

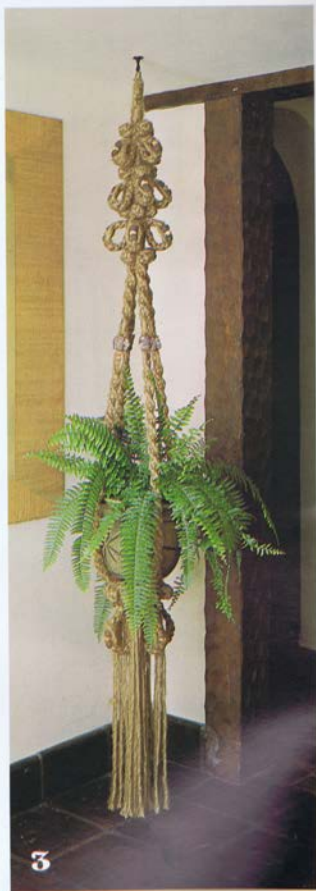
SUSPENDED ELEGANCE



**Step by Step Macramé Instructions
for Ten Beautiful Plant Hangings**







SUSPENDED ELEGANCE

by

Kristi Carlson & Joy

Hidden House/Flash Books
palo alto, ca. new york

ACKNOWLEDGEMENTS

To the following people go our thanks for their professional assistance and personal support.

Judy Whitaker Bishop	Editor
Bill Jewell	Illustrations
Kristi Carlson	Calligraphy
Chuck Koehler	Photography
CERES Litho	Printing
Ken Cochran	Plants

- The authors give special thanks to Judy Whitaker Bishop for her high standards in organizing this book and her determination to present an exciting and useful book to you, our reader.
- To Luciano, we wish to express our appreciation for giving us the opportunity to present these ideas and designs to you.
- To John and our many friends, thank you for understanding how important this book is to us.

- Joy is a successful designer creating unique macramé hangings for the past six years. In addition, she is the originator of Hidden House of Crafts in Palo Alto, California.
- Kristi Carlson has worked closely with Hidden House of Crafts since it was founded and has been designing decorative macramé pieces for the past three years.

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Printed in the United States of America

International Standard Book Number 0-8256-3805-4

Distribution:
Quick Fox Inc.
33 West 60th Street
New York, N.Y. 10023

Note to the Reader

Macramé is the ancient art of knot tying used by sailors in their work and in making decorations for their sailing ships. Today, macramé is considered a textile, since you are making fabric with knots and threads that will not unravel. It has developed into a fine form of creative expression.

The plant hangings in this book will bring a touch of elegance and the outdoors into your home, along with a fine example of macramé as an art form. Though macramé appears to be complicated to learn, you will be pleasantly surprised to know that after you have perfected your knot-tying skills, you will be able to create every plant hanging in this book.

To successfully complete the hangings, we suggest you begin with the Sampler, as it will teach you how to tie most of the knots used in this book and give you the opportunity to practice those that may give you difficulty. It is not enough to be skillful at knot-tying ~ you must learn the language of macramé. Read through the Sections on working techniques, tools, beads, and cord sizes, and refer to the Glossary of Knots and Terms whenever necessary.

Even though the designs are specific, you can make each hanging individually yours by selecting cord, beads, and colors that please you. Add patience to your skills and enjoy the "suspended elegance" you have created.

Kristi + Jay

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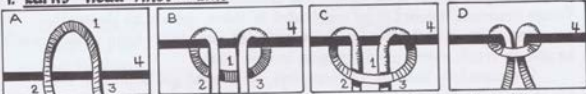
Section 1 Glossary of Knots and Terms

Working Cord: used to tie knots

Holding Cord: used to support knots being tied (can be cord, strip of wood, ring, ect.)

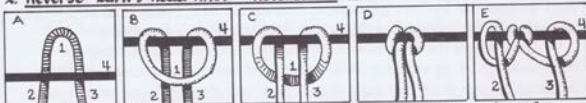
Sinnet: consecutive vertical series of knots. (Example: 7 1/2" Half Knot sinnet)

1. Lark's Head Knot = LHK



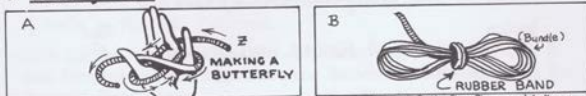
A. Fold working cord in half and place loop 1 over holding cord 4. B. Pull 1 down behind 4. C. Pull ends 2 and 3 through loop. D. Pull knot tight.

2. Reverse Lark's Head Knot = Reverse LHK and Half Hitch (HH)



A. Fold working cord in half and place loop 1 under holding cord 4. B. Pull 1 down in front of 4. C. Pull ends 2 and 3 through loop. D. Pull knot tight. E. Half Hitch • Place 2 over and behind 4 and through loop. • Place 3 over and behind 4 and through loop.

3. Butterfly Cords



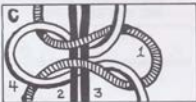
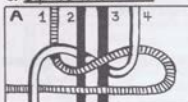
A. Leave 12" from Z (usually attached to ring, wood, etc.) and start Butterfly. Place cord between fingers and, following arrows, make a figure 8 until all cord is used. B. Gather all cords at cross-over point, lift cords off fingers, and secure with rubber band. Note: A gentle pull will easily release cords.

4. Half Knot = HK



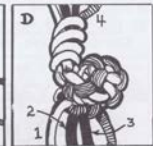
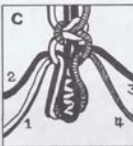
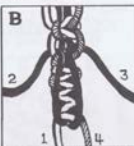
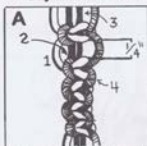
A. Place 1 (working cord) over 2 & 3 (holding cords) and under 4 (working cord). B. Place 4 under 2 & 3. C. Pull 4 up through loop of 1 from behind, and pull knot tight. (this completes 1 HK.) D. ReNUMBER cords from left to right 1-4 and repeat A,B,C, several times, tying knots evenly and as close to last knot as possible. E. After tying several knots, a twist will begin to occur. Note: Allow cords to twist naturally, always beginning next knot with left working cord.

5. Square Knot = SK



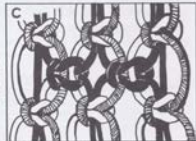
A. Repeat Half Knot, 4 A, B, C. • Bring 1 back over 2 & 3 and under end of 4. B. Bring 4 under 2 & 3. C. Bring 4 up through right loop of 1. D. Pull 1 and 4 to tighten knot.

6. Square Knot Button = SKB



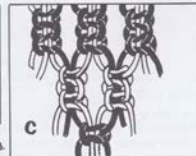
A. Tie 1 SK using 4 cords. • Drop down $\frac{1}{4}$ " and tie 4 SK's. B. Bring 2 up through left loop and 3 up through right loop. C. Bring 1 up through left loop and 4 up through right loop. D. Pull all cords down so that SK sinnet (4 SK's) is pulled back over itself (pull holding cords tight and tie 1 SK directly under button).

7. Alternating Square Knot = ASK



A. Divide 12 cords into 3 groups of 4 cords each and tie 1 row of 3 SK's. B. Drop 2 outside cords on each side and tie 2 ASK's with each group of 4 cords. C. Using 3 groups of 4 cords each, tie 1 row of 3 ASK's.

8. Alternating Square Knot "V" Pattern



A. • Using 8 groups of 4 cords each, tie 1 row of SK's. • Drop 2 outside cords on each side and tie 2 ASK's with each group of 4 cords. • tie 1 ASK using center group of 4 cords. B. Repeat Step A, reversing the order of steps. C. Double Alternating Square Knots - tie 2 SK's with each group of 4 cords.

9. Double Half Hitch = DHH

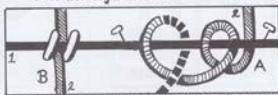
DHH tied left to right



A. DHH tied left to right ~ • Place 1 (holding cord) over 2 (working cord) • Keeping 1 taut, bring 2 over 1 to left and down thru loop; repeat. B. Pull first hitch tight and in place. • Pull second hitch tight to lock DHH in place. Note: One loop must be on each side of 2.

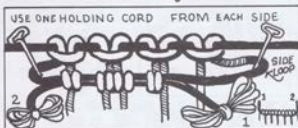
A. DHH tied right to left ~ • Place 1 (holding cord) over 2 (working cord) • Keeping 1 taut, bring 2 over 1 to right and down through loop; repeat. B. Pull first hitch tight and in place. • Pull second hitch tight to lock DHH in place. Note: One loop must be on each side of 2.

DHH tied right to left



10. Double Half Hitch = DHH

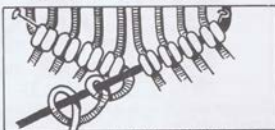
DHH with double holding cords



- Bring left holding cord from left to right loosely over all working cords. • Bring right holding cord from right to left loosely over all working cords.
- Pin as shown. • Working from left to right, DHH each working cord onto both holding cords. When row is completed, gently pull 1 toward right and 2 toward left so that side loops disappear.

11. Diagonal Double Half Hitch = Dia. DHH

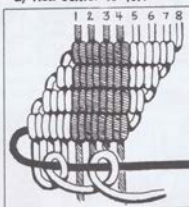
Dia. DHH tied outside to center



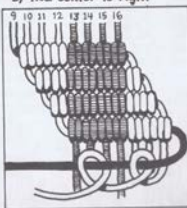
- Bring outside cords (holding cords) toward center. • Working from outside to center, DHH left 4 working cords onto left holding cord and right 4 working cords onto right holding cord. • DHH left holding cord onto right holding cord. Note: After each row, reverse procedure for tying holding cords onto each other ~ DHH left onto right; right onto left; etc.

12. Angling Double Half Hitch = Angling DHH

a) tied center to left

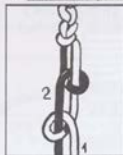


b) tied center to right



- Bring 8 (holding cord) over 7-1 (working cords) and working from right to left, DHH cords onto 8.
- Remember cords 1-8 and bring new cord 8 over 7-1. DHH cords onto 8; repeat twice. Note: Holding cord from previous row becomes last working cord in next row. • Bring holding cord from last row to right and tie 4 rows of DHH's from left to right. • Angling DHH's tied center to right ~ Bring cord 9 (holding cord) over 10-16, working from center to right. DHH cords onto 9. Remember cords 9-16 and repeat three times. Bring holding cord from last row to left and tie 4 rows of DHH's from right to left.

13. Alternating Half Hitch = AHH



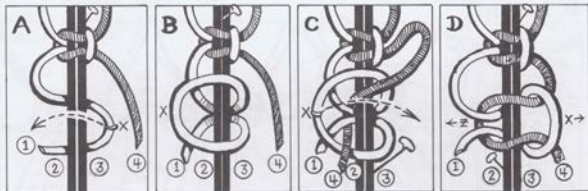
• Hold 1 fast and bring 2 over and behind 1 through loop (over 2). • Hold 2 fast and bring 1 over and behind 2 and through loop (over 1).

14. Over Hand Knot = OHK



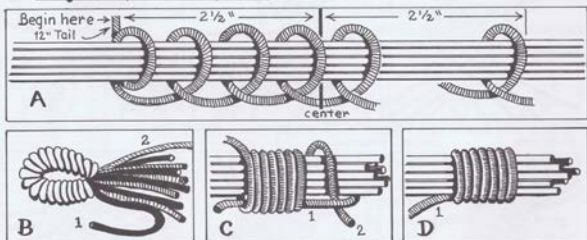
A. Bring cord up to left and cross over. B. Bring cord around behind and down through loop.

15. Short-Cut Square Knot



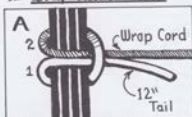
A. Form loop with 1 and place under 2 & 3. (Note location of X) B. Bring loop of 1 at point X to left over 2 & 3. C. Place 4 over top of right loop, over 2 & 3, under 2 cords of 1 (at left of 2), and out over bottom left loop. • Pull point X to right over cords 2 & 3. D. Pull points Z and X up and out to form first half of SK. • Pull ends 1 and 4 to complete SK.

16. Hanger Loop and Wrap Knot



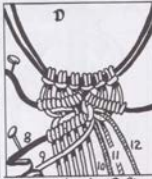
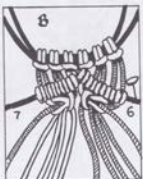
A. Leave a 12" tail on wrap cord and begin tying a series of DHH's, as shown. B. Fold DHH's in half and form loop. C. Tie Wrap Knot, bringing 2 through loop of 1. D. Pull 1 up to lock loop and 2 in place under wrap. (Pull cords individually to center hanger loop over wrap knot) Clip 1 and 2 close to wrap. Glue ends with clear-drying glue.

12. Wrap Knot - WK

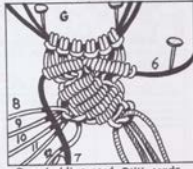
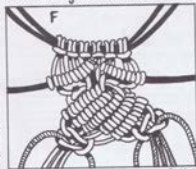


A. Fold wrap cord 1 12" from end and LHK over all cords (holding cords). B. Form loop with 1 and wrap 2 over 1 and around all cords. C. Wrap desired number of inches and place end 2 through loop of 1.
 • Pull 1 up so that loop and cord 2 are securely locked under wrap. • Clip ends close to wrap and glue ends with clear-drying glue.

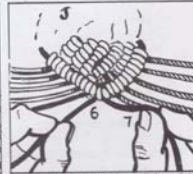
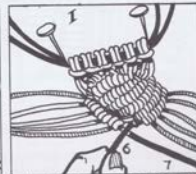
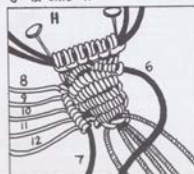
18. Berry Knot



A. Working from center to outside, cross cords 7 & 8 and tie 1 row of Dia. DHH's on each side. B. Pin 6 & 7 out of way; tie SK's as shown. C. Use 8 as holding cord. Tie 1 row of Dia. DHH's to left, beginning with cord 5. D. Use 9 as holding cord and tie 1 row of Dia. DHH's to left.



E. Tie 9 more rows in same manner. F. Tie SK's as shown & using 7 as holding cord, DHH cords 8-12 onto 7.



H. Tie DHH's in Step 6 as close to horizontal rows as possible. Bring 6 over 7 on right and tie row of DHH's. I-J. Cross 6 over 7 and DHH 6 onto 7.

Section 2

Sampler

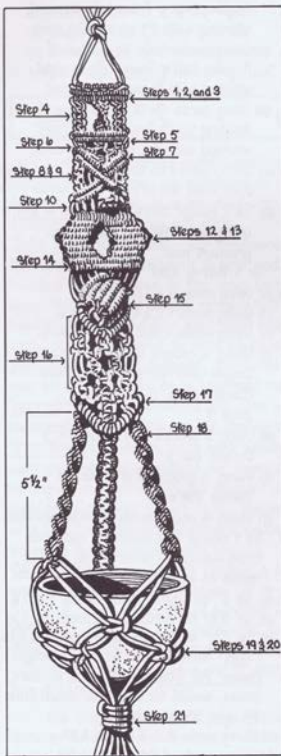
Materials:

39 yds. #30 Cotton Cable ($\frac{1}{16}$ "
(3 ply jute or Cotton Seine

Cut:

6 cords - 6 yds. each
1 cord - 18 inches (holding cord)
1 cord - 2½ yds. (wrap cord)

Total finished length with fringe: 30"



The Sampler contains most of the knots used in the plant hangings in this book. We started the Sampler on a holding cord - you may want to start it on a 2" ring and use it with an herb pot as a small plant hanging. Be sure to refer to the Glossary for knots and terms that are unfamiliar to you. At certain steps you will need to mentally number the cords consecutively from left to right. Renumber cords after each step where original cord numbers have changed, always numbering from left to right.

1. Fold 18" cord (holding cord) in half and pin (taut) horizontally to macramé board.
2. Use Lark's Head Knot (LHK) to attach six 6 yd. cords to middle of holding cord. (centered).
3. Mentally number cords 1-12, from left to right.
 - (a) Tie 1 row of Double Half Hitches (DHH) from left to right, using cord 1 as holding cord.
 - (b) Tie 1 row of DHH's from right to left

using holding cord from previous row.

4. (a) Using cords 1,2,3,4, tie 4 Square Knots (SK).
- (b) Using cords 5,6,7,8, tie 8 Half Knots (HK).
- (c) Using cords 9,10,11,12, tie 4 SK's.
5. (a) Tie 1 row of DHH's from right to left, using cord 12 as holding cord.
- (b) Tie 1 row of DHH's from left to right, using holding cord from previous row.
6. (a) Using 3 groups of 4 cords each, tie 1 row of 3 SK's.
- (b) Tie 1 row of Alternating Square Knots (ASK), using 2 groups of 4 cords each.
- (c) Tie 1 ASK using 4 center cords.
7. Tie 2 rows of Diagonal Double Half Hitches (Dia. DHH) on each side from outside to center, using outside cords as holding cords. (In first row, Dia. DHH left holding cord onto right holding cord; in second row Dia. DHH right holding cord to left.)
8. (a) Using cords 1 and 2, tie chain of 7 Alternating Half Hitches (AHH).
- (b) Using cords 11 and 12 tie chain of 7 AHH's.
9. Tie 2 rows of Dia. DHH's on each side from center to outside, using center cords as holding cords. (Cross holding cords before tying second row.)
10. Using cords 5,6,7,8, tie 1 Square Knot Button (SKB).
11. (a) Loosely cross cords 1 and 12 over 2-11 and tie 1 row of DHH's, using both cords as 1 holding cord.
(See Glossary, page 6, Double Half Hitches using Double Holding Cords.)
- (b) Pull cords 1 and 12 until side loops are gone.
12. (a) Using cords 1-6, tie 3 rows of Angling Double Half Hitches (Angling

DHH) from right to left, starting with *6 as holding cord.

- (b) Using cords 7-12, tie 3 rows of Angling DHH's from left to right, starting with *7 as holding cord.
13. (a) Using cords 1-6, tie 3 rows of Angling DHH's from left to right, starting with *1 as holding cord.
- (b) Using cords 7-12, tie 3 rows of Angling DHH's from right to left, starting with *12 as holding cord.
14. (a) Using cord 1 as holding cord, tie 1 row of DHH's from left to right using cords 1-12.
- (b) Tie 1 row of DHH's from right to left, using same holding cord from previous row.
15. Tie 1 Berry Knot.
16. (a) Using cords 5,6,7,8, tie 1 SK.
- (b) Using cords 1,2,3,4, tie 2 SK's.
- (c) Using cords 9,10,11,12, tie 2 SK's.
- (d) Using 2 groups of 4 cords, tie 2 Double Alternating Square Knots (Double ASK). (See Glossary, page 5.)
- (e) Using 3 groups of 4 cords, tie 3 Double ASK's.
- (f) Using 2 groups of 4 cords, tie 2 Double ASK's.
- (g) Using 4 center cords, tie 1 Double ASK.
17. Tie 1 row of Dia. DHH's on each side from outside to center, using outside cords as holding cords.
18. (a) Tie 5° SK sinnet, using cords 5,6,7,8.
- (b) Tie 5½° HK sinnet, using cords 1,2,3,4.
- (c) Tie 5½° HK sinnet, using cords 9,10,11,12.
Note: Sinnets must be even in length.
19. Flower Pot Basket - Steps a, b, and c, below, should be tied 2½" down from HK and SK sinnets.
- (a) Using cords 3,4,5,6, tie 1 SK.
- (b) Using cords 7,8,9,10, tie 1 SK.

- (c) Using cords 11, 12, 1, 2, tie 1 SK.
 20. Steps a, b, and c, below, should be tied $1\frac{1}{2}$ " down from last SK's.
 (a) Using cords 1, 2, 3, 4, tie 1 SK.
 (b) Using cords 5, 6, 7, 8, tie 1 SK.
 (c) Using cords 9, 10, 11, 12, tie 1 SK.
 21. With one $2\frac{1}{2}$ yd. cord, tie a Wrap Knot

around all cords $1\frac{1}{2}$ " down from last SK's.

22. Tie an Over Hand Knot (OHK) in each cord 4" down from bottom of wrap. Cut fringe 4" below OHK's and separate ply's of each cord (unwind).

Section 3

Cords & Beads

Jute: a strong, earthy, rough-textured cord which should be used indoors or in a sheltered outdoor area, as exposure to rain or snow will cause the cords to rot. Colored jute comes in a beautiful variety of colors but must be kept from direct sunlight as the colors will fade.

Jute Roving: a silky, non-continuous fiber which must be handled with care, as the cords have a tendency to split and break. The cords should be worked tightly bundled and as close to the area being tied as possible. Retwist each cord before tying. Should a cord break, remove half of the strands in each end and tie the ends together, using a Granny Knot (left end over right end, then right end over left end), and cut ends as close to knot as possible.

Jute Welt: a fine textured, hard-finish type of jute that shows knots clearly. It can be used indoors or in sheltered outdoor areas.

Tarred Marlin: a natural jute cord which has been treated with creosote and is excellent for use outdoors. It has an odor which will dissipate within a few weeks.

Tree Rope: a rough, crisp cord which is perfect for dramatic designs. It is treated with creosote to withstand rot from exposure to sunlight, rain, or snow. Being the strongest cord of all, it will support very large pots.















Cotton Roving: a soft, fluffy material which adapts itself well to either a formal or a free-form design. It should be used only indoors and special care must be taken to avoid contact with water.

Cotton Seine (or Cotton Cable): a strong, durable cord that can be used indoors and in sheltered outdoor areas. It is available in off-white and a variety of colors. Constant exposure to direct sunlight will cause colors to fade.

Braided Nylon: a sophisticated cord with a slight sheen, which comes in a wide variety of colors. The strength of this cord and its colorfast properties make it suitable for use any place in or around the home. It is washable and ideal for use in kitchen areas.

The chart on the next page presents macramé cords by name, size, color, texture, and use indoors and outdoors. It should help you select the most suitable cord for each design. It is essential to use the correct thickness

of cord, as it effects the finished width and length of the plant hanging. In the chart, underlined plant hanging names indicate the cord type actually used in the book.

Cord Type	Ply	Actual Size	Plant Hangings Suitable	Available Color	Use: Indoor	Use: Outdoor	Texture
Jute	7 ply - 7mm or 72/4		<u>Fiesta</u>	natural	yes	sheltered area	varying thickness, hairy
Jute	72/5		Priscilla Encore Gazebo	natural	yes	sheltered area	varying thickness, hairy
Jute	72/6		Kahuna Penthouse	natural	yes	sheltered area	varying thickness, hairy
Jute	5 ply, 5 mm 48/5		<u>Carousel</u> Wood Nymph <u>Fiesta</u>	natural and colors	yes	no	varying thickness, hairy
Jute Welt	5/32" or 1/8"		Carousel Fiesta	natural	yes	sheltered area	even thickness, smooth
Jute Roving	3/8"		<u>Kahuna</u>	natural	yes	no	varying thickness, soft and silky
Tarred Marlin	2 ply		<u>Fiesta</u> (1st & 2nd panel)	natural	yes	yes	even thickness, sticky
Tarred Marlin	3 ply		<u>Fiesta</u> (center panel)	natural	yes	yes	even thickness, sticky
Tree Rope	4 ply		<u>Penthouse</u> Kahuna	dark brown	yes	yes	even thickness, rough
Cotton Roving	9 ply		<u>Gazebo</u> Encore Priscilla	off-white	yes	no	even thickness, soft
Cotton Seine or Cable	30 ply		<u>Sampler</u>	off-white or colors	yes	sheltered area	even thickness, hard finish
Soft Cable	60 ply 3/16"		<u>Wood Nymph</u> Gazebo	off-white	yes	sheltered area	even thickness, soft finish
Braided Tubular Nylon	5/64" or 1/16"		<u>Indian</u> <u>Summer</u>	white and colors	yes	yes	even thickness, smooth with slight sheen
Braided Tubular Nylon	7/64" or 1/8"		<u>Oklahoma</u> <u>Sunrise</u> Wood Nymph Carousel	white and colors	yes	yes	even thickness, smooth with slight sheen

Beads:

Beads can add drama, color, and texture to your plant hangings. Before purchasing beads for a plant hanging, read the Materials section included in the instructions for that hanging. Necessary bead hole size is determined by the thickness of the cord being used and the number of cords that have to pass through the hole. We suggest you carry a sample of the cord with you when shopping for your beads. If cord is thin, a bead with too large a hole may not sit well (especially in the hanging Indian Summer). Various combinations of beads can be used together. Do spend some time selecting your favorite wood, ceramic, glass, plastic, or metal beads.

Some of the directions in this book call for the use of a certain number of inches of beads. Should you elect to use fewer beads than called for or to eliminate beads completely, be sure to add knots to fill the space.

Section 4

Tools & Materials

The least expensive macramé board is a piece of ceiling tile that can be purchased at most lumber yards. Have board cut at least 4" larger than finished width of plant hanger. Use a waterproof pen to mark off board in 1" squares to form a grid used for measuring your work. Place masking tape around edges of board to keep it from shredding.

1-pins (wig pins) are essential for keeping knots in place on board. You will also need scissors, rubber bands, and a tape measure or ruler.

For some plant hangings which require that knotting be done while the work is suspended from the ceiling, you will need a strong hook attached to a stud beam or attached to a toggle bolt (also called a "mollie") inserted into the ceiling. A plant hanging made from 15 lbs. of cord, plus a pot containing wet soil, can weigh over 30 lbs. and must be properly suspended from the ceiling.

Hanger loops may not fit over standard ceiling hooks (swag hooks) but a decorative S hook slipped through the loop and onto the ceiling hook will solve this problem.

Section 5

Helpful Hints

1. The hangings are arranged in the book in order of increasing complexity and construction time.
2. Read instructions carefully before cutting or tying knots.
3. Always refer to Glossary for knots or terms you do not understand.
4. Measure cords accurately before cutting.

5. For hangings with many cords, cut cords as they are needed.
6. Keep cord bundles (butterfly) tightly secured with rubber bands.
7. Wrap working cord bundles with identifying cords to avoid confusion.
8. Tie knots evenly; if knots are tied too tightly a shortage of material may occur.
9. Draw a 1" grid on board or cover it with a gingham of 1" squares.
10. Pin work securely to board to keep it even.
11. When tying large, simple hangings, you can tie the hanger loop to a door-knob and the holding cord(s) to a chair to tie sinnets.
12. The term "equal in length" means that sinnets should be "horizontally even" with each other, not necessarily equal in inches.
13. Suspend hanging before tying ring plant will rest on (make sure it's level).
14. When working large hangings, temporarily tie sinnets up out of the way while you work on other sections.
15. For added strength, you can tie a strip of wire into the Hanger Loop, Wrap Knot, and 2 sinnets (see Carousel).
16. Fold cords in half when attaching to holding cords, ring, or wood, unless otherwise stated.
17. To remove wrinkles from fringe:
 - (a) Place several layers of newspaper or sheet of plastic on floor, at least 2 feet wider than plant hanging.
 - (b) Dampen fringes and smooth down - dye may come off onto hands and fabric.
 - (c) Cut strip of cloth as long as fringe and 3 inches wider than circumference of fringes gathered together.
 - (d) Wrap cloth around fringes evenly from top to bottom and pin overlapped edges; dry several hours.
18. To keep cords from getting wet, use a saucer underneath the plant pot and/or remove pot from hanging when watering.

These plant hangings should be worked tightly on a gridded macramé board:

Indian Summer • Fiesta
Wood Nymph • Oklahoma Sunrise

These plant hangings should be suspended from the ceiling to be worked:

Kahuna • Penthouse • Gazebo
Encore • Priscilla

Carousel is worked both on a board and suspended.

Materials for all of the projects included in this book are available from Carousel Designs, P.O. Box 1683, Palo Alto, Ca., 94302. Enclose 25¢, and a self-addressed, stamped envelope in order to receive their current catalogue.

**Materials:**

- *122 yds. 9 ply Cotton Roving or $\frac{7}{8}$ jute ($\frac{1}{4}$ "
- One - 6" ring (bamboo, metal, or plastic)
- Beads - sinnetts (optional - underlined are ones we used)
- 12 - 1" amber (glass, wood, or ceramic)
- 16 - $\frac{1}{2}$ " orange (wood, glass, ceramic, or plastic)
- 16 - $\frac{1}{2}$ " brown (wood, glass, ceramic, or plastic)
- 8 - 1" oval olivewood (wood, glass, or ceramic)
- 8 - $\frac{1}{4}$ " oval olivewood (wood, glass, or ceramic)
- 8 - $\frac{1}{2}$ " light green (ceramic, glass, wood, or plastic)
- 4 - $\frac{7}{8}$ " dark brown (wood, glass, or ceramic)
- 4 - 1" natural clay (wood, glass)
- Beads - bottom fringe (optional)
- 12 - 1" amber (glass, wood, or ceramic)
- 12 - $\frac{1}{2}$ " light green (ceramic, glass, wood, or plastic)
- 8 - $\frac{1}{4}$ " oval olivewood (wood, glass, or ceramic)
- 13 - $\frac{1}{2}$ " orange (wood, glass, ceramic or plastic)
- 13 - $\frac{7}{8}$ " dark brown (wood, glass, or ceramic)
- 12 - $\frac{1}{2}$ " brown (wood, glass, ceramic or plastic)

Cut As Needed:

- *4 cords - 14 yds. each (working cords)
- 2 cords - 6 yds. each (holding cords)
- 2 cords - 3 yds. each (wrap cords)
- 24 cords - 2 yds. each (fringe cords)

Finished length to ring: 53"

Total finished length with fringe: 80"

Priscilla is a basic, large plant hanging with decorative fringe. We have used many beads for color and texture high-lighting. Use of beads is optional. If you do not use beads, substitute enough Half Knots (in the sinnetts) and Square Knots (in the fringe) to replace inches of beads called for. If you do use beads, choose those that compliment each other and add texture. Feel free to vary from the beads called for. $\frac{7}{8}$ natural jute is a good substitute cord.

* Cut working cords 16 yds. long if not using beads. (130 yds. total yardage)

1. Fold all 14 yd. cords and 6 yd. cords in half and use one 3 yd. cord to form Hanger Loop and Wrap Knot. (See Glossary, page 7.)

2. Separate the 12 cords into 4 groups of 3 cords each (2 working cords and 1 center cord); butterfly working cords.

3. Place 19 beads on each holding cord. (See diagram)

4. Tie 11" Half Knot (HK) sinnet with each group of 3 cords.

5. (a) Push 1 bead (1") up each holding cord to last HK and tie $4\frac{1}{2}$ " of HK's in each sinnet (under beads).

(b) Push 5 beads (3") up and tie 2" of HK's in each sinnet.

(c) Push 2 beads ($2\frac{1}{4}$ ") up and tie 1 HK in each sinnet.

(d) Push 3 beads ($1\frac{7}{8}$ ") up and tie 1 HK in each sinnet.

(e) Push 2 beads ($2\frac{1}{4}$ ") up and tie 2" of HK's in each sinnet.

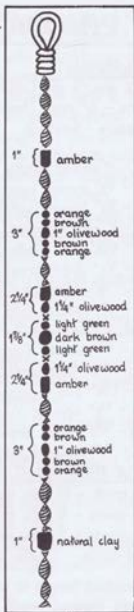
(f) Push 5 beads (3") up and tie 4" of HK's in each sinnet.

(g) Push 1 bead (1") up and tie 10" of HK's in each sinnet.

6. Use Double Half Hitch (DHH) to attach each sinnet to 6" ring, leaving equal spaces on ring between sinnet.

7. With one 3 yd. cord, tie 2" Wrap Knot (WK) around all cords under 6" ring.

8. Using Lark's Head Knot (LHK) attach



24 two yd. fringe cords to ring, tying 6 cords between each sinnet.

9. (a) Using 1 group of 12 fringe cords, tie 1 row of Square Knots (SK) using 3 groups of 4 cords each.

(b) Repeat Step 9a with remaining 3 groups of 12 cords.

10. Tie 1 row of 12 Alternating Square Knots (ASK), using 4 cords in each SK.

11. (a) Place 3 beads on each pair of ASK holding cords (1 brown- $\frac{1}{2}$ "; 1 amber-1"; 1 light green- $\frac{1}{2}$ ") and tie 1 SK under each set of beads.

12. Tie 1 row of 12 ASK's, using 4 cords in each ASK.

13. Using original 4 groups of 12 fringe cords :

(a) Tie 2 ASK's using 4 cords in each ASK.

(b) Tie 1 ASK with 4 center cords in each group.

(c) Using outside cords as holding cords, tie 1 row of Diagonal Double Half Hitches (Dia. DHH) on each side from outside to center.

14. (a) Place 1 bead ($1\frac{1}{4}$ " oval) on 2 holding cords at bottom point of Dia. DHH "V".

(b) Place 1 bead ($1\frac{1}{4}$ " oval) on 2 adjacent outside cords at top of each Dia. DHH "V".

15. Cut fringe 12" down from beads at top of "V".

16. Cut inside fringe 6" below outside fringe.

17. Place 2 beads (1 orange, 1 dk. brown) on each center fringe cord and tie Overhand Knot under beads. Clip-

**Materials:**

267 yds. 9 ply Cotton Roving or $7\frac{2}{5}$ jute ($\frac{1}{4}$ ")

Two - 2" or 3" rings (metal, wood, plastic or ceramic)

Two - 4" rings (bamboo, metal, or plastic)

Two - 6" rings (bamboo, metal, or plastic)

Beads (optional):

16 - $\frac{1}{2}$ " beads (holes must be large enough for 2 cords)

8 - 1" beads

8 - $\frac{1}{2}$ " beads

4 - 1" beads

Cut As Needed:

2 cords - 8 yds. each (holding cords)

4 cords - 20 yds. each (working cords)

40 cords - 5 feet each (fringe - 4" rings)

76 cords - 4 feet each (fringe - 6" rings)

2 cords - 1 yd. each

Finished length to bottom ring: 55"

Total finished length with fringe: 84"

Encore is a seductive, heavily fringed hanging ideal for use with large plants. To make sure Encore hangs evenly, carefully center each new ring with the one above and be sure the rings are horizontally level. Use of beads is optional. If you do not use beads, substitute enough Half Knots to replace inches of beads called for. Always mentally number the cords consecutively from left to right. Renumber cords after each step where original cord numbers have changed.

Section 1

1. Working from left to right, use Lark's Head Knot (LHK) to attach 8 yd. and 20 yd. cords to 2" ring in the following order: two 20 yd., two 8 yd., two 20 yd.

2. Using outside left and right long cords, tie 12 Half Knots (HK) around remaining cords.
3. Separate all cords into 4 groups of 3 cords each (two 10 yd. and one 4 yd.) and tie 2 Square Knots

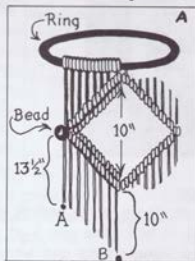
- (SK) with each group.
4. Double Half Hitch (DHH) all cords onto 2" ring. To cover ring, tie 1 more Half Hitch (HH) on each side of sinnet with outside sinnet cords.
 5. Tie 2 SK's with each group of 3 cords; make sure sinnets are even in length.
 6. IMPORTANT DHH each sinnet onto 4" ring. (Be sure to center 4" ring under 2" ring.)
 7. Use LHK to attach twenty 5 foot cords to attached 4" ring, tying 5 cords between each sinnet.
 8. With 1 yd. cord, tie 2" Wrap Knot (WK) around all 5 ft. cords, 3" down from 4" ring.
 9. Tie 2 SK's with each group of sinnet cords.
 10. IMPORTANT DHH each sinnet onto 6" ring. (Be sure to center 6" ring under 4" ring.)
 11. Using Over Hand Knot (OHK), tie one 4 foot cord to each working cord (tie at center of each 4 foot cord). Push OHK's as close to 6" ring as possible. Temporarily lift 4 foot cords up over rings and tie together with scrap cord.
 12. (a) Place beads on holding cord from one sinnet in following pattern: one 1", two 1/2", one 1", two 1/2", one 1".
 (b) Butterfly working cords and tie 27" HK sinnet.
 (c) Slip 3 beads up holding cord to last HK; tie 6 HK's beneath beads.
 (d) Slip 1 bead up and tie 6 HK's.
 - (e) Slip 3 beads up and tie 10 1/2" of HK's.
 13. Repeat Step 12 a-e for sinnet directly opposite.
 14. (a) Repeat Step 12 a and b.
 (b) Slip 2 beads up holding cord and tie 6 HK's.
 (c) Slip 3 beads up and tie 6 HK's.
 (d) Slip 2 beads up and tie 10 1/2" of HK's.
 15. Repeat Step 14 a-d for remaining sinnet. IMPORTANT Make sure sinnets are even in length.
 16. Use LHK to attach thirty-two 4 foot cords to 6" ring (at hanger top), 8 cords between each sinnet. Untie 4 foot cords tied with scrap cord.
 17. Divide fringe cords into 4 groups of 20 cords each (8 LHK plus 2 cords on each side).
 18. Working with one group of 20 cords:
 - (a) Mentally number cords 1-20, from left to right.
 - (b) Cross cords 10 and 11 to use as holding cords.
 - (c) Tie 1 row of Diagonal Double Half Hitches (Dia. DHH) on each side, working from center to outside. IMPORTANT Angles of each Dia. DHH must be of the same degree.
 19. Repeat Step 18 a, b, and c with remaining 3 groups of 20 cords.
 20. Slip 1 large-holed bead onto 2 holding cords at point where Dia. DHH's meet in "V".
 21. Renumber cords and repeat Step 18 b and c with each group of 20 cords.
 22. With 1 group of 20 cords:

- (a) Renumber cords 1-20.
 - (b) Using cords 3 and 18, tie 1 SK loosely over cords 4-19.
 - (c) Tie 1 row of Dia. DHH's on each side; use cords 2 and 19 as holding cords and work from outside to center.
 - (d) DHH 2 onto 19.
23. Use cords 1 and 20 as holding cords and tie 1 row of Dia. DHH's, working from outside to center.
 24. Repeat Steps 22 and 23, using group of 20 cords directly opposite.
 25. With 1 group of 20 cords:
 - (a) Renumber cords 1-20.
 - (b) Use cord 2 as holding cord and Dia. DHH cord 10 onto 2. Continue attaching with cords 9, 8, 7, 6, 5, 4, 3. (See Diagram B, below.)
 - (c) Use cord 19 as holding cord and Dia. DHH 11 onto 19. Continue attaching cords in the following order: 12, 13, 14, 15, 16, 17, 18.
 26. (a) Use cords 1 and 20 as holding cords and tie 1 row of Dia. DHH's on each side, working from outside to center.
 - (b) DHH 1 onto 20.
 27. Repeat Steps 25 and 26 with remaining group of 20 cords.

Section 2

28. (a) DHH 4 HK sinnetts onto second 6" ring, leaving 4 equal spaces between sinnetts.
 - (b) Tie OHK with each cord as close to ring as possible.
 29. (a) 2" down from 6" ring DHH sinnet holding cords onto 4" ring.
- IMPORTANT** Be sure 4" ring

- is centered inside 6" ring.
- (b) Tie OHK with each cord as close to 4" ring as possible.
30. Use LHK to attach twenty 5 foot cords to 4" ring, tying 4 cords between each holding cord.
 31. With 1 yd. cord tie 2" Wrap Knot around all 5 foot cords, 3" down from 4" ring.
 32. Using OHK, tie center of one 4 ft. cord to each sinnet holding cord. Push OHK up as close to 6" ring as possible.
 33. Repeat Steps 16 ~ 27.
 34. Cut fringes from 6" ring in a diagonal line from point A to point B. (See diagram A, below.)



- Bring 10 over 9-3 and DHH 10 onto 2 at point X.
- Bring 9 over 8-3 and DHH onto 2 - DHH cords 8-3 onto 2 in the same manner.





Section 1

Section 2

Section 3

Section 4

Section 5

Materials:152 yds. Jute Roving ($\frac{5}{16}$ ")

One - 4" ring (bamboo, plastic or metal)

40 unglazed ceramic beads with large hole

24 glazed ceramic beads with large hole

8 ceramic beads with hole large enough to hold four cords

(Use of beads is optional)

Cut as Needed:

4 cords - 22 yds. each (working cords)

2 cords - 10 yds. each (holding cords)

8 cords - 4 yds. each (fringe)

4 cords - 3 yds. each (wrap cords)

Finished length to ring: 5 feet

Total finished length with fringe: 7 feet

Bring a suggestion of "old Hawaii" into your home with this exotic plant hanging made from Jute Roving. This hanging is also effective made in 6 ply jute or tree rope (3 ply tarred sisal). Use of beads is optional - they can be used for color and texture highlights.

Section 1

1. Fold all 22 yd. cords and 10 yd. cords in half. Use one 3 yd. cord to tie Hanger Loop and Wrap Knot. (See Glossary, page 7.)
2. Butterfly the 8 long cords as working cords.
3. Separate cords into 4 groups of 2 working cords and 1 center holding cord each and tie 1 Square Knot Button (SKB) with each group. Rebundle working cords only, immediately after tying SKB.
4. (a) Leave $\frac{1}{4}$ " space and tie 5

Square Knots (SK) with each group.

- (b) Slip beads (1 unglazed, 1 glazed, 1 unglazed) on each center holding cord.
 - (c) Tie 2 SK's under beads in each group.
5. To form loop, follow procedure for tying SKB: put ends of all cords in group through $\frac{1}{4}$ " space (from front to back) and pull cords tight.
 6. Use one 3 yd. cord to tie 2" Wrap Knot around all cords;

pull each cord tightly to set wrap directly beneath tops of loops.

Section 2

7. Repeat Step 3.
8. (a) Leave $\frac{1}{4}$ " space and tie 6 SK's with each group of cords.
(b) Slip beads on center holding cord in same pattern as previous loops.
(c) Tie 2 SK's under beads in each group.
9. Repeat Steps 5 and 6.

Section 3

10. Repeat Step 3.
11. (a) Leave $\frac{1}{4}$ " space and tie 6 SK's with each group of cords.
(b) Slip beads on center holding cord in same pattern as previous loops.
(c) Tie 3 SK's under beads in each group.
12. Repeat Steps 5 and 6.

Section 4

13. Repeat Step 3.
14. Tie 7" Half Knot (HK) sinnet under each SKB.
15. (a) Slip 2 beads (1 unglazed, 1 glazed) on each center holding cord and tie 1 HK.
(b) Slip 1 large ceramic bead on each center holding cord (or on all 3 cords in each group if bead hole is large enough) and tie 1 HK.
(c) Slip 2 more beads (1 glazed, 1 unglazed) on each center holding cord and tie 2 6 $\frac{1}{2}$ " HK sinnet with each group of

cords.

Section 5

16. Attach all cords to 4" ring using Double Half Hitch (DHH). (Leave equal spaces between each sinnet.)
17. Tie 1 SKB with cords in each sinnet.
18. (a) Leave $\frac{1}{4}$ " space and tie 9 SK's under each SKB.
(b) Slip beads (1 unglazed, 1 glazed, 1 unglazed) on each center holding cord.
(c) Tie 5 SK's under beads in each group.
19. Repeat Step 5 and tie 1 SK beneath each loop.
20. Fold the eight 4 yd. fringe cords in half and attach each to ring with Lark's Head Knot (LHK), attaching 2 cords between each sinnet loop.
21. Using 2 cords as center holding cords and 2 as working cords, tie 1 SKB with each group of 4 fringe cords.
22. Slip one large ceramic bead on all cords under each SKB.
23. Cut fringe 30" below ring.

**Materials:**

- 405 yds. Tree Rope - three 5 lb. balls
- One - 2" ring (metal, or wood)
- One - 3" ring (metal, or plastic)
- Two - 6" rings (bamboo, metal, or plastic)
- 18 extra-large hole beads - two cords must fit through hole (ceramic, wood, or plastic)
- 72 large hole beads (ceramic, wood, glass, or plastic)

Cut As Needed:

- 21 cords - 9 yds. each
- 3 cords - 22 yds. each (working cords)
- 18 cords - 8 yds. each
- 2 cords - 3 yds. each (wrap cords)

Finished length to second 6" ring: 63"

Total finished length with fringe: 95"

This plant hanging was constructed out of heavy Tree Rope and uses a repeated pattern of Berry Knots to project an appealing sophistication. Many bead combinations are possible - we used plastic and ceramic. Just make sure the beads you choose have holes large enough for one or two cords to pass through. Refer to the Glossary, page 8, on Berry Knots before beginning the hanging.

Section 1

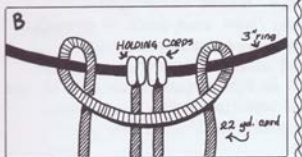
1. Using Lark's Head Knot (LHK), attach three 9 yd cords to 2" ring.
2. Tie 5 Square Knots (SK), using outside cord on each side as working cord and remaining 4 cords as holding cords.
3. Separate the cords into 3 groups of 2 cords each (holding cords) and Double Half Hitch (DHH) all cords onto 3" ring, leaving 3 equal spaces on
- ring (between each group).
- IMPORTANT:** SK sinnet must be centered over 3" ring.
4. Use LHK to attach three 22 yd. cords onto 3" ring, 1 over each group of 2 holding cords. One end of cord must end up on each side of holding cords. (See Diagram B, page 25.)
5. (a) Butterfly long cords (working cords) and divide all cords into 3 groups

- of 4 cords each (2 working and 2 holding cords).
- (b) Tie 5 SK's with each group of cords.
 6. (a) DHH all sinnets onto 6" ring, leaving 3 equal spaces on ring between each sinnet.
IMPORTANT 6" ring must be centered under 3" ring.
 - (b) Tie an Over Hand Knot (OHK) with each cord as close to 6" ring as possible.
 7. (a) Tie 18" SK sinnet with each group of 4 cords.
 - (b) Tie sinnets together at bottom with scrap cord.
 8. Using LHK attach eighteen 9 yd. cords to 6" ring, tying 6 cords between each sinnet.
 9. (a) Separate 1 group of 12 cords between sinnets into 3 groups of 4 cords each and tie 1 row of 3 SK's using 4 cords in each SK.
 - (b) Tie 1 row of 2 Alternating Square Knots (ASK).
 - (c) Tie 1 ASK using 4 center cords.
NOTE: Continue with this group of 12 cords for Steps 10-16.
 10. Tie 1 row of Diagonal Double Half Hitches (Dia. DHH) on each side from outside to center, using outside cords as holding cords.
 11. (a) Place 1 plastic bead on each holding cord and push beads up to last DHH.
 - (b) Place 1 ceramic bead onto the 2 holding cords and push bead up to plastic beads.
 - (c) Place 1 plastic bead on each holding cord and push beads up to the ceramic bead.
 12. Tie one 12 cord Berry Knot. (See Glossary, page 8.)
 13. Place 1 ceramic bead on 2 holding cords and tie one 12 cord Berry Knot.
 14. Repeat Step 11.
 15. Tie 1 row of Dia. DHH's on each side from center to outside using center cords as holding cords.
 16. (a) Again separate cords into 3 groups of 4 cords each and tie 1 SK using 4 center cords.
 - (b) Tie 1 row of 2 ASK's using 2 groups of 4 cords each.
 17. Repeat Steps 9 through 16 with each of the remaining 2 groups of 12 cords.
 18. (a) Remove scrap cord holding the 3 SK sinnets.
 - (b) Tie SK's on each sinnet until sinnets are horizontally even with last row of SK's in each panel.
 19. Working with the 12 cords from 1 panel, place cord 1 through last SK of sinnet to left of panel and place cord 12 through last SK of sinnet to right of panel. (See Diagram A, below.)



20. Repeat Step 19 with remaining 2 groups of 12 cords.
21. (a) Working with 12 cords from 1 panel, divide cords into 3 groups of 4 cords each.
- (b) Tie 1 row of 3 ASK's, using 3 groups of 4 cords each.
- (c) Tie 2 ASK's, using groups of 4

- DHH's as possible.
(b) Trim fringe 1/3" down from bottom
of wrap.



Materials:

- 100 yds. orange $\frac{5}{16}$ " braided tubular nylon
 One - $1\frac{1}{2}$ " or 2" ring (metal, wood, plastic, or ceramic)
 One - 2" ring (metal, wood, plastic, or ceramic)
 Five - 6" pieces of wire coat hanger
 10 beads that will fit tightly on wire ends
 60 assorted small beads (optional)

Cut As Needed:

- 8 cords - 9 yds. each
 2 cords - 8 yds. each
 12 cords - 1 yd. each (fringe cords)

Finished length to ring - 45"
 Total finished length with fringe - 60"

The plant hanging Indian Summer brings to mind a hint of the warm fall colors. It's crisp, geometric lines suggest a fine interpretation of traditional American Indian design. When making the hanging, always mentally number consecutively the cords from left to right 1-12. Renumber cords after each step, if cord placement was changed no matter where cords were previously. Use of beads is optional. If you do not use beads, substitute enough Square Knots to replace inches of beads called for.

Section 1

- Use Larks Head Knot (LHK) to attach 9 yd. cords to $1\frac{1}{2}$ " or 2" ring. Pin all LHK's securely to macramé board; butterfly all cords.

Note: Beginning at left, mentally number cords 1 through 16.

- Working left to right and following contour of the ring, tie 1 row of Double Half Hitches (DHH), using cord #1 as holding cord.
- (a) Using cords 1,2,3,4, tie 3 Square

Knots (SK).

- Place $\frac{1}{4}$ " of beads on cords 2 and 3.
 - Tie 3 SK's.
- Using cords 13,14,15,16, repeat Steps 3a, b, c.
 - (a) Using cords 5,6,7,8, tie 1 SK.
 (b) Place $\frac{1}{4}$ " of beads on cords 6 and 7.
 (c) Using cords 5,6,7,8, tie 5 SK's.
 (d) Repeat Step 5b.
 (e) Tie 1 SK.
 - Using cords 9,10,11,12, repeat Steps

5a - e.

NOTE: Sinnetts must be even in length. - add or remove knots, if necessary. Pin.

Section 2

7. Cut a 6" piece of wire coat hanger and DHH cords 1-16 onto wire.
8. (a) Tie 5 rows of Angling DHH's from center to left with cords 1-8, starting with cord #8 as holding cord.
(b) Tie 5 rows of Angling DHH's from center to right with cords 9-16, starting with cord #9 as holding cord.
9. Pin center of separate 8 yd. cord to board between cords 4 and 5 and DHH cords 1-8 onto new cord.
10. Pin center of second 8 yd. cord between cords 12 and 13 and DHH cords 9-16 onto new cord. (You should have 6 rows of DHH's on each side.)

NOTE: Cords are now numbered 1 through 20.

11. (a) Using cords 1, 2, 3, tie 3 SK's.
(b) Place $1\frac{1}{2}$ " of beads onto cord 2.
(c) Tie 3 SK's.
12. Using cords 18, 19, 20, repeat Steps 11 a, b, c.
13. Using cords 4, 5, 6, 7, tie 3" of Half Knots (HK).
14. Using cords 14, 15, 16, 17 tie 3" HK's.
15. (a) Using cords 8, 9, 10, tie 1 SK.
(b) Place $\frac{3}{8}$ " of bead(s) onto cord #8.
(c) Tie 1 SK.
(d) Place $1\frac{1}{4}$ " of bead(s) onto cord #8.
(e) Tie 1 SK.

16. Using cords 11, 12, 13, repeat Steps 15a - e.

17. (a) With cords 1-10, tie 4 rows of Diagonal Double Half Hitches (Dia. DHH) on each side from outside to center, using outside cords as holding cords.
(b) Using cord #1 as holding cord, Dia. DHH cords 2, 3, 4.
(c) Using cord #10 as holding cord, Dia. DHH cords 9, 8, 7.
(d) Using cord #1 as holding cord, Dia. DHH cords 2 and 3.
(e) Using cord #10 as holding cord, Dia. DHH cords 9 and 8.
18. IMPORTANT! Renumber cords on right side of hanger 1-10 and repeat Steps 17a - e.
NOTE: Renumber cords 1-20.
19. (a) Tie 5 rows of Angling DHH's from left to center with cords 1-10, starting with cord #1 as holding cord.
(b) Tie 5 rows of Angling DHH's from right to center with cords 11-20, starting with cord #20 as holding cord.

Section 3

20. Pin last row of DHH's to board so inside points meet and repeat Step 7 with cords 1-20.
21. (a) Loosely cross cords 1 and 20 under DHH's (to act as one holding cord) and DHH cords 2-19 tightly under previous row of DHH's. (See Glossary, page 6.)
(b) Pull ends of 1 and 20 until DHH row is even with row above and side loops disappear.

22. (a) Using cords 1, 2, 3, tie 4 SK's.
 (b) Place $2\frac{1}{4}$ " of beads onto cord #2.
 (c) Tie 4 SK's.
23. Using cords 18, 19, 20, repeat Steps 22 a, b, c.
24. (a) Using cords 4, 5, 6, tie 4" HK's.
 (b) Using cords 15, 16, 17, tie 4" HK's.
25. (a) Using cords 9, 10, 11, 12, tie 1 SK.
 (b) Place $\frac{3}{4}$ " of bead(s) onto cords 10 and 11.
 (c) Tie 1 SK.
 (d) Place $1\frac{1}{2}$ " of beads onto cords 10 and 11.
 (e) Repeat Steps 25 a, b, c.

Section 4

26. Repeat Step 7 with cords 1-20.
27. (a) Divide cords into 5 groups of 4 cords each and tie 2 SK's with each group of 4 cords.
 (b) With cords 3-18, tie 1 row of Double Alternating Square Knots (Double ASK).~ See Glossary, page 5.
 (c) With cords 5-16, tie 1 row of Double ASK's.
 (d) With cords 7-14, tie 1 row of Double ASK's.
 (e) With cords 9-12 tie 1 ASK.
28. Using outside cords on each side of hanger as holding cords, tie 2 rows of Dia. DHH's from outside to center. (Cross holding cords- 2nd row.)
29. Tie 1 SK using cords 9-12.
30. (a) Pin through last row of Dia. DHH's.
 (b) Measure down $2\frac{1}{2}$ " from SK and pin through cords 10 and 11.
 (c) Tie 1 SK using cords 9, 10, 11, 12.
31. Tie 2 rows of Dia. DHH's on each side of hanger from center to outside. (Cross holding cords- 2nd row)
32. Repeat Step 27 in reverse order (a, d, c, b, and a).

Section 5

33. Repeat Step 7 with cords 1-20.
34. Repeat Steps 22-29.
35. Measure down $15\frac{1}{2}$ " from SK and DHH all cords onto 2" ring in the following order:
 (a) starting with cord #1, DHH to front center of ring.
 (b) DHH cords 2-20 counter-clockwise around ring.
36. Leave equal amount of space on ring between cords 5 and 6, 10 and 11, 15 and 16, 20 and 1; LHK three 1 yd. cords to ring in each space.
37. Tie 8 rows of ASK's.
38. Tie $\frac{3}{4}$ " Wrap Knot over all cords using 2 cords from fringe. (See Glossary, page 7.)
39. Trim fringes $1\frac{1}{2}$ " down from wrap.
40. Trim wire $\frac{1}{16}$ " - $\frac{1}{8}$ " out from hanger side and glue bead onto each exposed wire ends.

6

Oklahoma Sunrise

Materials:

- 22 yds. orange $\frac{1}{8}$ " braided tubular nylon
 20 yds. yellow $\frac{1}{8}$ " braided tubular nylon
 40 yds. gold $\frac{1}{8}$ " braided tubular nylon
 One - 3" ring (metal, wood, plastic, or ceramic)
 One - 2" ring (metal, wood, plastic, or ceramic)
 16 beads (optional)

Cut:

- 2 orange cords - 10 yds. each
 2 yellow cords - 10 yds. each
 4 gold cords - 10 yds. each
 1 orange cord - 2 yds. (wrap cord)

Finished length to ring: 34" Total finished length: 45"

This colorful hanging has been created in orange, gold, and yellow. You may wish to change the color scheme to fit your personal decorating plans. To achieve a uniformity in the color scheme as you work with the three colors, follow this procedure: tie Square Knots on the left side of the hanger with the left cord first; reverse the tying procedure for Square Knots on the right side by tying with the right cord first.

Section 1

- Working from left to right, use Lark's Head Knot (LHK) to attach 10 yd. cords to 3" ring in the following order: 1 orange, 2 gold, 2 yellow, 2 gold, 1 orange. Pin all LHK's securely to macramé board; butterfly all cords.
- (a) Tie 5 Square Knots (SK) on left side of hanger using first 4 cords.
 (b) Tie 5 SK's on right side of

hanger using last 4 cords. (Remember to reverse tying procedure.)

- To tie 8 cords in center:
 - Tie 1 SK using 4 cords on left; tie 1 SK using 4 cords on right.
 - Tie 1 Alternating Square Knot (ASK) using 4 center cords.
 - Use outside cords as holding cords and, working from outside

- to center, tie 2 rows of Diagonal Double Half Hitches (Dia. DHH) on each side.
- (d) Tie 1 Square Knot Button (SKB) with 4 center cords.
 4. Working with all 16 cords now, use the outside cords on each far side of hanger as holding cords; tie 2 rows of Dia. DHH's on each side, from outside to center.
 5. Tie $2\frac{1}{4}$ " chain of Alternating Half Hitches (AHH) on each side of hanger, using 2 cords in each chain.
 6. Using adjacent 4 cords, tie 4 SK's next to each AHH chain. (Reverse tying procedure on right side.)
 7. Tie 1 SKB with remaining 4 center cords.
 8. Tie 2 rows of Dia. DHH's on each side of hanger from center to outside.
 9. Repeat Step 2.
 10. Using adjacent 2 cords, tie $2\frac{1}{2}$ " of AHH chain next to each SK sinnet.
 11. Tie $3\frac{1}{2}$ " Half Knot (HK) sinnet using remaining 4 center cords.
 12. Repeat Step 4.
 13. Tie 1 SKB using 4 center cords.
 14. Tie 1 SKB on each side of center SKB using adjacent 4 cords for each button. (Reverse tying procedure on right side.)
 15. Measure down $\frac{1}{2}$ " and, using outside cords as holding cords, tie 2 rows of Dia. DHH's on each side from outside to center.
 16. Repeat Step 5.

17. Using adjacent 4 cords, tie 1 SKB next to each AHH chain. (Reverse tying procedure on right side.)
18. Tie 2 rows of Dia. DHH's on each side of hanger, from center to outside.
19. Repeat Steps 13 and 14.
20. Repeat Step 8.
21. (a) Tie 1 SK using 4 center cords.
(b) Tie 1 row of 2 ASK's, using 4 cords in each ASK. (Reverse tying procedure on right side.)
(c) Tie 1 row of 3 ASK's.

Section 2

22. Tie 14" HK sinnet on each side of hanger, using 4 outside cords per sinnet.
23. With remaining cords, tie 1 row of 2 ASK's. (Reverse tying procedure on right side.)
24. Tie 1 ASK with 4 center cords.
25. Tie 3 rows of Dia. DHH's on each side from outside to center, using outside cords as holding cords.
26. Using 4 cords in each sinnet, tie $12\frac{1}{2}$ " of HK's. All sinnets must be even in length - add knots if necessary.
27. Divide cords in each sinnet into 2 groups (use 1 of each color in each group) and tie $4\frac{1}{2}$ " AHH chain with each group. (8 chains).
28. (a) Take 1 AHH chain from left and right sinnets and tie 10 SK's, using same color cords as working cords.
(b) Take remaining AHH chain from

- left sinnet and 1 AHH chain from left center sinnet and tie 10 SK's, using differently colored cords as working cords. Repeat on other side.
- (c) Take remaining 2 AHH chains from center sinnets and tie 10 SK's, using same color cords as working cords.
29. Attach all cords to 2" ring, using Double Half Hitch (DHH).
30. With the 2 yd orange cord, tie a Wrap Knot (WK) 2" in length around all cords. (Pull each cord separately and gently to center the knot beneath the ring.)
31. (Optional) Attach one bead to each fringe cord 9" below WK. Tie an Overhand Knot (OHK) tightly below each bead and dip. Dip ends in clear-drying glue.

Materials:

- 52 yds. dark brown jute - 5 ply - 5mm or $\frac{3}{16}$ " approx.
 48 yds. natural jute - $\frac{48}{5}$ ply - 5mm or $\frac{3}{16}$ " approx.
 60 yds. white soft cotton cable - #60

- Two - 12" wooden dowels
 1 piece weathered wood 19" - 26" long ($1\frac{1}{4}$ " x $\frac{3}{4}$ ")
 One - 4" ring (bamboo, metal, or plastic)
 One - 3" ring (metal, wood, plastic, or ceramic)

Cut as needed:

- 8 brown jute cords - $\frac{1}{2}$ yd. each (holding cords)
 4 brown jute cords - 12 yds. each
 4 natural jute cords - 12 yds. each
 4 white cable cords - 12 yds. each
 4 white cable cords - 3 yds. each (fringe)

- finished length to top ring - 39"
 total finished length with fringe - 58"

The Wood Nymph (a goddess of the woods) reigns in a misty land of snow capped mountains - a quality captured in this hanging. It should be worked on a gridded macramé board to insure perfectly horizontal Double Half Hitches. (Refer to Glossary for diagram on Angling Double Half Hitches.) When making the hanging, always mentally number the cords consecutively from left to right. It is very IMPORTANT you renumber all cords after each step, if cord placement has changed, no matter where the cords were in previous steps - numbering is always 1 through 24, from left to right.

Section 1

- Working from left to right, use Larks Head Knot (LHK) to attach all 12 yd. cords to weathered



- wood in the following order -
 2 dark brown jute, 2 natural jute,
 4 white cable, 2 natural jute,
 2 dark brown jute.

2. (a) Pin work securely to macramé board; butterfly all cords.
 (b) Knot 1 end of a $\frac{1}{2}$ in. holding cord, leaving a 1" tail. Pin to board at left of LHK cords and tie 1 row of Double Half Hitches (DHH) from left to right.
 (c) Knot right end of holding cord as close to last DHH as possible. Leaving 1" tail, clip excess.
 (d) Repeat Step 2 b and c.
3. (a) Tie 1 row of 6 Square Knots (SK) using 6 groups of 4 cords each.
 (b) Tie 1 row of 5 Alternating Square Knots (ASK) using 5 groups of 4 cords each. (Reverse SK tying procedure on right side - see descriptive paragraph - Oklahoma Sunrise.)
 (c) Repeat Step 3 a.
4. Repeat Step 2 b, c, and d.

Section 2

5. Working left to right, DHH all cords onto 12" dowel.
6. (a) Separate cords into 2 groups of 12 cords each.
 (b) Mentally number cords 1 through 24, from left to right.
 (c) Tie 4 rows of Angling Double Half Hitches (Angling DHH) on each side. Work from center to outside, using cord #12 as holding cord on left and cord #13 as holding cord on right.
7. (a) Drop cords 9, 10, 11, 12, from left group of cords (cords should all be of the same color).
 (b) Working with cords 1-8, tie 4 rows of Angling DHH's from right to left, starting with cord 8 as holding cord.
 (c) Drop cords 13, 14, 15, 16 from right group of cords (cords should all be of the same color).
 (d) Working with cords 17-24, tie 4 rows of Angling DHH's from left to right, starting with cord 17 as holding cord.
8. (a) Tie 8 rows of Angling DHH's with left group of cords 1-8, from left to right, starting with cord #1 as holding cord.
 (b) Tie 8 rows of Angling DHH's with right group of cords 17-24, from right to left, starting with cord #24 as holding cord.
9. (a) Tie 4 rows of Angling DHH's using cords 9, 10, 11, 12 (previously dropped in Step 7 a), from left to right, starting with cord #9 as holding cord.
 (b) Tie 4 rows of Angling DHH's using cords 13, 14, 15, 16 (previously dropped in Step 7 c), from right to left, starting with cord #16 as holding cord.
 (c) Tie 1 Square Knot Button (SKB) using cords 11, 12, 13, 14.
 (d) Working with cords 9-16, tie 1 row of DHH's from right to left, using cord 16 as holding cord.
 (e) Tie 1 row of DHH's from left to right, using holding cord from previous row.
 (f) Tie 2" Half Knot (HK) sinnet,

using cords 9, 10, 11.

- (g) Tie 2" HK sinnet, using cords 14, 15, 16.
 - (h) Tie one row of DHH's from left to right, using cord #9 as holding cord.
 - (i) Tie one row of DHH's from right to left, using holding cord from previous row.
10. Repeat Step 5.

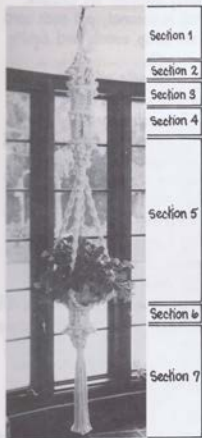
Section 3

11. Repeat Steps 2 a-d, 3 a-c, and 4.
12. (a) Using cords 1, 2, 3, 4, tie 24" HK sinnet.
(b) Using cords 21, 22, 23, 24, tie 24" HK sinnet.
13. (a) Using cords 5, 6, 7, 8, tie 23½" SK sinnet.
(b) Using cords 17, 18, 19, 20, tie 23½" SK sinnet.
14. (a) Using cords 9-16, tie 16 rows of Double Alternating Square Knots (Double ASK), using groups of 4 cords each. (Double ASK means 2 SK's per group. (See Glossary, page 5.)
(b) Using 2 groups of 4 cords each, tie 9½" SK sinnets with each group.
15. (a) DHH both HK sinnets to front of 4" ring.
(b) Use Reverse Larks Head Knot (Reverse LHK) to attach one 3 yd. fringe cord to ring on each far side of HK sinnets; tie 1 Half Hitch on each side of Reverse LHK. (See Glossary, page 4.)

- (c) DHH one 23½" SK sinnet to ring next to Reverse LHK on each side. (Cords 5-8 and 17-20)
- (d) Reverse LHK one 3 yd. cord to ring next to each SK sinnet; tie 1 Half Hitch on each side of Reverse LHK.
- (e) DHH center back panel with SK sinnets to back of ring (cords 9-16).

Section 4

16. (a) Beginning with 4 cords from left SK sinnet, tie 1 row of Double SK's around ring.
(b) Tie 3 more rows of Double ASK's, using 4 cords in each group.
17. DHH every other group of SK's to 3" ring.
18. Tie 1 SKB with each group of 4 cords that you attached to ring.
19. Separate ply's in each cord (unwind) and cut fringe to 14" below 3" ring.
20. Attach eye hooks to top of piece of weathered wood on each side of row of LHK's. Hang plant hanging with chain.

**Materials:**

265 yds. 9 ply Cotton Roving (1/4")
Six- 4" rings (bamboo, plastic, or metal)

Cut:

16 cords - 16 yds. each
3 cords - 3 yds. each (wrap cords)

Finished length to bottom ring: 4½ feet
Total finished length with fringe: 7 feet

Gazebo combines the elegance of sculptured design with highly textured panels to create a formal hanging for large plants. We suggest you use a plant that does not hang over the lower panels, such as a Piggy Back. If you wish to use cord other than Cotton Roving, 7/8 ply Jute, #60 Soft Cotton Cable, or 3 ply Tarred Marlin are good substitutes.

Section 1

1. Fold all 16 yd. cords in half and use one 3 yd. cord to form Hanger Loop and Wrap Knot. (See Glossary, page 7.) After wrap is secure, tighten Hanger Loop by pulling each cord tight, one at a time.
2. Butterfly all cords.
3. Separate all 32 cords into 8 groups of 4 cords each and tie 8 Half Knot (HK) sinnets 4" long.

Section 2

4. Attach all cords to first ring, using

Double Half Hitches (DHH's).

5. Using same groups of 4 cords, tie 1 Square Knot Button (SKB), 7 HK's, and 1 SKB with each group.

Section 3

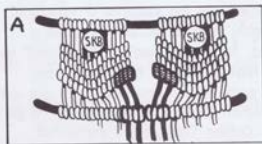
6. Attach all cords to second ring, using DHH's.
7. Using every other group of 4 cords, tie 1 SKB.
8. Working with 8 cords (2 cords on each side of SKB and 4 cords of SKB itself), tie 4 rows of Diagonal Double Half Hitches (Dia. DHH); Using outside cords as holding

cords and working from outside to center, tie 4 rows of Dia. DHH's on each side.

9. Divide remaining 24 cords into 3 groups of 8 cords each and repeat Step 8 with each group.

Section 4

10. Attach all cords to third ring using DHH's.
11. Using 4 cords as shown in Diagram A, below (2 from each side of two Dia. DHH panels), tie 1 SKB.



12. Working with 8 cords (2 cords on each side of SKB and 4 cords of SKB), and using outside cords as holding cords, tie 5 rows of Dia. DHH's from outside to center on each side.
13. With remaining 24 cords, repeat Step 11 and Step 12 three times for 3 more panels of Dia. DHH's.

Section 5

14. Attach all cords to fourth ring, using DHH's.
15. Referring to Diagram A, above, as starting point, tie 8 SKB's around ring, using different group of 4 cords for each.
16. Tie 4" HK sinnet under each button.
17. **IMPORTANT** Tie a separate piece of cord around every 2 groups of 4

cords about 12" down from HK sinnets.

18. Using second 3 yd. cord, tie a Wrap Knot directly beneath HK sinnets. After wrap is secured, pull each cord tight to set wrap evenly and tightly under 8 sinnets.
19. **IMPORTANT** Unbundle all 8 cords of one group tied with separate cord. Butterfly 2 longest cords and use as working cords for tying 2 1/2" HK sinnet (remaining 6 cords are center holding cords).
20. Repeat Step 19 with remaining 3 groups of cords.
21. Separate 8 cords of 1 HK sinnet into 2 groups of 4 cords each. **IMPORTANT:** Using 2 longest cords from 1 group as working cords, tie 4 1/2" HK sinnet, repeat with remaining group of 4 cords.
22. Repeat Step 21 with remaining three 2 1/2" sinnets.

Section 6

23. Attach all cords to fifth ring using DHH's.
24. Using 4 cords as shown in Diagram B, tie 1 SKB.
25. Repeat Step 12.
26. Repeat Steps 24 and 25 for 3 more panels.



Section 7

27. Attach all cords to sixth ring using DHH's.
28. Repeat Step 15.
29. **IMPORTANT:** Using longest cords from each SKB as working cords, tie 4" HK sinnet under each SKB.
30. Repeat Step 18 with third 3 yd. cord.
31. Cut fringe to 17".

Section 3
Section 2

Section 1

Section 2
Section 3**Materials:**

- 196 $\frac{1}{2}$ yds. natural jute 7 ply- 7mm or $\frac{1}{4}$ "
 68 yds. orange jute 5 ply- 5 mm or $\frac{3}{16}$ "
 186 yds. dark brown jute 5 ply- 5 mm or $\frac{3}{16}$ "
 Two - $1\frac{1}{2}$ " rings (metal, wood, or plastic)
 Two - $\frac{3}{4}$ " x $1\frac{1}{4}$ " x 32" pieces of wood or heavy wooden dowel
 64 amber, clear glass or plastic beads - $\frac{1}{2}$ "
 26 multi-stripped glass beads - $\frac{1}{2}$ "
 6 orange glass or wood beads - $\frac{1}{2}$ "
 3 oval olive wood - $1\frac{1}{2}$ " long
 (beads are optional)

Cut As Needed:

- 12 natural cords - 10 yds. each
 6 natural cords - 5 yds. each
 6 natural cords - $5\frac{1}{2}$ yds. each
 6 orange cords - 5 yds. each
 2 orange cords - 17 yds. each
 18 brown cords - 5 feet each (holding cords)
 2 natural cord - 2 feet each (holding cords)
 12 brown cords - 12 yds. each
 6 natural cords - 2 yds. each (wrap cords)
 2 orange cords - 2 yds. each (wrap cords)
 6 brown cords - 2 yds. each (wrap cords)

Total finished length : 5 feet

Width across top : 26"

Fiesta is a hanging designed to hold three 6" pots. It doubles as a wall-hanging or can be very effective as a room divider. We suggest you use a 1" grid on your macramé board. Be sure to measure panels as you work - tension sometimes varies and you must make sure sections in the panels are the same length. Use of beads is optional. If you do not use beads, substitute enough Square Knots to replace inches of beads called for. Always mentally number the cords consecutively from left to right. Renumber cords after each step where original cord numbers have changed. (Jute Well cord ($\frac{9}{32}$ ") is a good substitute for the 7 ply jute.)

Section 1


- Working from left, use Lark's Head Knot (LHK) to attach 18 natural jute cords to piece of wood ($8\frac{1}{2}$ " in from left end of wood) in the following order: six 10 yd., six 5 yd., six 10 yd.
- (a) Leaving 22" tail on left end of cords, pin 3 brown 5 feet holding cords to macramé board under LHK's, to left of natural cords.
(b) Working left to right, Double Half Hitch (DHH) all natural cords. (Three brown cords act as one holding cord.)
- Repeat Step 2a and b, twice.
- Place beads on cords as shown below. Use only one cord per group of beads.



Bead placement order: 1 amber, 1 multi-striped, 1 amber.

- (a) Knot left end of 1 natural 2 foot cord (Leaving 5" tail on knotted end) and pin to board at left under beads.
(b) DHH all natural cords, working left to right.
(c) Knot right end of holding cord close to last DHH and clip ends of cord.
- (a) Mentally number cords 1-3b, from left to right.
(b) Divide left twelve cords (1-12) into 3 groups of 4 cords each and tie 1 Square Knot (SK) with each group.
(c) Tie 1 row of 2 Alternating Square

Knots (ASK) using 2 groups of 4 cords each.

- (d) Tie 1 ASK using 4 center cords.
- Tie 2 rows of Diagonal Double Half Hitches (Dia. DHH) on each side from outside to center, using cords 1 and 12 as holding cords.
- Cross holding cords.
(b) Tie 2 rows of Dia. DHH's from center to outside, using cords 6 and 7 as holding cords. (Cross holding cords in second row.)
- (a) Using cords 5, 6, 7, 8, tie 1 SK.
(b) Tie 1 row of 2 ASK's, using 2 groups of 4 cords each.
(c) Tie 1 row of 3 ASK's, using 3 groups of 4 cords each.
- (a) Loosely cross cords 1 and 12 over cords 2-11 (to act as one holding cord) and DHH cords 2-11. (See Glossary, page 6.)
(b) Pull ends of cords 1 and 12 until row of DHH's sits tightly beneath ASK's and side loops disappear.
- Place beads on cords as shown:
Bead placement cords 2 and 11: 
1 amber,
1 multi-striped, 1 amber; cords 4 and 9 - 1 amber, 1 orange, 1 amber;
cords 6 and 7 - 1 oval olivewood.
- (a) Repeat Step 10a.
(b) Pull ends of cords 1 and 12 until row of DHH's sits tightly beneath beads.
- Repeat all of Steps 6b-10b.
- Renumber cords 25-36 (right twelve cords) as 1-12, from left to right, and repeat Steps 6b-13.

15. (a) Renumber cords 13 through 24 (center twelve cords) as 1-12, from left to right.
 (b) Separate twelve cords into 3 groups of 4 cords each and tie 1 SK with each group.
 (c) Tie 1 row of 2 ASK's using 2 groups of 4 cords each.
 (d) Tie 1 ASK using 4 center cords.
16. Tie 2 rows of Dia. DHH's on each side from outside to center, using cords 1 and 12 as holding cords.
17. (a) Using cords 5, 6, 7, 8 (four center cords), tie 8 SK's.
 (b) Using cords 1, 2, 3, 4, tie 10 SK's.
 (c) Using cords 9, 10, 11, 12, tie 10 SK's.
Note: Sinnet's must be even in length - add or remove knots if necessary.
18. **Flower Pot Basket** - Steps a, b, and c, below, should be tied $5\frac{1}{2}$ " down from SK sinnet's. (See Sampler, page 9.)
 (a) Using cords 3, 4, 5, 6, tie 1 SK.
 (b) Using cords 7, 8, 9, 10, tie 1 SK.
 (c) Using cords 1, 2, 11, 12, tie 1 SK.
19. Steps a, b, and c, below, should be tied 2" down from last SK's - (Step 18 a, b, and c).
 (a) Using cords 1, 2, 3, 4, tie 1 SK.
 (b) Using cords 5, 6, 7, 8, tie 1 SK.
 (c) Using cords 9, 10, 11, 12, tie 1 SK.
20. (a) With 1 natural 2 yd. cord tie $1\frac{1}{2}$ " Wrap Knot (WK) $1\frac{1}{2}$ " down from last row of SK's.
 (b) Cut fringe 9" down from bottom of wrap. Separate ply's of each cord (unwind).
21. DHH cords 1-12 and cords 25-36 to second piece of wood.
Note: If using flat piece of wood,

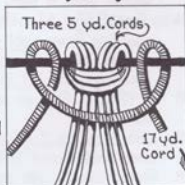
DHH must be tied close to the top backside of wood to prevent wood from leaning forward.

22. Use LHK to attach 6 natural $5\frac{1}{2}$ yd. cords to second piece of wood between left and right panels.
23. Using cords 1-36, repeat Steps 2-5.
24. Using left cords 1-12, repeat Steps 15b-20b.
25. Renumber cords 25-36 (right twelve cords) as 1-12 and repeat Steps 15b-20b.
26. (a) Renumber cords 13-24 as 1-12 and repeat Steps 6b-12.
 (b) Repeat Steps 6b-9 with cords 1-12.
27. (a) Using 4 center cords, tie 2 SK's.
 (b) With 1 natural 2 yd. cord, tie $1\frac{1}{2}$ " Wrap Knot around 4 center cords.
 (c) Cut fringe 9" down from bottom of wrap and separate ply's of each cord (unwind).
28. Repeat Steps 27 b and c for left and right group of 4 cords.

Section 2

29. (a) Use LHK to attach 3 orange 5 yd. cords to $1\frac{1}{2}$ " ring (using 3 cords as one cord).

- (b) LHK one orange 17 yd. cord to ring and pull all cords



right. (See diagram, previous page.)

30. Tie 5 Half Knots (HK) ~ 2 long cords as working cords tied around remaining 6 holding cords.
31. (a) Pin HK sinnet to left of completed center natural jute panels.
(b) Working from right to left, DHH sinnet cords to first piece of wood in the following order:
1 working cord, 6 holding cords, 1 working cord.
32. Working from right to left, tie 3 rows of DHH's onto brown holding cords (See Step 2) using same groups of holding cords in each row.
33. Tie 21" (approx.) HK sinnet.
34. Repeat Steps 29 ~ 33 on right side. Pin HK sinnets to right of completed center natural jute panels and tie DHH's from left to right.
Note: Sinnets must be even in length with completed center panels ~ add or remove knots if necessary.
35. (a) Repeat Step 31 b with left sinnet on second piece of wood.
(b) Working from left to right, repeat Step 31 b with right sinnet on second piece of wood.
36. (a) Repeat Step 32 with left sinnet working from right to left.
(b) Repeat Step 32 with right sinnet working from left to right.
37. Tie 15 1/2" of HK's on left and right side.
38. With 1 orange 2 yd. cord tie 1" Wrap Knot around left HK sinnet.
39. Repeat Step 38 with right HK

sinnet.

40. Cut fringes 9" down from bottom of wrap and separate ply's of each cord (unwind).

Section 3

41. Use LHK to attach 6 brown 12 yd. cords to top piece of wood (to left of completed panels).
42. Working from right to left, tie 3 rows of DHH's onto brown holding cords from completed panels. (See Step 2.)
43. (a) Divide cords into 3 groups of 4 cords each and tie one SK with each group.
(b) Tie 1 row of 2 ASK's, using 2 groups of 4 cords each.
(c) Tie 1 SK, using 4 center cords.
44. Tie 2 rows of Diag. DHH's on each side from outside to center, using outside cords as holding cords.
45. Tie 2 rows of Dia. DHH's on each side from center to outside, using center cords as holding cords. (Cross holding cords in second row.)
46. (a) Using 4 center cords, tie 1 SK.
(b) Tie 1 row of 2 ASK's, using 2 groups of 4 cords each.
(c) Tie 1 row of 3 ASK's, using 3 groups of 4 cords each.
(d) Tie 1 row of 2 ASK's, using 2 groups of 4 cords each.
(e) Tie 1 SK, using 4 center cords.
47. Tie 2 rows of Dia. DHH's on each side from outside to center, using outside cords as holding cords.
48. Tie 2 rows of Dia. DHH's on each side from center to outside, using

center cords as holding cords.
(Cross holding cords in second row.)

49. (a) Using 4 center cords tie 1 SK.
(b) Tie 1 row of 2 ASK's, using 2 groups of 4 cords each.
(c) Tie 1 row of 3 ASK's, using 3 groups of 4 cords each.
50. Loosely cross outside cords over remaining cords (to act as one holding cord) and DHH cords.
(See Glossary, page 6.)
51. Tie 6 rows of ASK's starting with 3 groups of 4 cords.
52. Repeat Step 50.
53. Repeat Steps 43 ~ 49.
54. Working from right to left DHH all cords onto second piece of wood.
55. Repeat Step 42.
56. Repeat Steps 43 and 44.
57. Repeat Steps 45, 46, and 47 three times.
58. With 1 brown 2 yd. cord tie 1" Wrap Knot around all cords.
59. Cut fringes 9" down from bottom of wrap and separate plys of each cord (unwind).
60. Repeat all of Steps 41 - 59 for brown panel on right side of hanger, working from left to right.
61. With 4 brown 2 yd. cords, tie 1" Wrap Knot around each set of 3 brown holding cords (running from far left to far right side of hanger).
62. Cut fringe to 13" from bottom of wrap and separate ply's of each cord (unwind).

Materials:

244 yds. red jute (5 ply, 5 mm.)

587 yds. orange jute (5 ply, 5 mm.)

188 yds. sun gold jute (5 ply, 5 mm.)

One - 6" ring (bamboo, metal, or plastic)

One - 19" or 20" ring (metal and welded at joint)

Five - 4" rings (bamboo, plastic or metal)

One - 12" ring (metal and welded at joint)

24" square macramé board

Clear drying glue

24" piece of 14 gauge brass wire and pliers

Cut As Needed:

(Hanger Loop and Four Plant Holders)

4 orange cords - 44 yds. each

4 orange cords - 16 yds. each

1 orange cord - 3 yds.

16 orange cords - 12 yds. each

32 red, 32 orange, and 32 gold cords - 2 1/4 yds. each

4 red cords - 2 yds. each

(Sculpture)

8 red cords - 6 1/2 yds. each

8 orange cords - 5 yds. each / 8 orange cords - 10 yds.

8 red cords - 5 yds. each

8 red cords - 9 yds. each

8 gold cords - 9 1/2 yds. each / 8 gold cords - 5 yds.

8 orange cords - 10 yds. each

Finished length of small plant holders: 54"

Total finished length of plant hanging with fringe: approximately 8 feet

Carousel is a spectacular macramé hanging sculpture that should be attempted only after you have become skillful at knot-tying. This hanging sculpture has four small plant holders attached. Be sure to use equal weight pots for plants so Carousel will hang evenly. As jute will stretch, use small pots - 4" to 6" fern pots work well. Exercise patience as you work.

this hanging, taking time to carefully center rings and measure sinnets. Braided Tubular Nylon ($\frac{1}{8}$ ") and $\frac{1}{8}$ " Jute Welf cord will work beautifully as substitutes.
Note: 14 gauge brass wire has been tied into the hanger loop for added strength.

Hanger Loop and Four

Plant Holders

1. Fold 4 orange 14 yd. cords, 4 orange $\frac{1}{8}$ yd. cords, and one 24" piece of wire in half.
2. Using 1 orange 3 yd. cord, tie Hanger-Loop and Wrap Knot (WK) around cords and wire. (See Glossary, page 7.)
3. Butterfly cords (tie piece of scrap cord around each 8 yd. bundle for identification), and separate all 16 cords into 4 groups of 4 cords each (two 8 yd. working cords and two 7 yd. holding cords).
4. (a) Bend wire ends at right angles to loop and tie 4" Square Knot (SK) sinnet with 1 group of 4 cords and 1 wire end, placing wire between 2 holding cords.
 (b) Repeat Step 4.(a) with opposite group of 4 cords and second wire end.
 (c) Tie two 5" sinnets with remaining groups of 4 cords.
5. (a) Pin sinnets to board at right angles to each other, place 6" ring over sinnets and Double Half Hitch (DHH) 5" sinnets to ring.
IMPORTANT: Hanger loop must be centered over 6" ring.
 (b) Use pliers to twist wires from each 4" sinnet once around 6" ring, working from back to front. Lightly twist wire end 2 or 3 times around exposed sinnet wire.

(See diagram, below.)



6. To complete 4" sinnets, tie 1" more on each sinnet over wire and holding cords and DHH both sinnets onto 6" ring.
7. Tie four 7 $\frac{1}{4}$ " SK sinnets with each group of cords.
IMPORTANT: Make sure sinnets are even in length.
8. (a) Pin sinnets to board; place 20" ring over sinnets and DHH sinnets onto ring.
IMPORTANT: 6" ring must be centered within 20" ring.
 (b) Tie an Overhand Knot (OHK) with each cord, as close to 20" ring as possible.
9. Use Lark's Head Knot (LHK) to attach 2 orange 12 yd. cords to 20" ring on each side of 1 sinnet. Butterfly cords.
10. (a) Pin group of 12 cords to top of macramé board, mentally number cords 1-12, and separate cords into 3 groups of 4 cords each.
 (b) Tie 1 SK with each group.
 (c) Dropping outside cords 1 and 12 tie 1 row of DHH's on each side

from center to outside.

- (d) Using cords 1-3, tie 1 SK.
(e) Using cords 10-12, tie 1 SK.
(f) DHH cords 5 onto 6 and 8 onto 7.
(g) Using cords 4-6 and 7-9, tie 1 SK with each group.
(h) Using center cords, tie 1 SK.
11. Tie 3 rows of Diagonal Double Half Hitches (Dia. DHH) on each side from outside to center, using outside cords as holding cords.
IMPORTANT: Cross holding cords in each row.
12. Tie 1 row of Dia. DHH's on each side from center to outside, using 2 center cords as holding cords.
13. Divide 12 cords into 2 groups of 6 cords each and tie 2 rows of Dia. DHH's with 6 cords on each side, from center to outside.
IMPORTANT: Do not cross holding cords.
14. Beginning with Step B in Diagram 16 on page 8, tie one 12 cord Berry Knot.
15. Repeat Steps 11, 12, and 13.
NOTE: Tie scrap cord through Hanger Loop and hang loop from ceiling so that hanger is at comfortable working level. Continue with same group of 12 cords.
16. Separate cords into 4 groups of 3 cords each and tie 24" Half Knot (HK) sinnet with each group.
17. Wrap left center sinnet a full turn around right center sinnet, so that HK grooves fit together. To keep

center sinnets in place, tie with scrap cord.

18. DHH outside sinnets to front of 6" ring and center sinnets to back of ring, leaving 4 equal spaces.
19. (a) Tie four 5 1/2" SK sinnets with sinnet cords and temporarily pin SK sinnets up out of the way.
(b) Using Reverse LHK, attach six 2 1/4 yd. cords to 4" ring between 2 sinnets in the following order: 1 red, 1 gold, 2 orange, 1 gold, 1 red.
(c) Repeat Step b in 3 remaining spaces on ring.
(d) If ring is not completely covered, tie Half Hitch (HH) around ring with far left and far right orange cords in each group of 12 cords. (See Diagram B, below.)



20. (a) Using 4 orange center cords in 1 group of 12 cords, tie 1 SK.
(b) Separate remaining cords into groups of 4 cords each and finish tying 1 row of SK's around ring.
(c) Tie 4 rows of Alternating Square Knots (ASK) using 4 cords in each ASK.
21. (a) Unpin 5 1/2" SK sinnets and pin last SK of each sinnet to red holding cords behind sinnets.

- (b) Using red working cords tie 1 SK around 3 orange sinnet cords and 2 red holding cords.
22. (a) Using 8 cords between each sinnet, tie 1 SK with each group of 4 cords.
- (b) With 4 center cords between each sinnet, tie 1 SK.
- (c) Trim orange sinnet and red fringe cords 13" down from last SK (do not include these cords with Wrap Knot.)
23. With red 2 yd. cord, tie $1\frac{1}{2}$ " Wrap Knot around all cords and trim fringe 15" down from bottom of wrap.
24. Repeat Steps 9-23 with each of the remaining 3 groups of cords.

Sculpture

NOTE: Mentally label 4 sections of hanger between 4 orange SK sinnets as A-D, going from left to right. (Pin slip of paper onto hanger loop facing Section A.) Always butterfly cords after attaching to either 6" or 20" ring.

25. Using LHK, attach Section A cords from left to right on 6" ring in following order. (Fold cords in half to attach, unless otherwise specified.)
- (a) 1 red - 5 yds.
- (b) 1 red - 9 yds. Measure cord 2 yds. and 28" from one end and fold to attach. (See diagram D, page 47.)
- (c) 1 orange - 10 yds.
- (d) 1 gold - 5 yds.
- (e) 1 red - $6\frac{1}{2}$ yds. Measure cord

3 4" from one end and fold to attach. (See diagram C, page 47.)

- (f) 1 red - $6\frac{1}{2}$ yds. Measure cord 3 4" from one end and fold to attach. (See diagram E, page 47.)
- (g) 1 gold - 5 yds.
- (h) 1 orange - 10 yds.
- (i) 1 red - 9 yds. Measure cord 2 yds. and 28" from one end and fold to attach. (See diagram D, page 47.)
- (j) 1 red - 5 yds.
26. Butterfly cords.
27. Repeat Step 25 a-j with Sections B, C, D.
28. DHH all cords onto 20" ring.
29. Working left to right, use Reverse LHK to attach following Section A cords to 20" ring between DHH'd cords - carefully follow Diagram C on page 47 for cord placement. HH around ring with left and right cords of each Reverse LHK.
- (a) 1 gold - $9\frac{1}{2}$ yds.
- (b) 1 orange - 10 yds.
- (c) 1 orange - 5 yds.
- (d) 1 orange - 5 yds.
- (e) 1 orange - 10 yds.
- (f) 1 gold - $9\frac{1}{2}$ yds.
30. Butterfly cords.
31. Repeat Step 29 with Sections B, C, D.
32. (a) Using each group of 4 center red cords in each section, tie 4 11" HK sinnets.
- IMPORTANT: Sinnets must be even in length.

- (b) DHH sinnetts onto 12" ring.
33. DHH remaining cords to 12" ring and tie OHK with each cord as close to ring as possible.
IMPORTANT: 12" ring must be centered under 20" ring.
34. (a) Using each group of 12 orange cords to left and right of red HK sinnetts in each section, tie eight 1 1/4" Alternating Half Hitch (AHH) chains.
- (b) Using cords from 2 chains and 1 HK sinnet, tie 2 rows of Dia. DHH's on each side from outside to center, using outside cords as holding cords.
- (c) Repeat with 3 remaining groups of two chains and 1 HK sinnet,
- (d) Turn DHH point up so that back-side faces you. Glue left cords onto DHH's and right cords onto left cords. Trim cords so that ends do not show past DHH's. When glue is dry, temporarily pin each DHH point up onto 12" ring.
35. Turn hanger so that Section A is facing you:
- (a) Divide 12 cords to left of AHH chains into 3 groups of 4 cords each.
- (b) Tie 1 row of 3 SK's working from left to right, using 4 cords in each SK.
- (c) Tie 1 row of 2 ASK's using 2 groups of 4 cords each.
- (d) Tie 1 ASK using 4 center cords.
- (e) Repeat in order, Steps c, d, c, b.
- (f) Tie 4" SK sinnet using 4 center cords.
36. (a) Repeat Step 35 with 12 cords to right of AHH chains in Section A.
- (b) Temporarily tie all 4" sinnetts together with scrap cord.
37. Repeat Steps 35 and 36 with Section B, C, and D.
38. (a) With 8 center cords in Section A, measure 5" down from 12" ring.
- (b) Using cords 1 and 8 as holding cords, begin at 5" mark and tie 19" SK sinnet.
39. Repeat Step 38 with Sections B, C, and D.
40. Using 4 far left cords from Section A and 4 far right cords from Section D:
- (a) Cross center cords and tie 1 row of Dia. DHH's on each side from center to outside.
- (b) Using outside cords as working cords, tie 19" SK sinnet.
41. Repeat Step 40 with each remaining group of 8 red cords.
42. Temporarily lift eight 19" SK sinnetts up over 20" ring and tie with scrap cord.
43. (a) Untie eight 4" SK sinnetts and DHH onto 4" ring.
- (b) With each working cord from each 4" sinnet, tie 1 HH around ring to cover ring.
44. (a) Using 2 cords (1 holding and 1 working) from each adjacent 4" sinnet, tie 1 row of SK's around ring (using 4 cords in each SK.)
- (b) Tie 23 rows of ASK's (approx. 13").
45. Untie eight 19" SK sinnetts and slip 1 set of sinnet working cords through each ASK in bottom row.
46. Unpin 4 DHH points and glue points

to orange sinnets 10" down from 12" ring. Trim fringes to desired length.

NOTE: To remove wrinkles from fringe, see technique 17, pn page 14.

