings and sketches in the book, which are all very well done and are self-explanatory. It has 130 pages of practical instruction and is well worth while. Also, the price of \$3.00 plus postage is not too unreasonable.

TITLE: YOUR HANDSPINNING
AUTHOR: Elsie G. Davenport
COST: \$3.00 plus 10c postage
AVAILABLE: Robin & Russ Handweavers

Our second project this month is an area rug in a honeycomb weave.

This will make an interesting rug, as your alternate blocks of honeycomb can be made so that they are different colors. You need for weft, three different colors of yarn, and one of these three should be two or three times heavier than the other two threads. Here are our suggestions for the warp and weft threads, along with the threading, tieup, and treadling.

WARP:

Use an 8/5 natural linen rug warp.

WEFT:

Use a heavy rug wool in a dark brown as your heavy thread. For the two finer threads, use a thread in beige wool, and one in a tan rug wool. These should be about 1/3 the size of the heavier wool.

REED USED:

Use either a 5 dent reed, and double sley it, or a 10 dent reed with one end per dent.

TREADLING SEQUENCE:

A UNIT

- No. 1 — with medium weight wool-beige
- No. 2 — with medium weight wool-beige
- No. 1 — with medium weight wool-beige
- No. 2 — with medium weight wool-beige
- No. 1 — with medium weight wool-beige
- No. 2 — with medium weight wool-beige
- No. 5 — with heavy weight wool-dark brown
- No. 6 — with heavy weight wool-dark brown

B UNIT

- No. 3 — with medium weight wool-tan
- No. 4 — with medium weight wool-tan
- No. 3 — with medium weight wool-tan
- No. 4 — with medium weight wool-tan
- No. 3 — with medium weight wool-tan
- No. 4 — with medium weight wool-tan
- No. 5 — with heavy weight wool-dark brown
- No. 6 — with heavy weight wool-dark brown

End of one unit. Start weaving rug with the No. 5 and No. 6 tabby with the heavy dark brown rug wool, and then do the A and then the B units. At the end of the rug, end by repeating the A unit to balance.

You want to be sure to use a heavy, firm double beat on this type of rug. The heavier you beat it and the tighter it is, the firmer your rug will be when finished.

Here is the threading plan for a rug which is 34" wide on the loom. When finished and off the loom, it should be about 32" to 33" wide and either 45" or 46" long, plus hem.

THREADING PLAN:

1. Selvage — 1,2,3,4,1,2,3,4 — 08 threads
2. Pattern A through E — 3 times 276 threads

(continued on page 6)

Buff and Pink

Another variation of the "Canvas-Weave" that we featured in last month's issue. It is excellent for drapery and for place-mats or table linens.

THREADING DRAFT:

4			P	P
3			P	P
2	E		E	
1	E	E		

KEY TO COLORS IN THE WARP:

E — 20/2 Creamed Eggshell Ramie

P — 20/2 Blush Pink Ramie

WARP:

Two colors of the mercerized ramie were used in the warp. This is available on 4 oz. spools, and on one pound cones.

P — Pink, 20/2 Mercerized Ramie

E — Creamed Eggshell 20/2 Mercerized Ramie.

WEFT:

There are three threads used in the weft. Two of them are the same two mercerized Ramie threads as used in the warp: i.e. Creamed Eggshell and Blush Pink 20/2 Mercerized Ramie.

The third thread used is the natural rayon boucle with silver twist.

REED USED:

A 12 dent reed was used and it was double sleyed, 2 ends per dent.

THREADS PER INCH:

In the warp, we have a total of 24 threads per inch.

TREADLING SEQUENCE:

1. Treadle No. 1 — Eggshell Ramie
2. Treadle No. 6 — Eggshell Ramie
3. Treadle No. 5 — Eggshell Ramie
4. Treadle No. 6 — Eggshell Ramie
5. Treadle No. 1 — Eggshell Ramie
6. Treadle No. 3 — Boucle with silver
7. Treadle No. 4 — Boucle with silver
8. Treadle No. 3 — Boucle with silver

(continued next column)

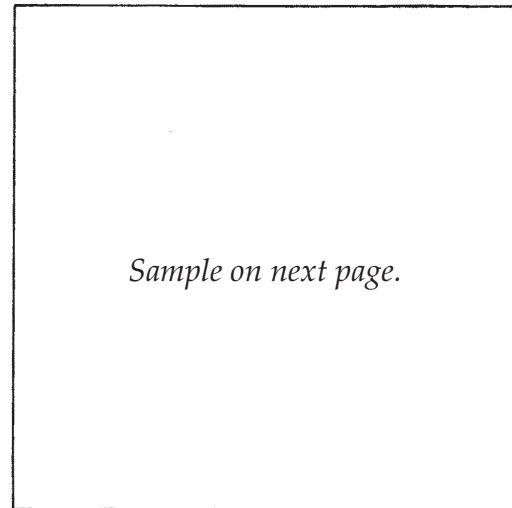
TIE-UP DRAFT:

4	X	X	O	O	X	O	
3	X	O	O	X	O	X	
2	O	O	X	X	X	O	
1	O	X	X	O	O	X	
		1	2	3	4	5	6
					A	B	

X—tie-up for Counter-balanced looms.

O—tie-up for Jack-type looms.

Sample:



Sample on next page.

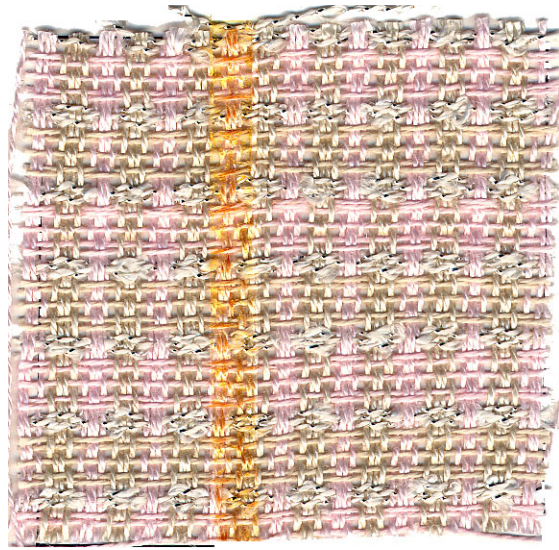
9. Treadle No. 1 — Blush Pink Ramie
10. Treadle No. 6 — Blush Pink Ramie
11. Treadle No. 5 — Blush Pink Ramie
12. Treadle No. 6 — Blush Pink Ramie
13. Treadle No. 1 — Blush Pink Ramie
14. Treadle No. 3 — Boucle with silver
15. Treadle No. 4 — Boucle with silver
16. Treadle No. 3 — Boucle with silver

END OF ONE REPEAT. Repeat over and over as desired.

MORE ABOUT THIS FABRIC:

If you will read thoroughly the September, 1964 issue of Warp and Weft, we explain thoroughly about this canvas weave threading draft that we have used.

Now, about the actual weaving of this fabric, we found that we had a very easy fabric to weave. We do suggest once again, as on so



many other fabrics that you use a light double beat on this weave. We found that if you give a beat when you have your shed open, change your shed to the next treadle, and then give a second light beat that you have a quite uniform fabric, and that there is no fuzzing of the warp, and no problem of warp threads clinging together.

Another suggestion that will save you much time and effort is the suggestion that you will find it easier to weave this fabric if you do not fill your bobbins full of either the ramie or the rayon boucle with silver twist. This would also apply to linen if you weave this fabric in linens instead of ramie. Fill your bobbins about 1/2 full level from end to end, and then wind some more in the center of the bobbin only, staying away from the ends of the bobbin. This will keep this crisp thread from coming off the bobbin and wrapping around the pirn or wire in the shuttle that holds the bobbin.

I should also tell you that when we set-up the loom for the 40" wide material for use as Warp and Weft samples, that we also wound an extra 6 yards of warp on the center of the beam, so that we already have 6 yards of warp already threaded and drawn in for place-mats, after your wider piece of drapery has been woven.

Plan For A Place Mat:

Selvage - 3,4,1,2 - 4 threads
 Pattern - 41 times - 328 threads
 To balance 3,4,4,3 - 4 threads
 Selvage - 2,1,4,3 - 4 threads
 TOTAL WARP ENDS - 340 threads

This will make your place-mat set-up a width of 14-1/6" in the reed. It will weave down to about 13-1/4" width in the place-mats.

Also, we made some interesting place-mats, where we wove a 3" hem on each end of plain weave in pink, and then the center of the mat was the pattern. I might mention that we made these with a plain hem on each end in sets of 2 each. Two of them had natural hems,

and two of them had pink hems, making them much more interesting than if all were the same on one table setting. We suggest that you weave a 21" length for the place-mats, and then after they are hemmed, they are about 13" x 19" in size.

COST OF THREADS USED IN SAMPLE:

The 20/2 mercerized Ramie comes in 8 colors, and is available on 1 lb. cones or on 4 oz. spools. It is \$5.00 per lb., or \$1.25 per 4 oz. spool.

The rayon boucle with silver has 1900 yards per lb., and is available on 1/2 lb. spools. It is \$2.80 per lb., or \$1.40 per 1/2 lb. spool.

COST OF THE FABRIC:

For a 10 yard warp, 40" wide, it took 3 and 1/5 lbs. of thread for the warp. At \$5.00 per lb., this cost comes to \$16.00 for a 10 yard warp or \$1.60 per yard.

In the weft it took 12 oz. of the Natural Mercerized Ramie, 12 oz. of the Blush Pink Mercerized Ramie, and 1 lb. 6 oz. of the Natural Rayon Boucle with silver twist. We had 9 yards of finished fabric from the 10 yard warp. The cost of the weft threads was \$11.35 in all or \$1.26 per yard for weft.

WARP COST PER YARD - \$1.60

WEFT COST PER YARD - \$1.26

FABRIC COST PER YARD - \$2.86

Some Suggestions for the Same Pattern out of Different Warp and Weft Threads.

If you wanted to weave the same pattern out of linens, you would use exactly the same size threads as we used in the Ramie.

If you wanted to do this out of cotton, I would suggest either a 10/2 or a 10/3 cotton for your warp or weft. The 10/2 cotton would probably appear the more lacy, but the 10/3 cotton would probably be more durable because a 3 ply is usually a much tighter twist and thus a more desirable thread than a 10/2 in many cases.

- 3. A through C, to balance – 46 threads
 - 4. Selvage – 1,2,3,4,1,2,3,4 – 08 threads
- Total Number of Warp Ends – 338 threads.

One more hint or suggestion that should be of help. You should allow about ½ yard more warp than what the length of your rug will be. There is quite a bit of take-up because of the heavy dark brown rug wool you use.

Some other suggestions that might be of interest are:

1. You could make this out of cotton using the rug filler for the heavy cotton, and something like Lily's article 814 or 1014 four strand filler or rug weave yarn.
2. I myself, prefer wool yarn, as it is warmer, does not pick up dirt as readily as cotton, and should wear longer than cotton.
3. Another thing about the treading is that I have 6 threads of the fine or medium weight wool as weft in each block along with the heavy dark brown rug wool. However, you might like it better if you distort these blocks or squares, and make them, 8, 10 or 12 threads instead of 6 as I gave in the treading.
4. You could even weave this type of rug with rags if you wished, using evenly colored and cut rags in two weights.

THREADING DRAFT:

	E one time only	D repeat 3 times	C one time only	B repeat 3 times	A Selv.
4	x x x x x	x x x x x		x	x
3	x x x x x	x x x x x		x	x
2		x	x x x x x	x x x x x	x
1		x	x x x x x	x x x x x	x

TIE-UP DRAFT:

4				x		x
3			x		x	
2		x				x
1	x				x	
	1	2	3	4	A 5	B 6

SOME MORE SUGGESTIONS:

One thing that I would definitely like to suggest is that you do not use cotton carpet warp in this type of rug. In this, and in rag

rugs, almost invariably, you find that the first thing to wear out is the cotton carpet warp. Not the wool weft thread or rags of any materials, but the carpet warp is the thread that gives up the ghost first. Thus, I would like to suggest the 8/5 linen rug warp for this purpose, and if that is not available, then use a 9/3 linen rug warp or something similar.

The 8/5 natural linen rug warp comes on ½ lb. spools of approximately 240 yards per spool at \$1.80 per spool. Thus, two spools, should be more than sufficient for a 2¼ yard warp if you want to weave a single rug, 45" long.

You can also use the 9/3 linen rug warp, but if you do I would suggest that you rearrange your pattern, and use the 9/3 linen at 12 threads per inch, or two per dent in a 6 dent reed. The 9/3 natural rug linen comes on spools of 425 yards each, and is priced at \$1.60 per spool.

One more thing is that I feel that a rug is much more satisfactory if you use a hem, rather than a fringe. The fringe will wear and pull apart in two or three washings, whereas the hem should last as long as the rest of the rug.

Still another problem that confronts the weaver is the carrying of the heavy weft thread

on the edge. If you make your treading units longer, than that means if you carry the heavy thread on the outside edge of the thread, that you will have a longer loop. Thus, you yourself must decide if you will cut this off after two rows of the heavy plain weave, or if you will carry it over to the next block or unit.

As these are intended for area rugs, you might consider that you can often use a great contrast of colors in such a project, or you can use almost blending colors. It will almost entirely depend upon the place that you want to use it as to the colors you use.

CLASSIFIED ADVERTISING

Why not advertise your old loom, duplicate equipment, and other such items in this section. Price per 5-line ad is \$4.00. Payment to accompany your advertising copy.

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BLACK RAYON BOUCLE WITH SILVER TWIST

This is a nice quality yarn, with about 1400 yards per lb. It is available on 4 oz. spools at 75c each, or on tubes of about 1 lb. 2 oz. each, at \$2.80 per lb. This same yarn is also available in natural with silver at the same price. This is what we call a spiral twist, and has lots of metallic, and then the metallic spreads out, and then finally clusters together again. A nice novelty at \$2.80 per lb. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

FINE LOOP MOHAIR:

A nice quality, fine loop mohair is available in 5 colors. This yarn has 2350 yards per lb. It is 88 per cent mohair, 12 per cent nylon, and comes on approximately 1 lb. cones. Free samples upon request. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

GLOSSY, 3 PLY HEAVY SMOOTH SILK.

We have just obtained 100 lbs. of a new beautiful, glossy, spun silk which has 1400 yards per lb. It can be used for weaving or knitting. Price is reasonable for this nice quality silk at \$4.80 per lb. It is available on ½ lb. tubes, with 700 yards on each ½ lb. tube. Postage is extra. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

VEGETABLE DYEING

by Emma Conley is back in stock. This excellent little manual on natural dyeing is excellent for the use of flowers, vegetables, leaves, and woods in dyeing yarns. Complete instructions in this little booklet. \$1.25 plus 10c postage. Robin & Russ, 533 N. Adams St., McMinnville, Oregon.

DECORATIVE WALL HANGINGS:

This is another inspiring handcraft book that shows many different ways of making wall hangings, with the use of numerous different materials. Price is \$8.50 plus 20c postage. A good source of stimulation for the handweaver. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

8 CUT RAYON CHEVILLE IN CERISE, BOTTLE GREEN, AND ANTIQUE GOLD.

It is available on ½ lb. spools at \$1.75 per ½ lb. About 4 other colors are available at the same price and are reasonable in price at \$1.75 per ½ lb. spool. Robin & Russ, 533 North Adams Street, McMinnville, Oregon.

SPLASH RAYON BOUCLE:

We have three nice color combinations in this splash rayon boucle. It is black & aqua, black and white, or black & yellow. This is a thick and thin yarn with 1900 yards per lb., and is \$2.40 per lb. Robin & Russ, 533 No. Adams St., McMinnville, Oregon.

BOBBIN LACE MAKING:

This is an excellent manual for the beginner in bobbin lace work. Complete and thorough instructions, this manual is \$5.00 plus 20c postage. Robin & Russ, 533 North Adams Street, McMinnville, Oregon.

WOOL POMPADOUR

This yarn is about 85 per cent wool and 15 per cent rayon, and is very attractive in the baby colors. It has 2240 yards per lb., and is \$5.40 per lb. It is available in approximately 2 oz. skeins at 69c per 2 oz. skein or in lots of 1 lb. or more, it is \$5.40 per lb. Available in baby white, baby yellow, baby pink, baby green, and baby blue. Robin & Russ, 533 N. Adams Street, McMinnville, Oregon.

OAK, BIRCH, WALNUT, AND MAPLE SLATS

These nice quality slats have about 165 to 175 per bundle, and are priced at \$1.25 per bundle. Postage is about 20c per bundle. Slats are 14½" long, and are about ¼" wide. Nicely made and cut. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

FRAME-N-ALL BAG PATTERNS.

This is a complete set of metal, spring top, bag frame which snaps closed, and also, included in each package are the instructions and pattern for making up the bag for this handle. \$1.50 per set, plus 20c postage. Robin & Russ, 533 N. Adams, McMinnville, Oregon.

CHARCOAL SILK TWEED WITH PINK & WHITE FLECKS.

We have a special on this while it lasts at \$2.40 per lb. Or, if you wish us to double this for you, it is then \$2.90 per lb. Postage is extra. Has 11,000 yards per lb., or 5,500 yards per lb. when doubled. One lb. is enough weft, when doubled, for 4½ to 5 yards of 36" material. Robin & Russ, 533 N. Adams St., McMinnville, Oregon.

NAVAJO WEAVING TODAY:

An interesting little booklet with an explanation of the Navajo weaving in different parts of the country, and an explanation of where certain types are made, and explanations of the patterns used. Quite outstanding and interesting and priced reasonably at \$1.25. Robin & Russ, 533 N. Adams St., McMinnville,

CITRON CHARTREUSE WITH BLACK FLECKS.

This silk is a heavy, 2 ply, chartreuse silk, with black flecks. It is also the same size as the turquoise with black. Can be used for either warp or weft. Has 1200 yards per lb., and comes on approximate one pound cones. Free samples of these two upon request. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

The Weaver's Marketplace

warp and weft

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