

# WELCOME to QYC Tech Talks!

- A Tech Talk is...
  - An exchange of information, ideas and experience
  - More dialogue than “teaching”
  - A little structure
- We encourage...
  - Listening, learning & contributing
  - Discussion and debate
  - Questions
- Our next Tech Talk is:
  - Free Chart Plotter SW & Charts



Together, to Learn From Each Other

# Basic 3 Strand Splicing



# Tools for splicing

## ***Required***

- sharp knife, at least one per two persons, masking tape

## ***Suggested***

- Magic marker (fine point),
- Fid of some sort (screw driver, pen, etc.)
- Sail needle, Pliers, and or a sailors palm (if sewn whippings are desired).
- Electric knife, Propane torch, heavy metal object to be used as a heat sink. (supplied)

# Have fun, meet neighbors, master new skill.

## Why is splicing useful?

- Save money on custom lines,
- extend life of lines. keep from unraveling,
- joining and repairing lines.
- Protect your investments
- Safety May help get you home if jury rigging is required

## • **Line Nomenclature used this course**

- Strand,
- Lay,
- Standing part,
- Working end,
- Bitter end,
- Tucks

## Some Line types

- Three strand (Synthetic, or Natural fiber) - Covered this class
- Single Braid Yellow Poly
- Double Braid - Not covered in this class

# 5 Basic Splice Types

- **Back or End splice**- form a neat end on a line and keeps it from unraveling. (Alternative to tape, etc.)
- **Eye splice** - form a useful reuseable loop on end of a line, installing thimbles for chafe.
- **Short splice**- Join two lines together
- **Long splice**- similar, for running rigging ( Passes more easily through a block).
- **Rope to Chain splice** - often used on combination anchor rode for clean running over wildcat and down hawse holes. (rope to chain splice retains about 90% of original line breaking strength)

# Starting the splice

## Develop your layout plan.

- Use tape, seizing, magic marker as required.
- **Preparing** strand ends is very important to a neat job. Use tape, Keep tight, Retain the natural twist and lay.
- **Unlaying and counting turns.**
- Be generous, a little too long is better than too short. Leave enough length to work as you finish the splice
- **The beginning three tucks are the major difference in forming these splices. determine the end result.**
- \* each splice has in common (over one, under one, follow round, Repeat)

# Hints to make it look good

After each tuck twist strand tightly and pull back.

If it looks wrong it is. **Stop!** Pull apart, and start over.

Work each strand from beginning thru entire splice periodically if required to even and tighten. **(Do this before trimming ends)**

## Completion techniques

Tapering - removing a few strands from each part on alternate tucks to achieve a long smooth splice.

Rolling - between hands may work, but usually under foot is better.

Cutting - Trim ends by pulling strand back toward start of splice, and cutting in opposite direction

Melting - Best outdoors, with torch or electric knife, cold metal object to cool and form \*\*\*\* Keep fingers out of molten plastic! It's painful!!

Whipping - Quick or sewn (more durable).

# Crown Knot (start back splice)





# 3 STRAND LINE, SIEZE OR TAPE AT STARTING POINT



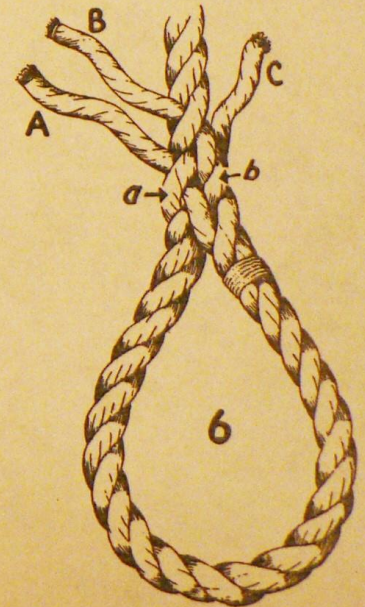
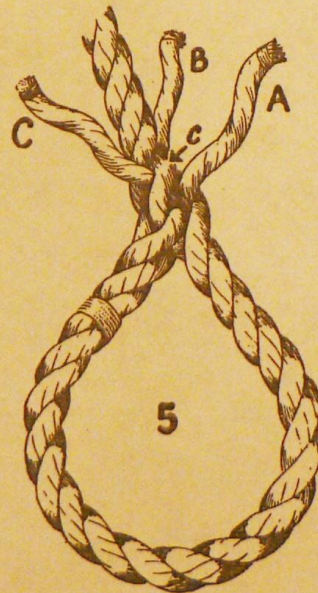
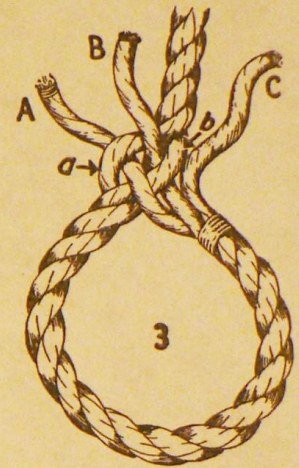
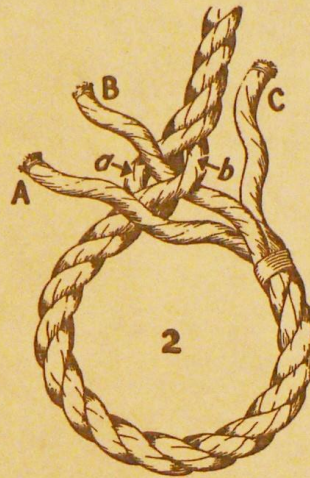
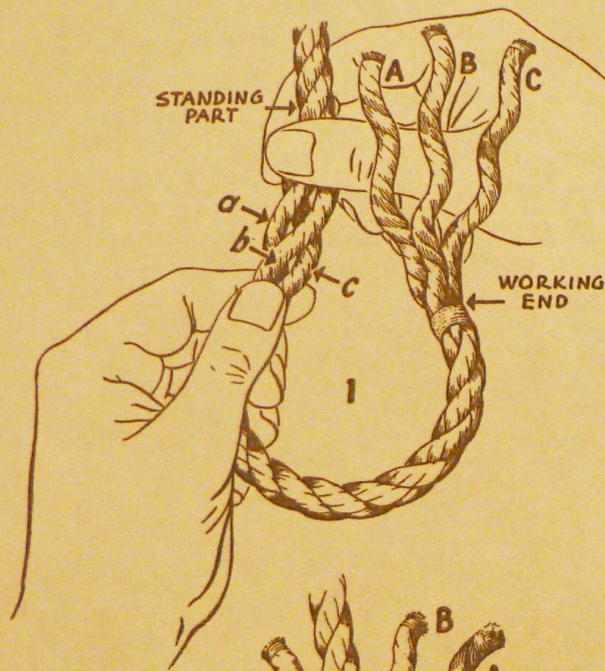
LINE PREPARED FOR END SPLICE. UNLAYED, WITH CROWN KNOT, CAN REMOVE TAPE OR SIEZING ON STANDING PART, AND BEGIN TUCKS.



# START OF EYE SPLICE, TUCK CENTER STRAND AT ENTRY POINT



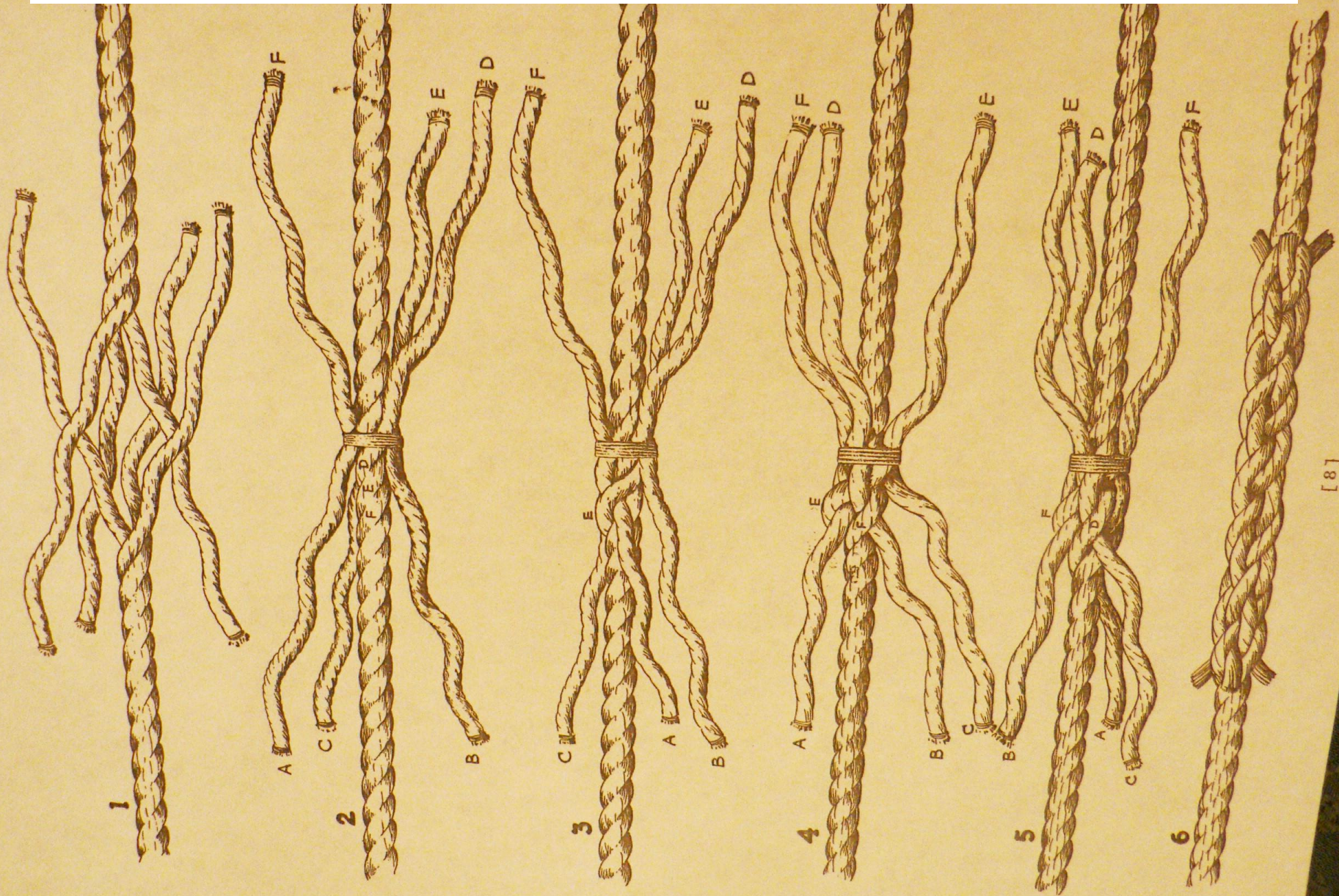
# EYE SPLICE LINE DRAWING



LINES JOIN AT MARRIAGE POINT FOR SHORT OR LONG SPLICES. (A TWINE STOPPER IS PREFERRED TO TAPE)



# SHORT SPLICE LINE DRAWING



# REFERENCE WEB SITES

SUPPLIES – <http://www.defender.com/>

<http://www.westmarine.com/>

<http://www.wholesalemarine.com/>

<http://www.fisheriessupply.com/>

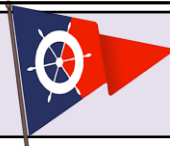
GENERAL INFO - <http://www.teufelberger.com/index.php?id=1263>

<http://stoneycreeker.com/knots/knots3.htm>

<http://www.jamestowndistributors.com/userportal/document.do?docId=920>

<http://www.animatedknots.com/indexsplicing.php?LogoImage=LogoGrog.png&Website=www.animatedknots.com#ScrollPoint>

ON LINE VIDEOS – UTUBE



# QUARTERMASTER YACHT CLUB

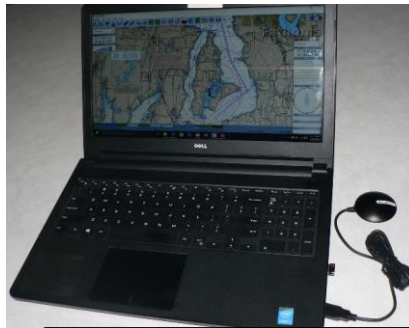
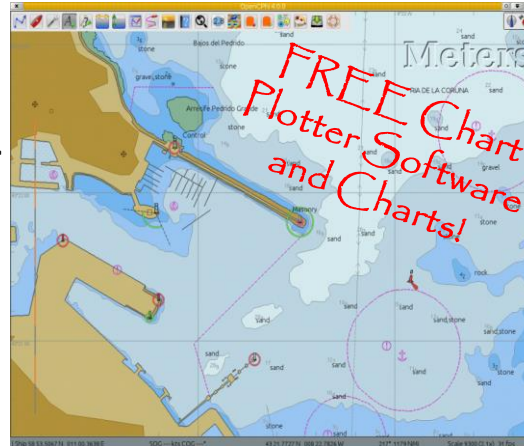
## Tech Talk Series

### OpenCPN Chart Plotter with... Kevin Jones, Rick Oppegaard & Perry Hansen

Looking for that first  
electronic chart plotter?

Or maybe a backup to your  
current system?

This FREE software and  
charts, your current laptop  
or tablet plus a \$30 GPS  
antenna delivers!



Attend this Tech Talk to discuss:

- OpenCPN features
- How to get and use it
- Tips and tricks
- Limitations

**Where: Vashon Library Meeting Room  
17210 Vashon Hwy SW  
Vashon, WA 98070**

**When: Wednesday, October 26, 2016, 7 to 9PM**

**Why: Learn, share & have fun**