## Convergence Workshop W304 <br> One Warp: Several Structures

## Yarn and loom information:

There are several choices for yarns and setts. Choose the one that seems best for you.
Use cotton -- size $10 / 2,8 / 2,5 / 2$, or $3 / 2$ - mercerized or unmercerized or Orlec $8 / 2$
3 yard warps.
The drafts are 92-116 ends in length. You can repeat the draft for additional width if you would like. The second repeat can be sthe same or have color changes in the warp.
For colors I would recommend: Main color for warp, a contrasting color and a color similar in value to the main color. You will need about 500 yards of the main color, and 200 yards of the other two for each repeat. Additional colors are welcome.

| Yarn to use | Sett | Reed | Sett | Reed | 1 repeat-width |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $10 / 2$ cotton | 30 epi | 15 | 24 epi | 12 | $4-5$ inches |
| $8 / 2$ cotton | 20 epi | 10 | 24 epi | 12 | $5-6$ inches |
| $8 / 2$ Orlec | 20 epi | 10 | 24 epi | 12 | $5-6$ inches |
| $5 / 2$ cotton | 16 epi | 8 | 20 epi | 10 | $6-7.5$ inches |
| $3 / 2$ cotton | 12 epi | 6 or 12 | 15 epi | 15 | $8-10$ inches |

For example, I have lots of $5 / 2$ and $6 / 2$ cotton and decide to use that. I have an 8 -dent reed, so I pick 16 for the sett. I will need 360 yards for a warp in all one color. I am threading the loom after I get to Convergence, so I decide I will only do one repeat. I have some green that I will use for the main color. I have blue and white to use for the secondary colors.. If I have some more colors, I might bring a bobbin or two extra.

Shuttles to suit the loom. Boat shuttles are easiest, but stick shuttles will work.
Warping methods: Use your favorite method. I recommend the methods described on the Handwoven magazine web page:
http://www.interweave.com/weave/handwoven_magazine/web_projects/warping_basics.asp
Questions:
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## 4-Shaft Drafts

## Choose your draft

Below are threading drafts for the workshop. Choose the one you would like to weave. For the easiest threading, choose a draft that can be threaded all in one color. If you have time, you may choose to use two or more colors in your warp. The colors shown are just examples. In the first draft the colors are peach and blue, the suggestion is a light and medium color. You might choose natural and mint or any two colors where there is some contrast in value. For the second draft, a stronger contrast in value works better.


## Straight draw threading

1. Thread all in one color OR
2. Thread above color order Use a light and medium color

Heddle Counts by Shaft Number:

| Shaft | 1 | 2 | 3 | 4 |
| :--- | :--- | :--- | :--- | :--- |
| Count | 23 | 23 | 23 | 23 |

\# of warp ends
blue 46
peach 46
Total warp ends: 92


Rosepath threading

1. Thread all in one color OR
2. Thread above color order Use a light and dark color

Heddle Counts by Shaft Number:

| Shaft | 1 | 2 | 3 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- |

\# of warp ends
white 52
blue 53
Total warp ends: 105


Twill threading

1. Thread all in one color

Heddle Counts by Shaft Number:

| Shaft | 1 | 2 | 3 | 4 |
| :--- | :--- | :--- | :--- | :--- |
| Count | 24 | 28 | 28 | 23 |

\# of warp ends Total warp ends: 103

8-Shaft Drafts

| 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 8 |  |  |  |  | ${ }^{8}$ |  |  |  |  | 8 |  |  |  |  | 8 |  |  |  | 8 |  |  |  |  | 8 |  |  |  | 8 |  |  |  | 8 |  |  |  | 8 |  |  |  |  | 8 |  |  |  | 8 |  |  |  |  | 8 |  |  |  |  |
|  | 7 |  |  |  |  |  | 7 |  |  |  | 7 |  |  |  |  | 7 |  |  |  |  | 7 |  |  |  |  | 7 |  |  |  | 7 |  |  |  |  |  |  |  |  | 7 |  |  |  |  |  |  |  | 7 |  |  |  |  | 7 |  |  |  |  | 7 |  |  |  |
|  |  |  |  |  |  |  | 6 |  |  |  |  | 6 |  |  |  |  | 6 |  |  |  |  | 6 |  |  |  |  |  |  |  |  | 6 |  |  |  | 6 |  |  |  | 6 |  |  |  |  |  |  |  |  | 6 |  |  |  |  |  |  |  |  |  | 6 |  |  |
|  |  |  | 5 |  |  |  |  | 5 |  |  |  |  | 5 |  |  |  |  | 5 |  |  |  |  |  |  |  |  | 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |  |  |  |  | 5 |  |  |
|  |  |  | 4 |  |  |  |  | 4 |  |  |  | 4 |  |  |  |  | 4 |  |  |  |  | 4 |  |  |  |  |  |  |  |  | 4 |  |  |  | 4 |  |  |  | 4 |  |  |  |  |  |  |  |  | 4 |  |  |  |  | 4 |  |  |  |  | 4 |  |
|  |  |  | 3 |  |  |  |  | 3 |  |  |  |  | 3 |  |  |  |  | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  | 3 |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 2 |  |  |  |  | 2 |  |  |  |  | 2 |  |  |  |  | 2 |  |  |  | 2 |  |  |  |  | 2 |  |  |  | 2 |  |  |  | 2 |  |  |  | 2 |  |  |  |  | 2 |  |  |  | 2 |  |  |  |  | 2 |  |  |  |  | 2 |
|  |  |  |  | 1 |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  | - |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## Straight threading

1. Thread all in one color

OR
2. Thread above color order Use a light and dark color

Heddle Counts by Shaft Number:

| Shaft | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |  | gray |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Count | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | Total warp ends: 104 |  |



Straight threading

1. Thread all in one color OR
2. Thread above color order

Heddle Counts by Shaft Number:
$\begin{array}{lllll}\text { Shaft } & 1 & 2 & 3 & 4\end{array}$
$\begin{array}{lllll}\text { Count } & 14 & 14 & 14 & 14\end{array}$
\# of warp ends white 55 violet 57
Total warp ends: 112


Point threading

1. Thread all in one color

Heddle Counts by Shaft Number:

| Shaft | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Count | 8 | 14 | 14 | 14 | 14 | 14 | 14 | 7 |



M's and W's Twill threading

1. Thread all in one color

Heddle Counts by Shaft Number:

| Shaft | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Count | 10 | 14 | 14 | 12 | 13 | 16 | 16 | 10 |

\# of warp ends
Total warp ends: 99
\# of warp ends
Total warp ends: 105

## 8-Shaft Drafts



Block threading

1. Thread all in one color

Heddle Counts by Shaft Number:

| Shaft | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Count | 15 | 15 | 15 | 15 | 14 | 14 | 14 | 14 |

\# of warp ends Total warp ends: 116


DW-Blocks threading

1. Thread all in one color OR
2. Thread above color order Use 2 shades of a hue and a contrast

Heddle Counts by Shaft Number:
$\begin{array}{lllllllll}\text { Shaft } & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8\end{array}$
\# of warp ends yellow 56 dark violet 28 light violet 28


## DW-Colonial threading

1. Thread all in one color

Heddle Counts by Shaft Number:

| Shaft | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Count | 10 | 10 | 18 | 18 | 13 | 13 | 6 | 6 |

