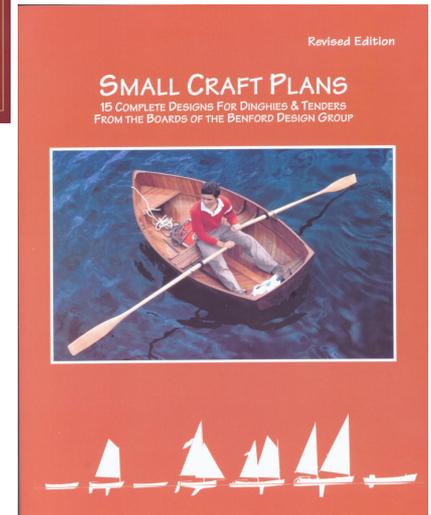
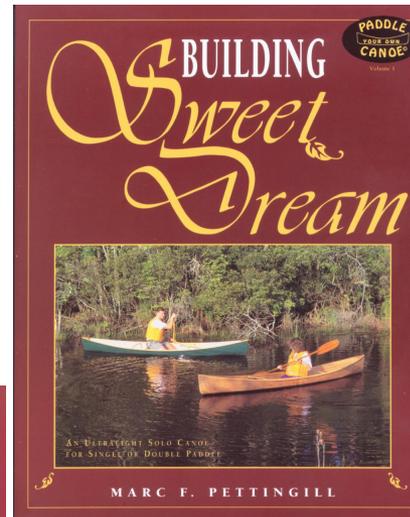
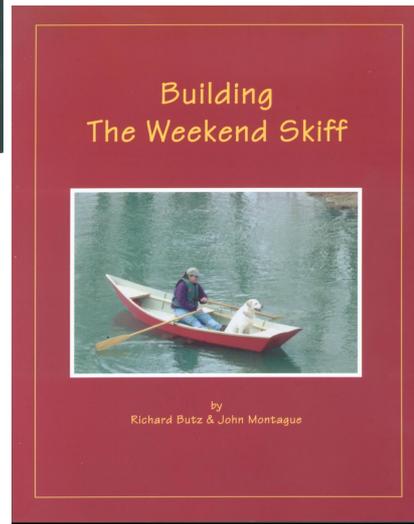
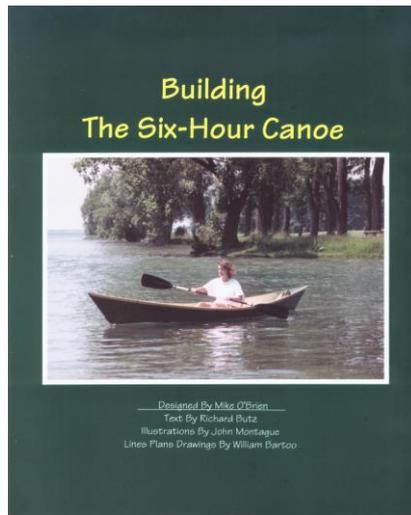


Small Boat Building Project Books

Some of the books Tiller Publishing offers:





Some Jay Benford Designs

Right next to the Museum, there's a 65' tour boat, the *Patriot*, that we designed that offers many daily trips on the Miles River.

Jay's background

In the beginning....

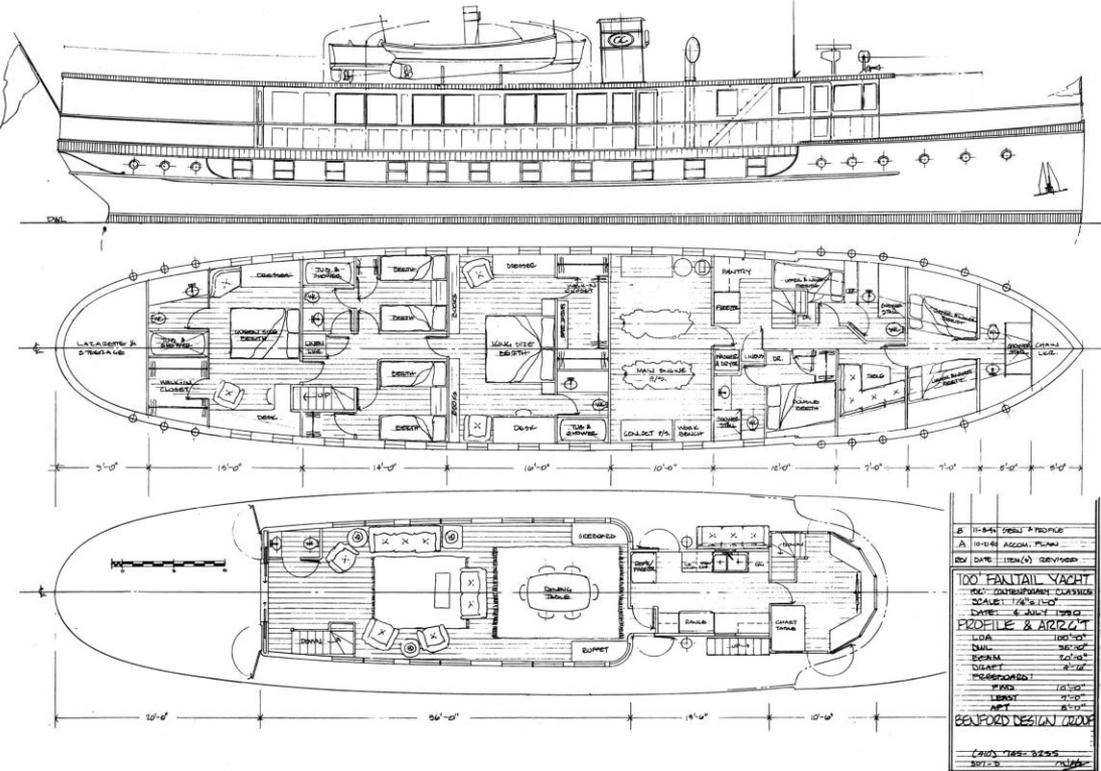
I was taken sailing on this 21-footer as a newborn, and sailed her for about 20 years. At age 15, my folks let me take her on trips on the lake. I lived aboard her part of that summer.



Kiyi – 50' Fantail Yacht built in 1926 in Seattle. I bought her in 1969; lived aboard 1.5 years. The love of this design led me to design many fantail yachts.



We've designed fantails from the 17' Steamer (photo from our **Pocket Cruisers** book) to the 100-foot motor yacht below (one of many fantails in our **Small Ships** book).



Benford design

34' Square

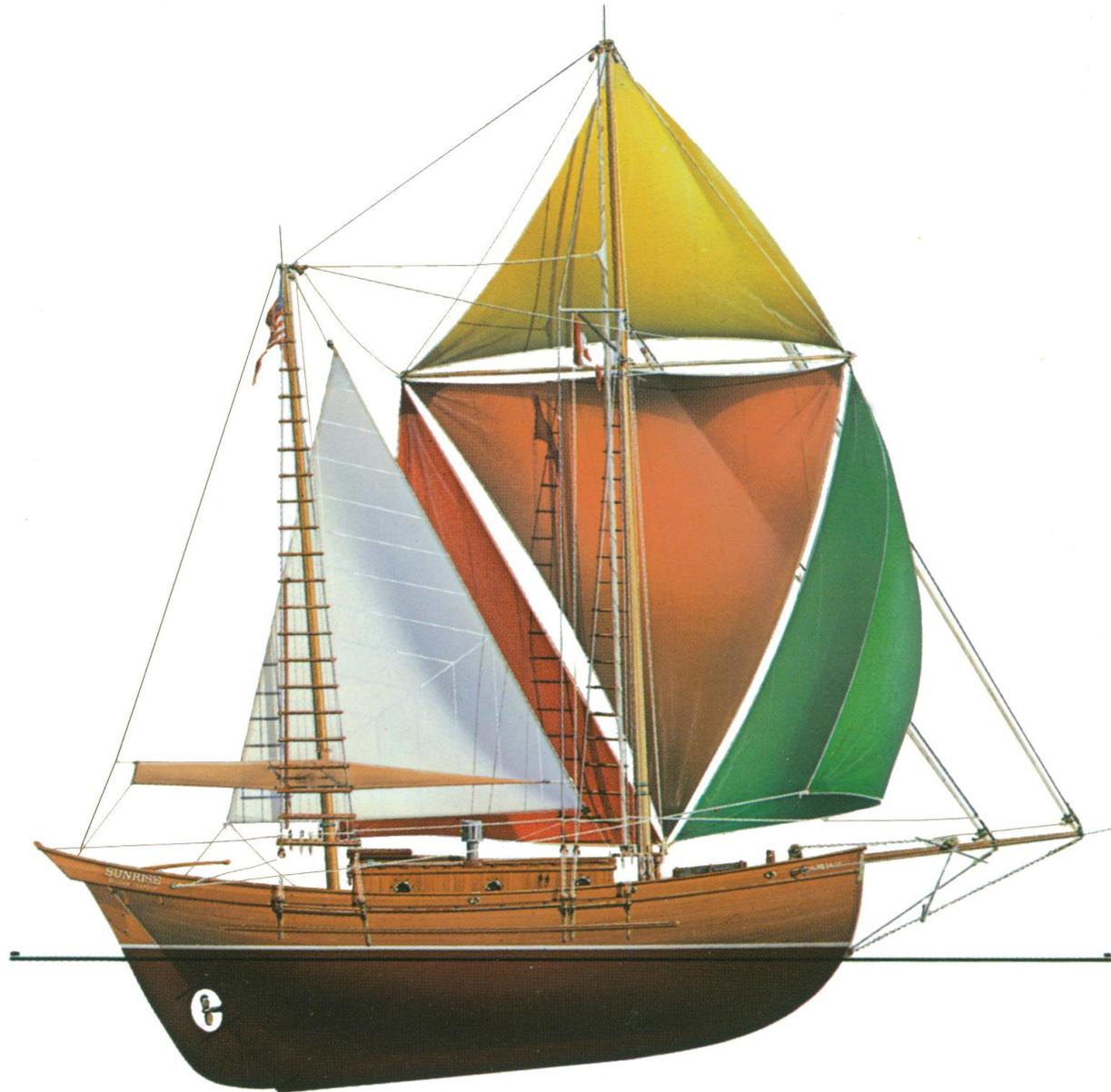
Topsail

Ketch *Sunrise*

34' on deck,

50' overall

- Jay's home from 1973–84
- Revised square rig during these years plus added awning for shade



Sunrise — 34' Topsail Ketch

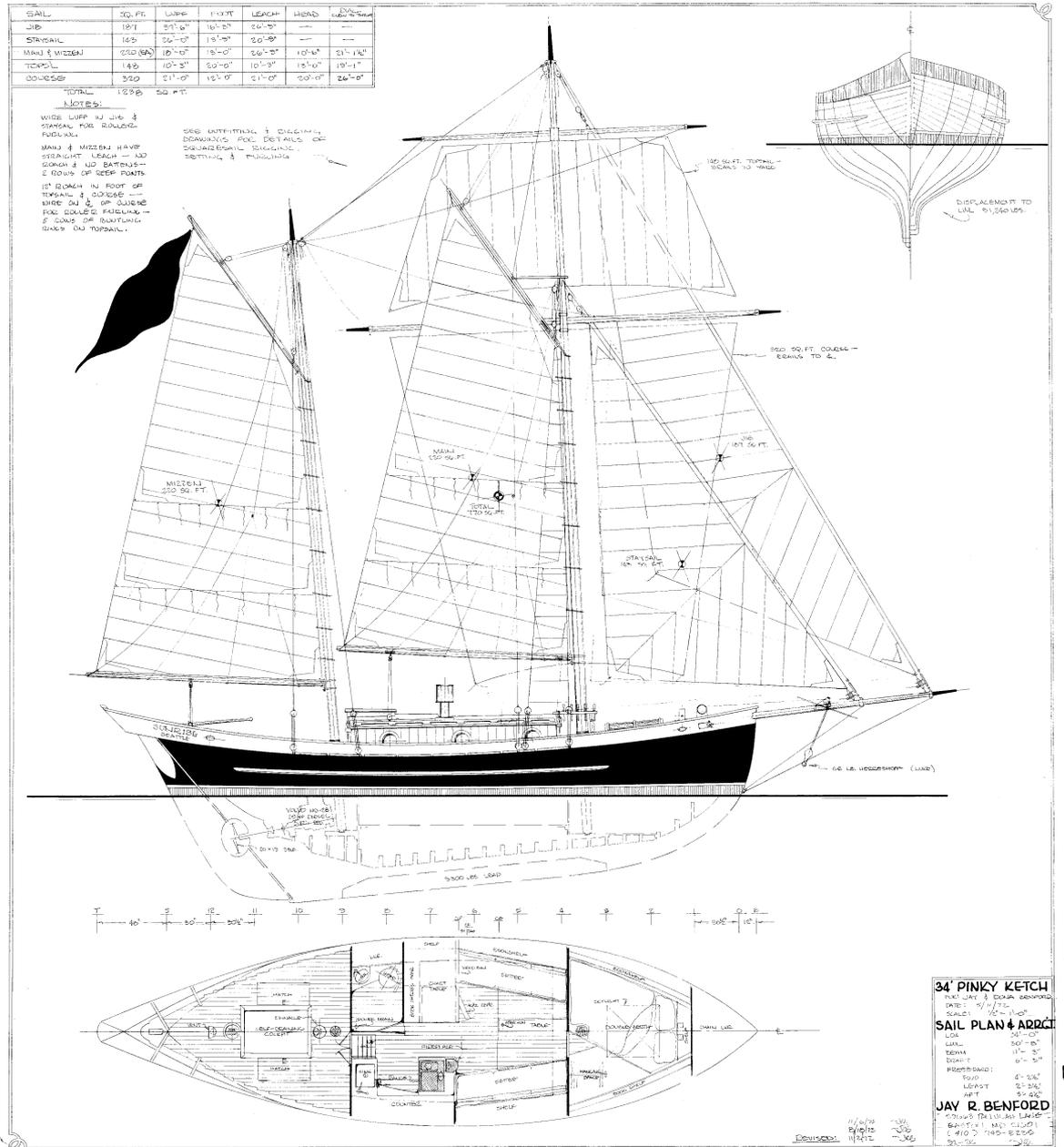
This shows the original rig — too small for the light airs usually found in Puget Sound & BC, our cruising ground.

Shown anchored in Desolation Sound, BC.



Sunrise

This shows the original rig, the hull form, and her uncluttered accommodation plan.



Odyssea – 1926 75' houseboat

Jay's home from 1993–98, in St. Michaels, MD. 75' x 19' x 3.25'. She has 1,300 sq. ft. of heated and air-conditioned living space, plus a lot of covered deck space. Small craft on deck include Sweet Dream canoe, 11' Oregon Peapod (Small Craft Plans Book, & 13' Boston Whaler.



Proverbs 17:28 – paraphrased:

One of my favorite Bible verses.

‘Tis better to be thought a fool, than to open
your mouth and remove all doubt....

(Paraphrase attributed to Winston Churchill)

Too late for me, I guess....

Another paraphrase, more contemporary....



Our most popular small boat title. It's used in many, many teaching programs.

It uses two sheets of 6mm plywood.

Building The Six-Hour Canoe



Designed By Mike O'Brien
Text By Richard Butz
Illustrations By John Montague
Lines Plans Drawings By William Bartoo

Six–Hour Canoe Class

The authors of the book have run many Six–Hour Canoe classes at Buffalo. The class outline is in the book; it uses two weekends.



We built six—
hour canoes
twice with our
kids and their
6th grade
friends. This is
the first time.
Each time a
boat was sold
at a fund—
raising auction.



Photo by CHRIS TYREE

On a day made for boat building, Elizabeth Benford, 11, glues some parts of a canoe together in St. Michaels Tuesday afternoon. She and some of her sixth grade classmates from Wesleyan Christian School are building the boats for auction at their Family Fun Night on May 8.

Laying out the side panels

Using the dimensions on the drawing, we laid out the shape of the side panels. It was handy to have the drafting tools right at hand in the adjoining office.



Frame assembly

Using the drawings, we laid out and assembled the frame. This is where we made one frame with more flare than the other. You can see the result in later photos.



Marking the bottom for cutting.

Author Bill Bartoo was working in our design office and guided us through the process. Here he's demonstrating how to mark the bottom panel for final fitting.



Step-by-step guidance

Bill Bartoo giving safety talk before use of power tools. This is where the parents were keeping a very close eye on how the kids worked.



Work continues

Kids using power tools to cut the bottom panel to shape. Dads helping with sanding and oversight.



Work continues

Sanding the edges of the side panels and trimming the bottom. Kids and parents at work.



The Building Crew

The effect of opening the frame shape is shown in the canoe with more rocker to the sheer.



A SUCCESSFUL PROGRAM

DAY ONE

(Saturday)

Preparation

- Pre-cut the panels and stems and assemble a frame for each boat. Mark the location of the frame on the inside of the side panels. Mark "bow" and "stern" on the side panels and appropriate stem pieces. Machine stock for chine logs and gunwales.
- Have a building station with a pair of saw horses, a hammer, a cordless drill and phillips bit, and a sharp block plane for each participant.
- Have epoxy, epoxy brushes, 6 spring clamps, 2 light bar clamps available for each boat.
- Have a general supply area with ring nails, 3/4" drywall screws, and sharp handsaws available.

Process

8:00 a.m. - 8:30 a.m.:

- Team Meets** (Coffee, milk, donuts, etc.)

8:30 a.m.

Begin/Construction

- Lay out the side panels and mark and attach the stems to one panel. Use epoxy and drywall screws.

- Mark the position of the frame on **both** panels inside and out.

- Cut out the chine notches in the frame.

- Attach the frame to both panels with drywall screws. Do not use epoxy yet.

- Join the bow sections together with drywall screws - no epoxy yet.

- Join the stern sections in the same manner.

- Take the pieces apart, apply epoxy and re-join in the same order.

12:00 p.m.-1:00 p.m.

Lunch

1:00 p.m.

- Turn the boat upside down and install the chine logs one side at a time using drywall screws.

- Turn the boat right side up and install the gunwales.

4:00 p.m. - 5:00 p.m.

Finish for the Day

Outline of first day of a 4-day building program

In the book there is an outline of a 4 day building program. They have successfully used it many, many times.

Canoe built for auction our 2nd year.

The class holding up the canoe prior to the fund-raising auction.



Building The Weekend Skiff

This project uses 3.5 sheets of plywood. It uses similar simple, basic, building techniques as the Six-Hour Canoe.

Building The Weekend Skiff



by
Richard Butz & John Montague

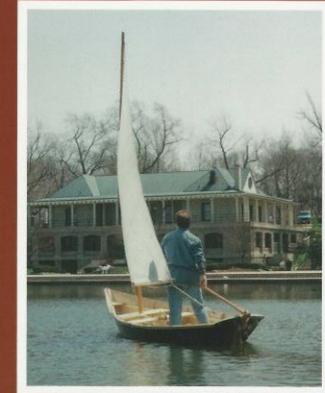
More Weekend Skiff photos

Rowing, sailing, and powerboat versions of the basic skiff. Note transom variations. More details inside the book; plus teaching program outline.



Building the Weekend Skiff offers detailed plans and instructions for building a simple boat at low cost with easily obtainable materials and basic hand tools. The Weekend Skiff is fifteen feet in length, can hold two adults or several children, and is adaptable for oars, sail or a small outboard engine.

This is a straightforward boat to build whether you're an amateur or a professional. It's the perfect family weekend project, great for school or community groups, or just a treat for yourself.



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ISBN 188867110-6



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Finished Weekend Skiff

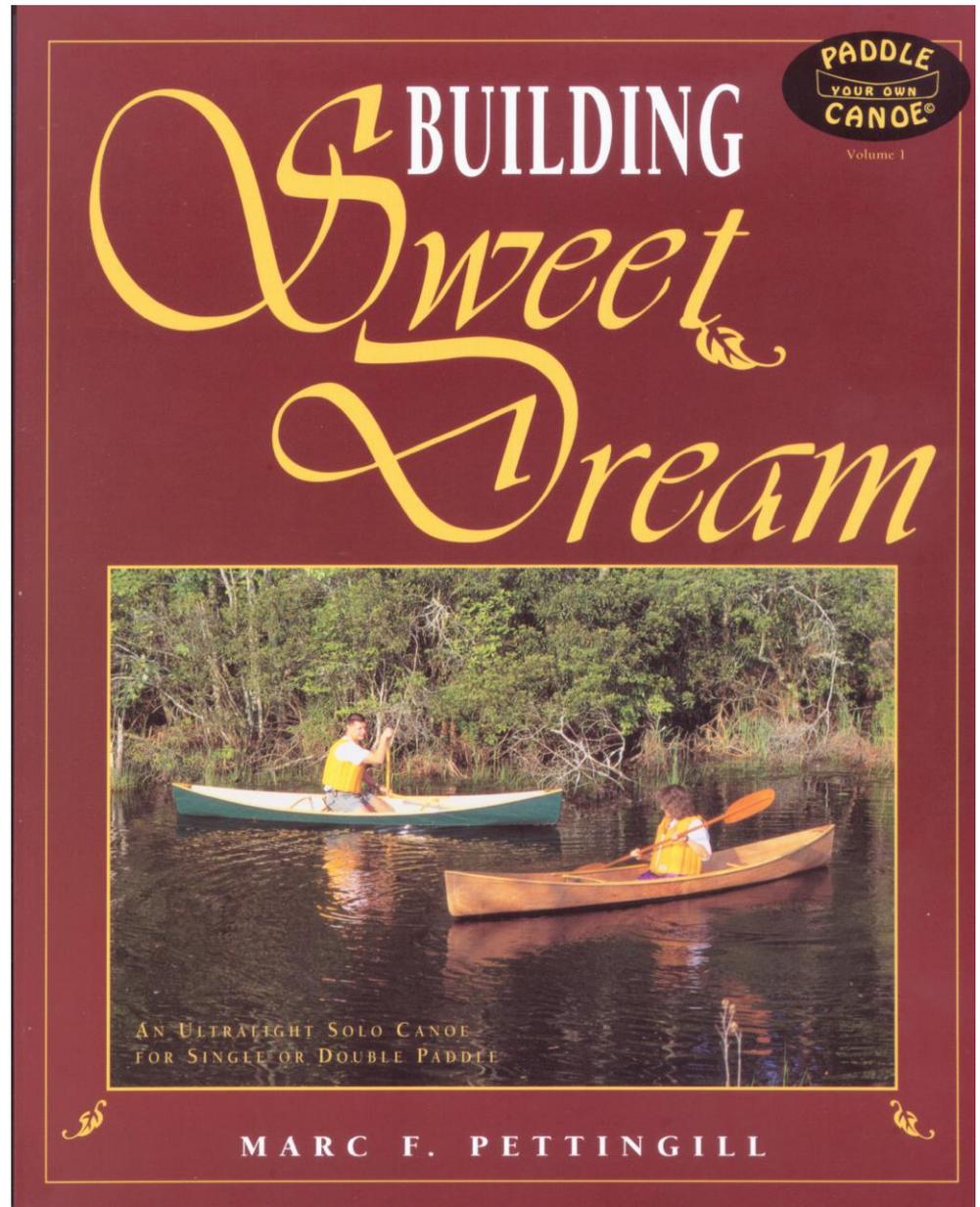


Note well outfitted shop, with room for many projects and students.



Building Sweet Dream

This canoe uses 2 sheets of 4mm ply, cut and twisted to shape. 3 sizes (12', 13', 14') shown in this very detailed, step-by-step book.



Sweet Dream Canoes

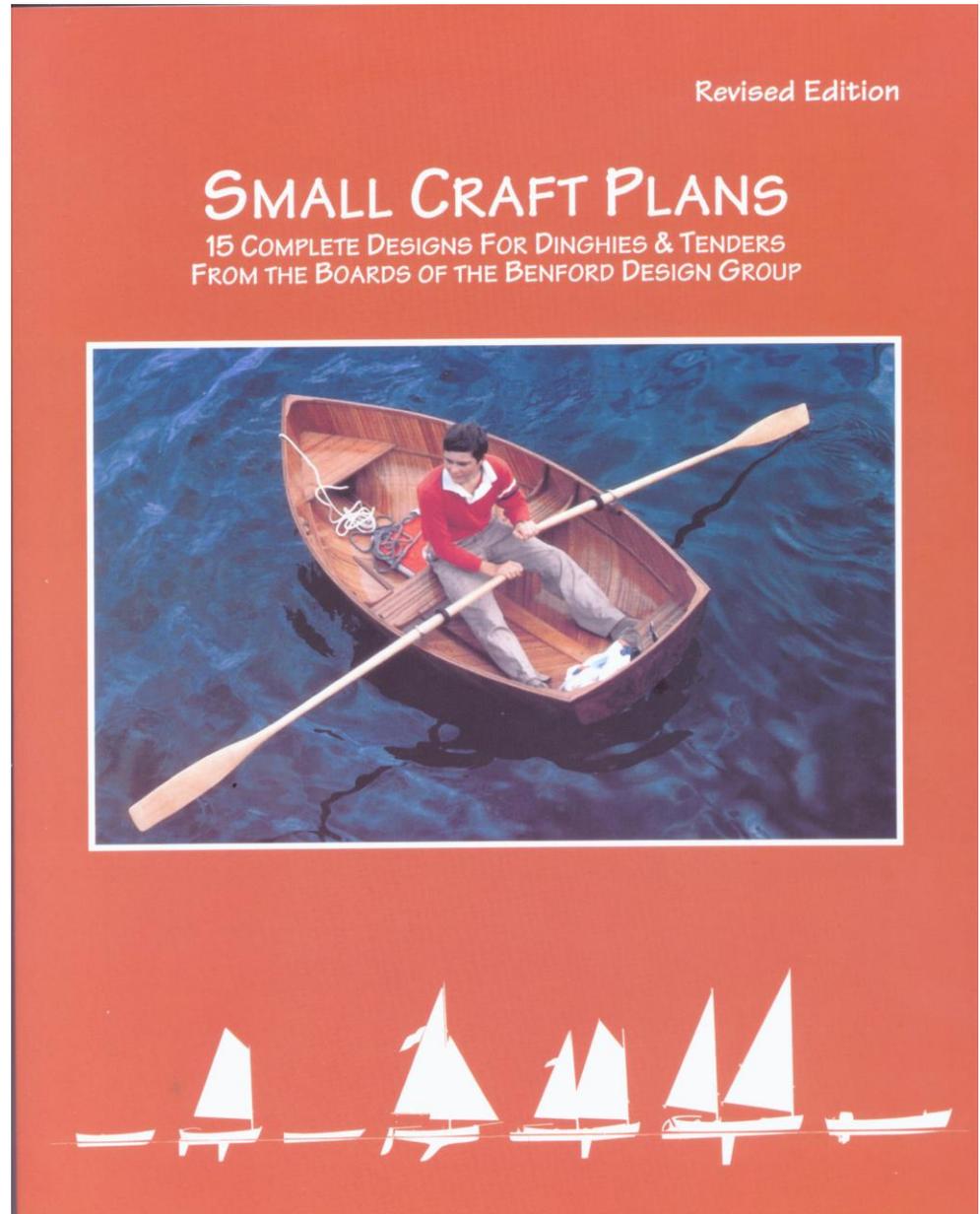


Author and builder
Marc Pettingill and
our daughters trying
out the canoes.



Small Craft Plans

This book has 15 sets of open boat plans. Several are suitable for first-time builders.



11'–4" *Sunrise* Dinghy

Simple, flat-bottomed boat. Build her stitch & glue, or with chine logs. Plans in Small Craft Plans book.



7'-3" Dinghy



Another
flat-
bottomed
skiff.



7'-6" Dinghy

Double chine,
stitch and glue
construction.



11' Oregon
Peapod design
from Small Craft
Plans book



We carried this as one of the dinghies aboard *Odyssea*. The name came from our kids love of the Adventures in Odyssey story series. The kids called the peapod *Puddle Duck*, after a favorite story.

Catalog of more Benford designs

"... effective and adaptable. His designs are like that: traditional but with contemporary elements, imaginative and unfettered by allegiance to rating rules or fashion, anachronistic, eclectic, eccentric, but always effective and user-friendly."
Pacific Yachting

"It was while working on the first Mariner's Catalog — a period of nautical despair for those who liked traditional boats made of traditional materials — that we first encountered the design works of J. Benford... We could not believe it, a firm devoted almost exclusively to boats so salty that they made our eyes rust..."
Volume 6, The Mariner's Catalog

"Jay Benford designs fascinating anachronisms for people who spurn the world of plastics and mass production."
Pacific Yachting

"CRUISING DESIGNS is highly recommended, but if it is read in conjunction with VOYAGING ON A SMALL INCOME, then I fear for you. The authors should put a disclaimer on the cover absolving themselves from responsibility should the reader decide to chuck their day job, get the boat, purchase a big stack of Admiralty charts and leave on the next tide. In fact, come to think of it, that sounds like a good idea..."
Classic Boat



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CRUISING DESIGNS

FOURTH EDITION

TILLER

FOURTH EDITION

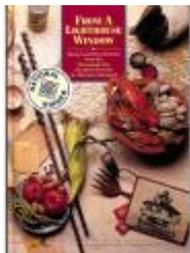
CRUISING DESIGNS

A CATALOG OF PLANS FOR CRUISING BOATS, SAIL & POWER
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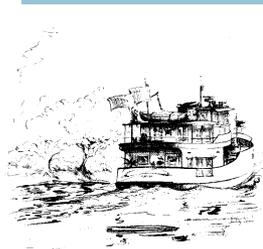
Maritime Art



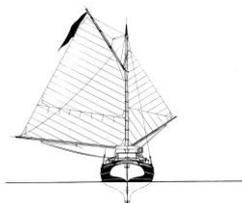
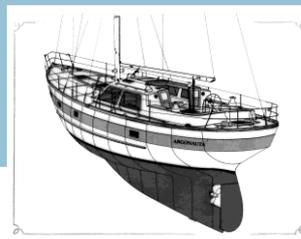
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the Trumpy book, features 25 of the exquisite full-color paintings and drawings from the book. The deep blue background and rich gold type highlight Robert Picardat's stunning renderings. Printed on high quality, acid-free paper.

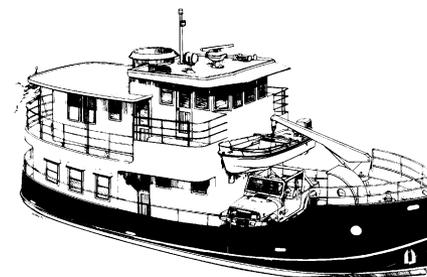
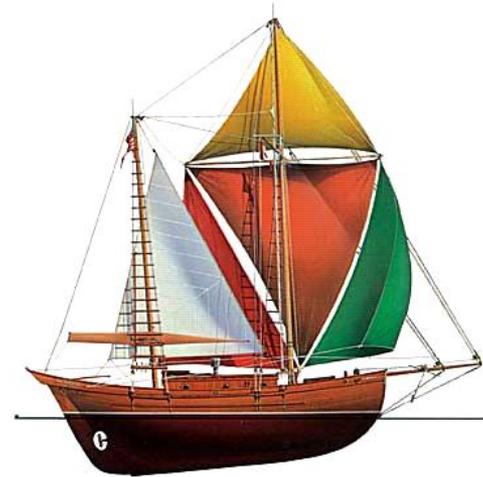


Tiller has available other art prints of Benford designs. Sizes available, currently, range up to 24" x 36".



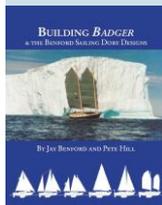
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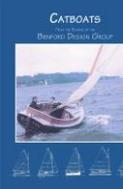
Fine
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Designs & Plans from the Benford Design Group



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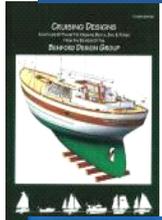


Catboats by Benford

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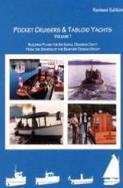
Cruising Designs 4th Ed.—by Benford

A catalog of plans for dozens of cruising sailboats 17' to 131', and powerboats 17' to 100'. Includes a number of new designs. *Softcover, 8 1/2 x 11, 96 pages, photos and drawings. \$15.95*



Pocket Cruisers & Tabloid Yachts — Vol. 1, Revised Edition—by Benford

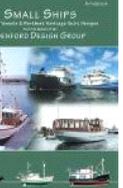
Complete building plans for several small cruising boats, from 14' to 25'. Catboat, supply boat, fantail steam launch and tug yachts. *Softcover, 8 1/2 x 11, 96 pages. \$17.95*



Small Craft Plans

Revised Edition—by Benford

Taken from the original drawings and reduced in scales, the plans are complete and ready for lofting full size. 15 sets of plans from 7' to 18'. *Softcover, 8 1/2 x 11, 96 pages, photos and drawings. \$17.95*



Small Ships — 5th Ed.—by Benford

Study plans, drawings, photos, plus descriptions of powerboat designs—ferries, freighters, tugs, excursion boats, trawler yachts, houseboats and fishing vessels. *Softcover, 8 1/2 x 11, 360 pages. \$29.95*

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