

Studio

KNITTING MACHINE

"The Most Wanted Automatic Home Knitter"

NEWSLETTER

MAY/JUNE, 1986

VOLUME 187



FROM THE DESK OF DAVE BRATZ

"Sensationalism in the news", this seems to be the requirement for any type of news media to catch the public's attention. Is this also a requirement for the machine knitting population?

When I think back a few years of the tremendous progress and improvements that have been made in the home knitting machine field, it would seem that the next "News Flash" is up to you, the knitter. I sometimes wonder if we haven't already advanced the machine to a stage where we scare off the ne knitter with complicated machine knitting jargon. I agree that machine technology can make our thoughts and ideas come to life easier, but the main ingredient is still the individual's own ideas in styling, colors, pattern stitches, etc. Having recently viewed a number of style shows at seminars, my hat is off to all the knitters who so proudly display their talents. This is what makes the home machine knitting business a "Sensational" news item worthy of front page headlines.

So you see, you already have all the ingredients you need to make your notch in the knitting field and all you need to do is keep those brain cells active.

Happy knitting!!!!!!!!!!!!!!

Our Studio dealer in Bybee, TN, sent us the following announcement:

KNITTING MACHINE WORKSHOPS: Vacation in The Heart of the Smoky Mountains of East Tenn. All accommodations custom made to fit your needs. Contact Stephanie Widman, Stephanie's Studio & Yarn, Rt. 1, Box 14B, Bybee, TN 37713.

Linda Etherington, Hillsboro, OR, has developed this interesting theory on charting.

ETHERINGTON RATIO-nale

"Stitch ratios" and "row ratios" can be helpful tools for making conversions from one gauge to another gauge. They make many steps in charting unnecessary.

How to determine and use these ratios:

- Make a tension swatch to determine your stitch gauge and row gauge.
- Divide existing pattern stitch gauge by your stitch gauge. This will give you a "stitch ratio".
- Divide pattern row gauge by your row gauge for a "row ratio".
- To use these ratios in your charting, multiply the number of stitches given in the pattern by the "stitch ratio".
- Multiply the number of rows given by the "row ratio".

Example:

(Original pattern)

Gauge: 5 stitches = 1 inch
8 rows = 1 inch

Knit
90 rows
Cast on 80 stitches

- Find your row and stitch gauges. Ex.: 7 stitches = 1 inch
10 rows = 1 inch

- Perform operations "b" and "c".

$$\frac{7 \text{ stitches (your gauge)}}{5 \text{ stitches (original gauge)}} = 1.4 \text{ stitch ratio } 5 \overline{) 7}^{1.4}$$

$$\frac{10 \text{ rows (your gauge)}}{8 \text{ rows (original gauge)}} = 1.25 \text{ row ratio } 8 \overline{) 10}^{1.25}$$

- To determine how many sts. to cast-on, do step "d". - 80 sts. (from original pattern) x 1.4 stitch ratio = 112 stitches to cast on.
- To determine how many rows to knit to the armhole, do step "e".
90 rows (original pattern) X 1.25 row ratio = 113 rows to knit.

This month's pattern, shown on the cover, is for a Girl's Vest and Wrap Skirt, 6-8 yers, and is reproduced from "Knits for Joy" with permission of Silver Knitting Institute, Tokyo, copyright holder 1978.



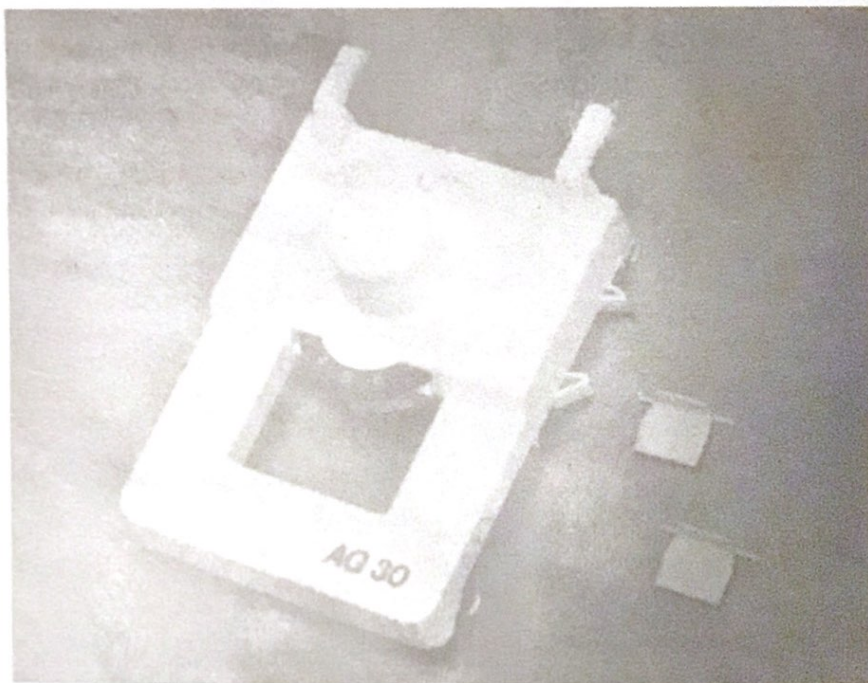
Designed for
the SK-155
Chunky
Knitter.

SYMBOLS/ABBREVIATIONS

| | |
|------------|--|
| SD① | — SD stands for Stitch Dial and the figure in circle indicates Stitch Dial number. |
| pos. | — position |
| st. (sts.) | — stitch or stitches |
| Nd. (Nds.) | — needle or needles |
| Col. | — colour |
| CM | — Card Memory Number of Punch Card. |

INTARSIA CARRIAGE AG30 - \$43.95

Specially designed for use with Chunky MOD.155 machine. This Chunky Intarsia Carriage knits as many colours in one row as you like, allowing you to produce pictorial or geometric designs on your knitting without any float on the back.



Vest and Wrap Skirt for 6—8 years old girl

Finished measurements size: cm.

| | A | B |
|--------------|----|----|
| Chest | 72 | 78 |
| Top Length | 35 | 38 |
| Waist | 52 | 58 |
| Hip | 68 | 76 |
| Skirt Length | 36 | 44 |

Materials/others:

Very thick yarn

Col. A (red) 400 — 450gs.

Col. B (green) 150 — 200gs.

Col. C (yellow) 150 — 200gs.

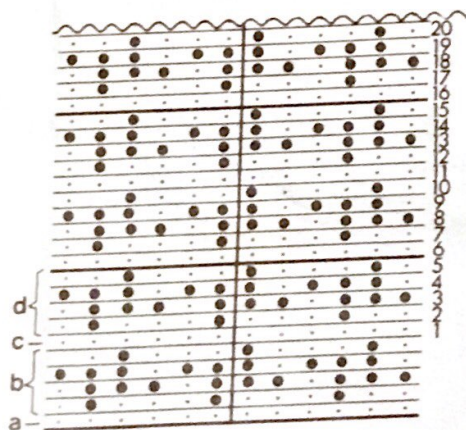
Waste yarn reasonable amount

Elastic band 1.5cm. wide,
50—60cm. long

6 buttons 1.5cm. in diameter

Hook and eye

Punch Card Punch as shown
below



- a. Col. A in F①, knit 1 row
b. Col. A in F①, knit 4 rows
Col. B in F②
c. Col. A in F①, knit 1 row
d. Col. A in F①, knit 4 rows
Col. C in F②
repeat from a to d.

Tension Gauge:

18 sts. by 21 rows over a swatch of Fair Isle with Stitch Dial at ⑤.

17 sts. by 21 rows over a swatch of Stockinet with Stitch Dial at ⑤.

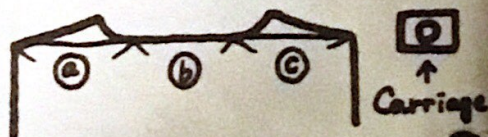
VEST

Knit back, fronts, borders, neckband and armbands, following the patterns given on pages 7, 8, 9, and instructions below.

To knit

Back

- (1) — Set Punch Card and lock at CM.
— Set Pattern Paper for back and lock at the starting line.
— SD③, cast on the required number of sts. and knit several rows with waste yarn.
- (2) — Col. A into F①, release Pattern Paper and knit up to folding line in Stockinet.
— SD④, knit up to joining line.
— Pick up the sts. from the first row of main knitting and place them onto the corresponding Nds.
- (3) — Release Card and set the Carriage as follows:
Cam Lever.....Fair Isle
Side Levers.....▼
— Remove the waste knitting and knit 1 row with SD⑥.
— SD⑤, Col. B in F②, knit up under armhole, exchanging colour of yarn in F②, following the diagram for Punch Card on page 1.
- (4) — Knit up to back neckline, decreasing sts. to shape armhole on both sides.
- (5) From back neckline knit right and left separately, and start with Carriage side.
— Mark the CM number on Card.
— Set both Russel Levers to 1 and push Nds. in section (a) and (b) to D pos.



- Following the contour line, shape back neckline by decreasing sts. and shoulder by partial knitting.
- Remove the section on waste knitting.

- (6) — Return Pattern Paper to back neckline and lock it.
 - Return Punch Card to the marked CM number and lock it.
 - Remove section (b) on waste knitting.
- (7) — Push Nds. in section (a) back to B pos.
 - Release Pattern Paper and Punch Card.
 - Shape neckline and shoulder in the same manner as done for section (c) but reverse shapings.

Fronts

Knit fronts in the same manner as for back but for shaping front neckline by decreasing sts. at the edge.

Knit right front and left front alike but reverse shapings.

Armbands

- Block out each piece to size and press with a steam iron.
 - Join both shoulders on the machine.
- (1) — Bring out the required number of Nds. to B pos.
 - Pick up the sts. from back and front armhole evenly and place them onto the Nds. in B pos.
 - SD④, Col.A into F①, knit up to folding line in Stockinet.
 - (2) — SD③, knit the required number of rows and remove the fabric on waste knitting.

Neckband

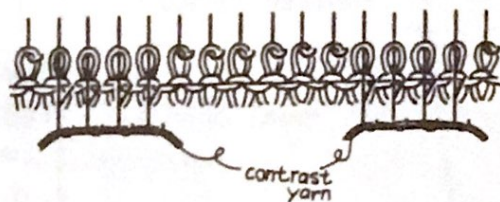
Knit in the same manner as for armband.

Borders

Knit the right and left borders in the same manner but for making buttonholes on the right border.

- (1) — Bring out the required number of Nds. to B pos.
 - Pick up the sts. from the front edge evenly and place them onto the Nds. in B pos.
- (2) — SD④, Col.A into F①, knit up to the pos. of buttonhole in stockinet.

- (3) — Push the Nds. for buttonholes to D pos. and lay contrast yarn over the Needle Hook.
 - Knit back the Nds. to B pos. by hand.



- (4) — Knit up to folding line.
- (5) — SD③, knit in the same manner as instructed in step (2) — (4) and remove the fabric on waste knitting.

To make up

- Fold armband in half onto the inside and graft the sts. of the first row and the last row.
- Join side seams using blind stitch.
- Fold neckband in half onto the inside and graft the sts. of the first row and the last row.
- Finish buttonholes as follows.
 - Remove the contrast yarn for the pos. of buttonholes, and graft the open sts. on the right side and the wrong side of the border.
- Fold border in half onto the inside and graft the sts. of the first row and the last row.
- Join both ends of border using blind stitch.
- Sew on buttons in pos.
- Give final pressing.

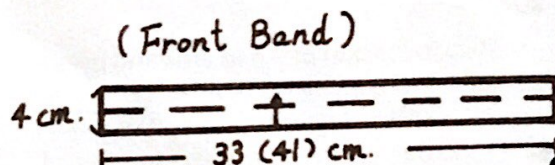
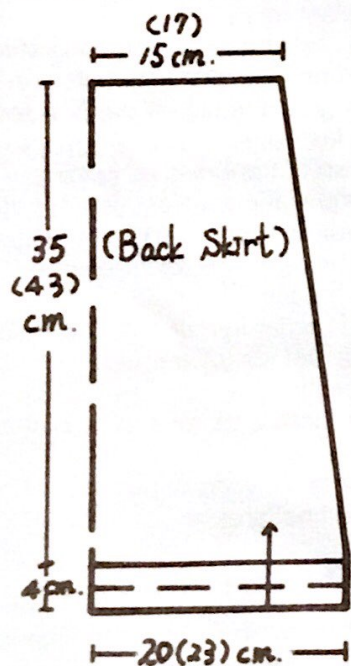
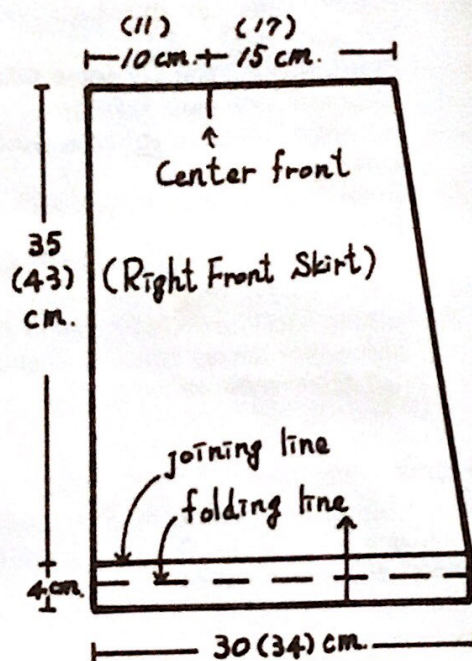
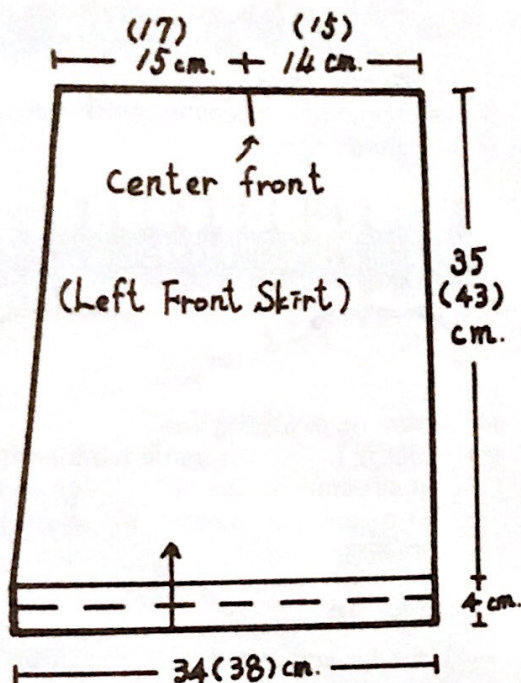
WRAP SKIRT

Select one of those two sizes given, and draw it on the Blank Pattern Paper in 1/2 scale.

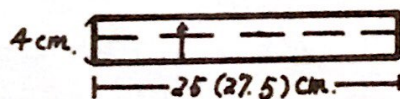
To knit

Back Skirt

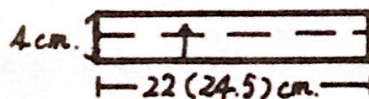
- Set Punch Card and lock at CM 1.
- Set Pattern Paper for back skirt and lock at the strating line.
- SD③, cast on the required number of sts. and knit several rows with waste yarn.



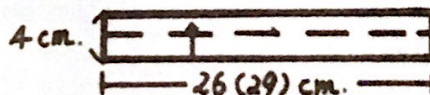
(Left Front Waistband)



(Right Front Waistband)



(Back Waistband)



(Numbers in bracket refer to the size B)

- Knit up to waistline in the same manner as instructed in step (1) — (2) for back, decreasing sts. on both sides, following the contour line.
- Remove the fabric on waste knitting.

Right and Left Front Skirt

Knit in the same manner as for back skirt, following the contour line.

Front Bands

- Block out each piece to size and press with a steam iron.
- Bring out the required number of Nds. in B pos.

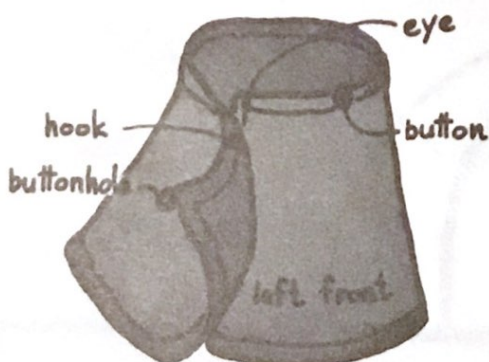
- Pick up the sts. from the straight side edge evenly and place them onto the Nds. in B pos.
- SD④, Col A into F①, knit up to folding line in Stockinet.
- SD③, knit the required number of rows and remove the fabric on waste knitting.
- Fold front band in half onto the inside and graft the sts. of the first row and last row.

Waistbands

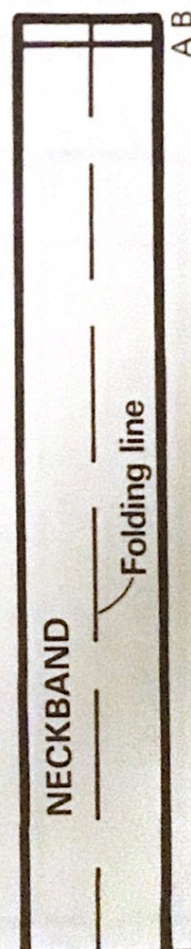
- Bring out the required number of Nds. to B pos.
- Pick up the sts. from the last row of main knitting and place them onto the Nds., decreasing sts. through the row evenly to fit the waistband.
- Knit waistbands in the same manner as for front band.
- Remove the fabric on waste knitting.
- Fold waistband in half onto the inside and graft the sts. of the first row and the last row of waistband.

To make up

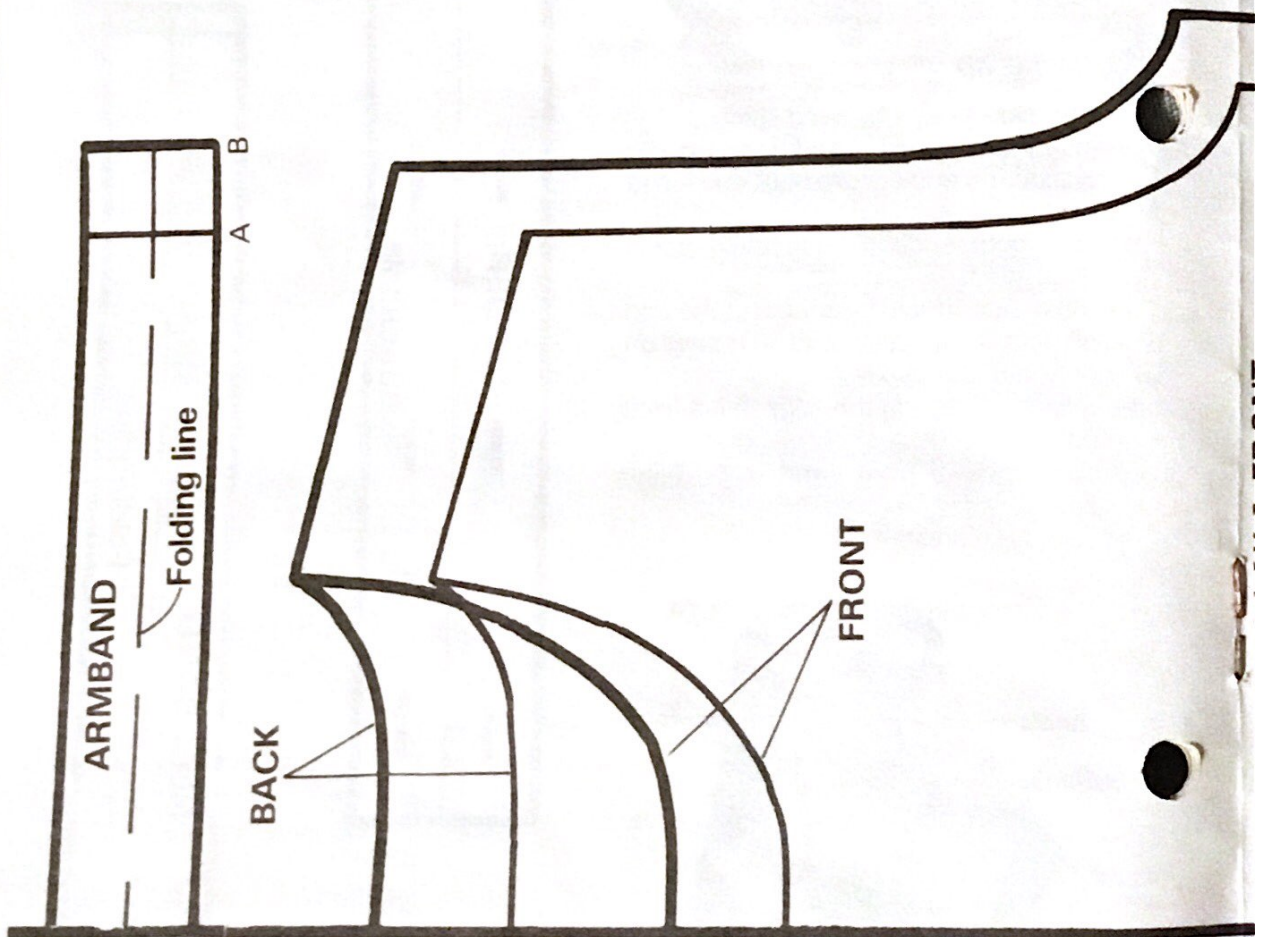
- Join side seams by blind stitch.
- Insert the elastic band through the waistband and secure both ends to fit waist.
- Join both ends of waistband using blind stitch.
- Make buttonhole by chains at the end of right front waistband and sew on button to correspond.
- Sew on an eye at the edge of left front band and a hook to correspond.
- Join ends of front band using blind stitch.
- Give final pressing.



Place these pieces at the top of the knit contour pattern on page 8.

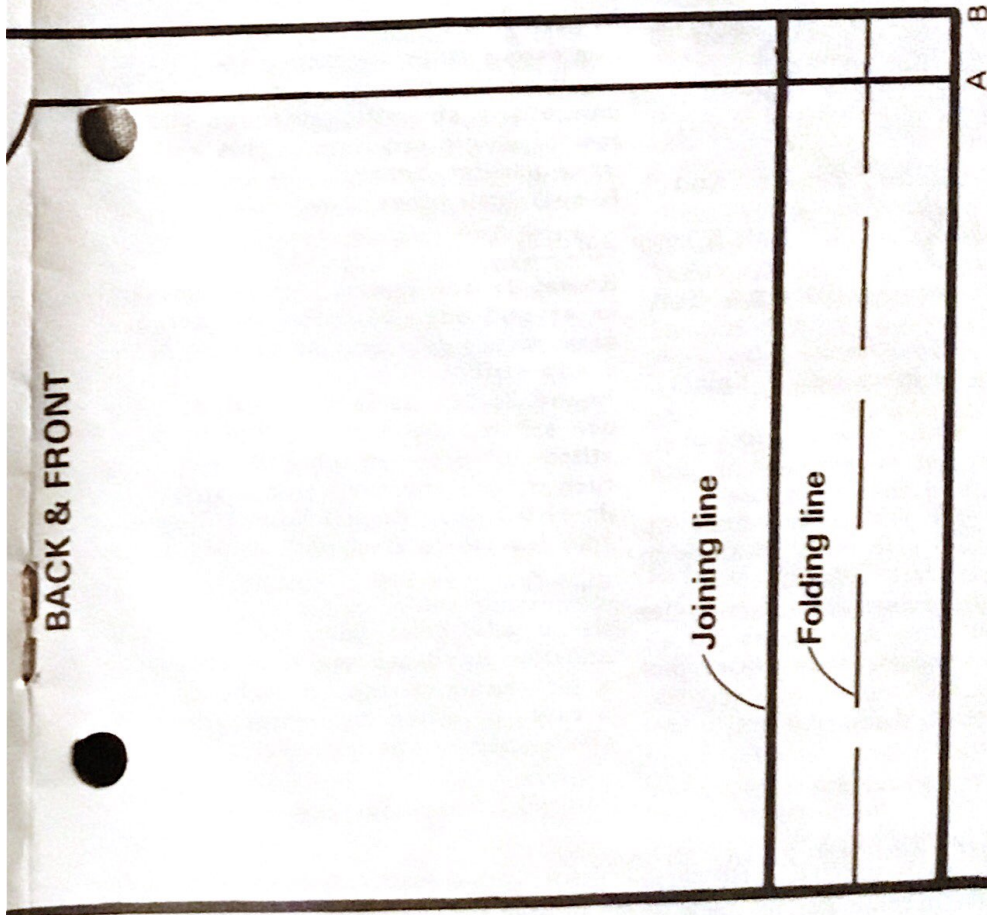


Knit Con
Girl's Vest



Contour Pattern for

Skirt and Wrap Skirt (continued from page 7)



Trace the patterns on the blank pattern paper or set this paper in the Knit Contour.



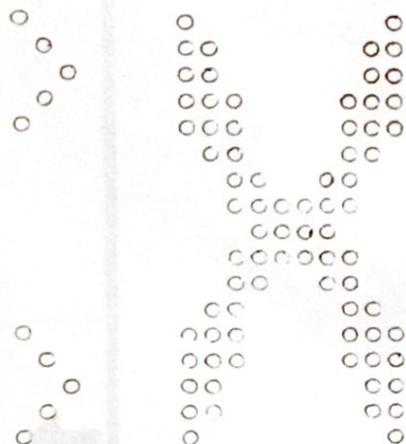
Marion Ganzer, Gardiner, NY, designed
the following pattern -

GOLF CLUB SOX

Acrylic 3/11 About 8 oz. MC and 3 oz. CC which includes yarn for making pom poms.

Punch cards with numbers 1, 3, 5 and an X using 18 rows.

Example:



Cast on 52 sts. 38 - 0 - 13. Knit 60 rows, Ten. 10. Dec. 4 sts.
Change to K2 P2, Ten. 8. Rib 62 rows.
Transfer to main bed. Knit 4 rows, Ten. 6.
Knit 2 rows CC color, Ten. 6. Knit 4 rows MC, Ten. 10. Inc. 2 sts.
Knit 2 rows CC, Ten. 6. Knit 6 rows MC, Ten. 10. Inc. 2 sts.
Set levers for reading pattern. Knit 1 row.
Knit in pattern 18 rows.
Knit 10 rows, pick up hem. Knit 1 row.
Double every other needle and put empty needles out of work.
Cut long tail and thread needle.
Remove sts. with needle and draw up.
Sew seams and finish with giant pom pom made from both colors.
Make cords for joining together. One long about 30" and four about 3".
Attach short cords in loop under pom pom in back.
String long cord through loops and join.

Linden Snyder, Sutherland, IA, writes that as a beginner knitter, she made up this simple pattern for a quick and easy baby gift, which turned out quite pretty.

BABY BLANKET

Made on a Bulky Knitting Machine

Tension 8

G Hook

Worsted weight yarn: Main Color - 14 oz. variegated (Color A)

Contrast Color - 6 oz. solid (Color B)

Gauge: 6 rows and 6 stitches = 1 inch

Finished size - 36 in. x 45 in.

(Abbreviations: sc = single crochet
dc = double crochet, ch = chain)

C Panels: Knit 5

Using Color A, cast on with E-wrap, 30 stitches. Knit 270 rows. Bind off.

Using Color B and G hook, begin in the first stitch past the corner on any side (Right side facing up):

Round 1: *sc in every other stitch along side, sc-ch-sc in corner.

Repeat from * 3 times.

Join last sc with slip stitch in first.

Joining Panels:

Pin wrong sides together, the long edges of two panels. Using Color B, join with a slip stitch through the row of single crochets. (This will make a ridge between the panels.) Repeat with other three panels.

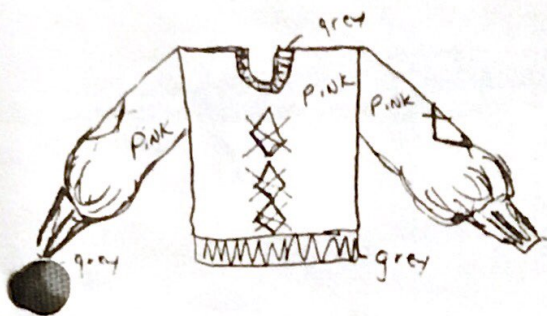
Border:

Round 1: See Round 1 of panels, and sc around edge of entire blanket in same way. Join last sc to first with a slip stitch. Ch 1.

Round 2: *(3 dc in next stitch, skip one stitch, slip stitch in the next stitch, skip one stitch). Repeat () to corner. In the corner stitch, 3 dc-chl-3 dc. Repeat from * 3 times. Join last sc to first with a slip stitch.

Variations:

Use a solid color yarn for the panels and use duplicate stitch to embroider a picture or design on each, or run a cable or other decorative stitch up the center of the panels.



Lillie Davis, Roseburg, OR, designed the following patterns:

WOMAN'S U-NECK DOLMAN
PULLOVER with DIAMONDS
(Fairisle)

Made on a Studio SK-360

40" bust Sleeve length - 20"
24½" length, including 5" rib
Finished size after washing

Phentex Mohair - 14 oz. pink
5 oz. gray for Fairisle.

Main tension 10 - 26 sts. 7 sts. = 1"
Tension rod - 2 34 rows 8½ rows = 1"
Rib at tension 6.

Front - Cast on (each side of 0, 68 sts.) both beds. Rib in 1x1 for 30 rows with gray. Transfer to main bed. Put in punch card (on graph), lock on row 1. Change to main color pink, knit 30 rows even in stockinette. Unlock card, attach magic cam and magnets. Center design over center 12 - 12 needles. Put gray yarn in yarn feeder #2. Continue to knit even working 3 diamond designs. Then knit 31 rows in stockinette (pink).

Mark each end with 138 rows on for sleeves.

Continue to neck- 166 rows on. Opposite carriage hold 1 - 68 plus 12 needles on other side, or waste these stitches off. There is no shoulder holding. Decrease 1 stitch on neck edge every row 4 times, then decrease 1 stitch neck edge every 5th row 11 times. Knit even until 227 rows on. Waste off. Shoulder stitches should be on needles 28 - 68. Change neck stitches. Center 12 - 12 stitches. Waste off. Rehang other shoulder and work the same as first shoulder.

Back - No design. Cast on 68 sts. (each side of 0, both beds) with gray and work 1 x 1 rib for 30 rows.

Transfer to main bed. Change yarn to pink and work same as front except omit design and continue to knit even until 219 rows on.

Hold on waste opposite carriage 1 - 68 needles plus 21 needles other side of 0. Decrease 1 stitch neck every row 6 times. Knit even to 227 rows on. Waste off. Pick up center 21 - 21 needles for neck and waste off. Pick up remaining stitches for other shoulder and work the same as the first.

Collar - Cast on with gray 92 sts. (each side of 0 - both beds). Work 1 x 1 rib for 12 rows. Waste off. Sew one shoulder together. Attach collar and sew up other shoulder seam. Put 1 row of elastic thread through cast-on edge of collar. Do not pull tight, this is just to make a nice edge.

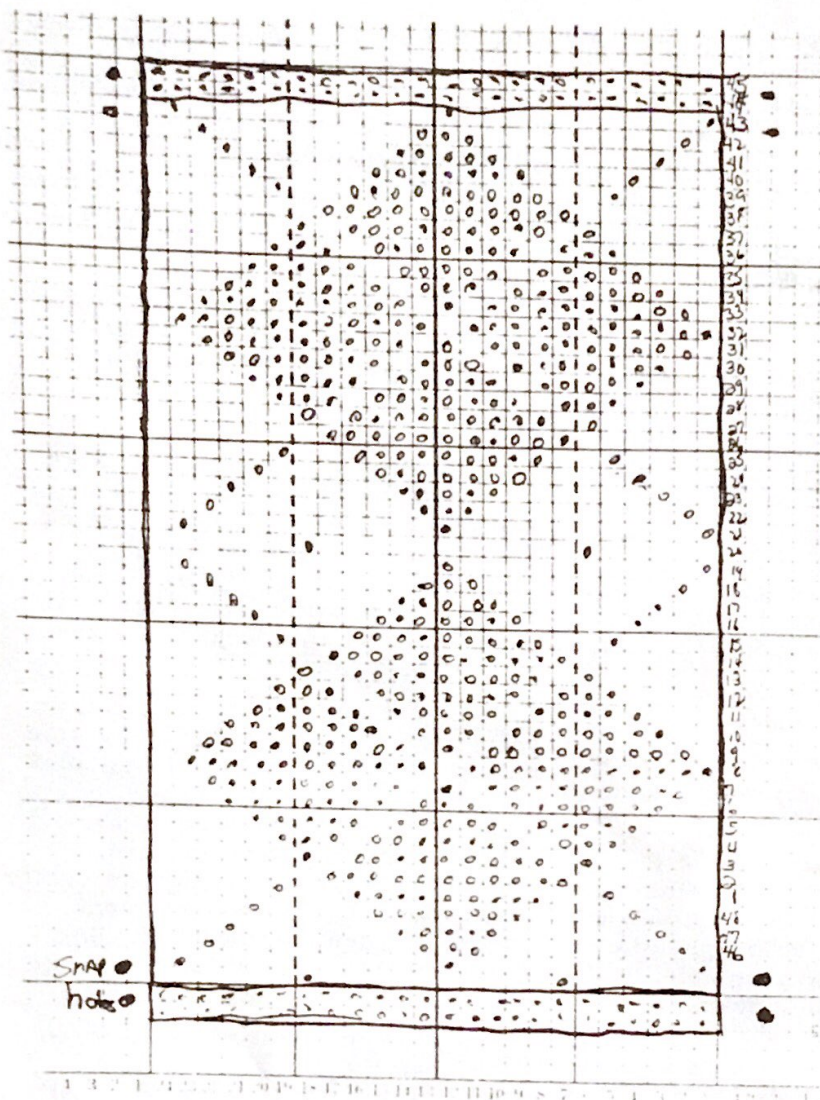
Sleeves - Hang side of sweater from yarn mark to yarn mark, wrong side facing, 70 - 70 needles. Using pink knit until 80 rows on. Memorize punch card. Attach magic cams, magnets and gray yarn in yarn feeder #2. Work one design on center needles 12 - 12. 25 rows for one diamond. Then continue with pink in stockinette until 132 rows on. Waste off. Work other sleeve the same.

Sleeve Ribbing - With gray, cast on 25 stitches (each side of 0, both beds). Rib in 1 x 1 increasing 1 st. each side every 5th row 5 times. 35 - 35 stitches each bed. Work even to 55 rows on. Waste off. Attach to sleeve edge by decreasing sleeve 2 stitches on each needle 35 - 35 needles. Sew seams.

Wash in cold water, gentle cycle. Dry on cool setting until almost dry. Lay flat to finish drying.

Punch card for this pullover is shown on next page.

Helpful hint from Lillie Davis -
"To keep your knit contour patterns handy and in good condition, use a large plastic chip clip available at many stores. Line patterns up and place clip at top edge of patterns. I placed a nail in the end of my shelves and hung them there. I also keep 3 or 4 small metal clips on my
(Cont. to next page.) - 11 -



Punch Card for
Women's U-Neck
Dolman Pullover on
page 11.

1 single diamond
25 rows.

3 diamonds = 75 rs.

EE

***** Helpful Hints (Continued)

machine. I use them to hold the yarn end when ribbing or casting on. These are hooked onto the metal piece that goes from the ribber bed to the metal table stand. I place one at each end. I use one medium clip to hook a steno notebook to the bottom of my tension rod. This way my pattern or chart is right in front of me. I also use them when using 3 or 4 colors of yarn. By clipping these yarns on my machine lid, I don't have to walk around the machine to change yarns.

#2. "Looking for designs for your sweaters? Try using cross stitch designs. They work great. Each square equals 1 stitch or 1 row. Or, draw your own design on graph

- 12 -

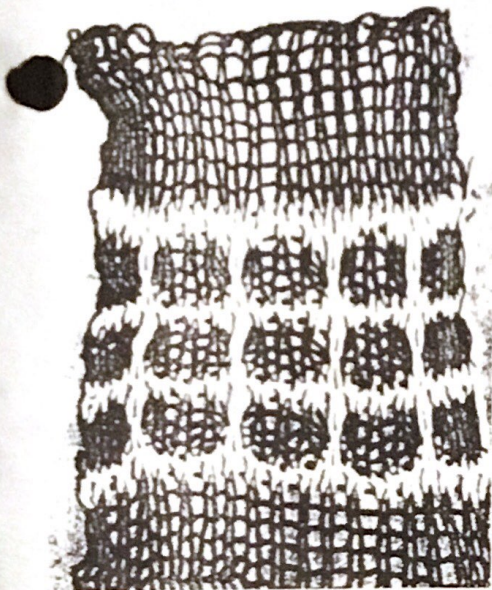
paper. Of course, you must use your intarsia carriage for these designs unless they will fit on your punch card.

#3. "To work both shoulders at one time, waste knit off neck stitches. Hook a second yarn ball to other shoulder and then use intarsia carriage. Adjust tension dial so stitch size is the same as main carriage.

#4. "To keep your cones from falling over, cut a circle out of plywood large enough for cone to sit on. Then attach a 5" long by 1/2" wooden dowel to the center with a recessed screw from the bottom of wooden circle. Cover circle with contact paper. I keep 4 or 5 of these under my machine for handy use."

Joan Austrum, Yreka, CA, has designed several patterns and pattern stitches on her Studio HK-100 which should help many of you get started with this machine.

AFGHAN - Tuck Stitch (Or Poncho)



Stitch Size - #10
Gauge - Approximately 6 sts. per inch.

One panel - Single; 2 panels - Double
3 panels - Queen

Materials - 1 panel, 1/2 cone, 2-ply,
#0125 Brick brown (main color)
1 skein - 4 oz. 2-ply white (contrast)

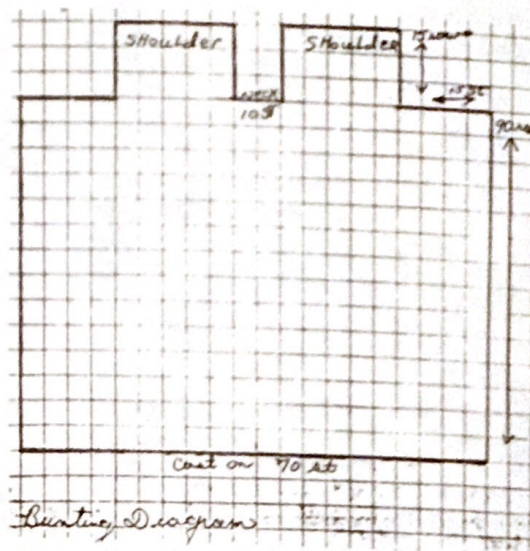
Note: Cast on as to add multiple
stitches on page 11, section IV -
HK-100 instruction manual.
(Main color is #1, contrasting color is #2.)

Directions - With main color cast on
120 sts. (see note). Work in stock-
inette for 8 rows. Set aside main
color. Connect contrasting color, work
in stockinette for 2 rows.

*Put off color 2, rethread #1. Push
up every 4th needle to position D.
Work 4 rows (tuck stitch). Change
to #2, push needles back from D to C,
work 2 rows*.

Work as instructed between stars up
to 460 rows. With main color (#1)
work in stockinette for 8 rows. Push
up all needles to position D and push
back fabric. Bind off as to slip
stitch in crocheting. Block with iron.
Note #2: Rethreading is done in re-

verse to your instructions for HK-100.
Poncho - I've joined 2 single panels
half the length and used as a medium
sized poncho or shawl.



BABY BUNTING (New born, 5 to 10 lbs.)

Made on the Studio HK-100

Materials - 3 oz. 4-ply yarn, Velcro
or snaps.

Stitch size - 10

Cast on 70 sts., work in stockinette
for 90 rows.

*Cast off as to slip stitch.

*Cast on as to add multiple stitches.

At row 90 cast off 15 sts. on each
end and 10 in center (5 on each side
of '0').

Pull needle from left side to
position D. Work right side for 15
more rows.

*Cast off right side.

Attach yarn to left side, push needles
to C and work 15 rows.

*Cast off left side.

Press to block.

With right sides together, join sides
together, then center seam and join
bottom.

Turn right side out and attach Velcro
or snaps to shoulder straps and bunt-
ing.

To increase size, add 5 stitches each
side and 5 rows in length for each
5 pounds of baby's weight.

Another pattern from
Joan Austrum is this

BUTTERFLY-STITCH VEST

Made on the HK-100

Multiple of 5 sts. per
pattern.

Dial at 10

4-ply yarn - 6 oz.

(8, 10) approx.

Lady's Small (Med. -
Large)

Cast on 80 (85, 90)
sts. Knit in stockin-
ette 10 rows.

Row 11, from 0 move
sts. #1 to #2, 9 to 8,
11 to 12, 19 to 18,
21 to 22, 29 to 28,
31 to 32, etc. Work
1 row.

Row 12, stockinette

Row 13, repeat row
11.

Row 14, repeat row
12.

Row 15, move sts.
4 to 3, 6 to 7, 14 to

13, 16 to 17, 25 to 24, 27 to 28, 35 to 34, 37 to 38, etc. Work 1 row.

Row 16, repeat row 12.

Row 17, repeat row 15.

Row 18, repeat row 12.

Row 19, repeat row 11.

Row 20, repeat row 12.

Row 21, repeat row 11.

Row 22, repeat row 12.

Work in this pattern to row 98 (104, 108)

Bind off center 20 stitches. Push needles on left side of 0 to D position.

Work right side in stockinette to row 135 (140, 145) and add 4 (5, 6) back
on to center neck needles.

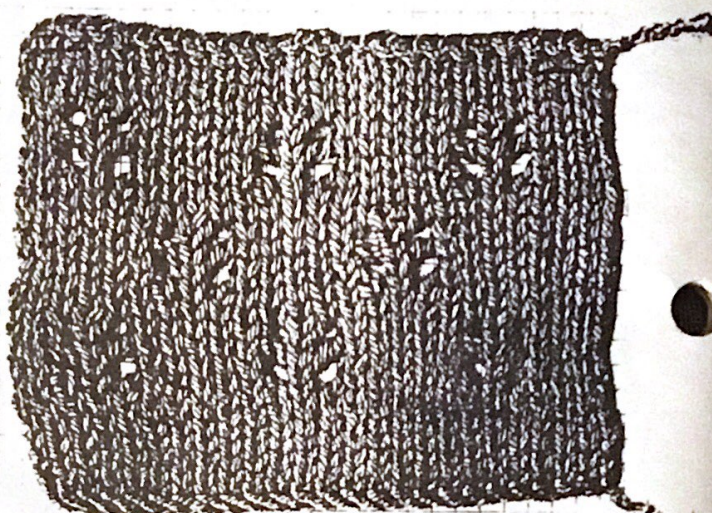
Work to row 140 (145, 150). Continue in pattern from row 11 for 88 (92, 96)
more rows.

Do 10 more rows in stockinette and bind off.

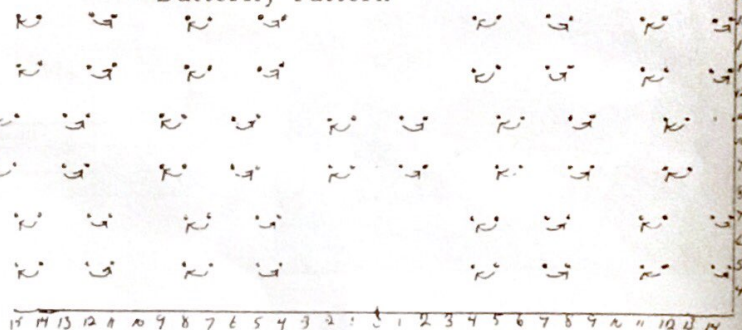
With right sides together, iron and measure up from bottom to 17" (16, 15),
place marker through front and back on both sides. Sew side seams to
markers. Turn right side out and iron seams.

More helpful hints from Lillie Davis (Cont. from page 12)

#5. "This works on the Studio SK-360. I don't know about other machines.
To work a design without the use of a punch card or intarsia carriage,
thread main yarn in yarn feeder #1 and contrast yarn in yarn feeder #2.
carriage dial to fairisle and bring both side levers forward to dot. *Pull out
the needles that will have design to D position. Knit across. *Repeat for
each row. This will not work if you have any stitches in hold position.



Butterfly Pattern



This "Newsletter" is your publication. Help support it by submitting your original patterns and helpful hints, so other home knitters can learn from your experience. We would like to urge all of you with older machines to share your favorite originals with our other readers. Many of our readers write in requesting simple, beginner patterns. You will receive a gift of yarn for any original pattern or hint that is printed. When sending in your patterns, be sure to include the size of the garment and the knitting gauge (number of stitches and rows per inch) - this is most important - and the knitting machine for which your particular pattern was designed. It also helps if you know approximately how much yarn your pattern takes. Please check and recheck your patterns for errors and type or print clearly. We do not have time to knit each pattern sent in, so cannot check for mistakes. It also helps if you do not abbreviate, as many of your terms are unfamiliar to us and to other readers. A black and white snapshot and/or brief description of your garment will make it easier to visualize by other readers. A gift of yarn will be sent for snapshots (black and white) printed with the patterns.

There is a wonderful opportunity awaiting you to become a STUDIO Knitting Machine and yarn dealer. Good money can be made in your spare time with only a small investment. We are interested in contacting men and women who would like to become a part of our growing group of STUDIO dealers throughout the United States. Our assistance and guidance can make this a very profitable venture for you, and our only requirements are that you know how to operate a knitting machine and that you have space available in which to set up your STUDIO shop, either in your home or place of business. You will find this a fascinating business which affords you the opportunity to become acquainted with new and interesting people. Contact Mr. David Bratz, Manager, STUDIO Yarn Farms, Inc., P.O. Box 46017, Seattle, WA 98146.

If you are planning to move soon, let us know both your old and new addresses, complete with zip codes. We cannot change your address without this information.

Patterns submitted and published in this "Newsletter" are submitted by individuals and are purported to be original patterns.

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