



*Northwest  
River  
Supplies*

1986



# Welcome to Self-Bailing

2

Dear River Runner,

Testing our new self-bailing rafts on the Salmon last summer turned me from a supporter into a fanatic. My biases show. You'll find them amply demonstrated in our write-ups for the Sprite, Scout and Otter self-bailers. You'll find, as we did, that skeptics haven't tried self-bailers yet!

It took me longer to embrace drysuits. But so many of our local boaters (including employees) swore by them that I had to listen. Dry suits are a positive alternative to other cold weather clothing, and you'll find a variety of innovative designs in our catalog.

Also new this year is the NRS Scamp, a lightweight raft for fishing high mountain lakes. We used urethane-coated nylon to produce a featherweight raft which is also strong enough to withstand the roughhousing of family recreation.

Remember that Friends of the River, ARCC and many other dedicated river organizations need your support. Don't wait until your river is threatened. Please join today.

Thank you for reading our catalog and considering our products.

*Bill Parks*

Bill Parks



Self-Bailing Sprite II

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## Self-Bailing Rafts

**Self-Bailing Rafts** The addition of self-bailing inflatable floors is the most exciting innovation in raft design in recent years. They are fast becoming the most popular type of raft on the river today.

### Characteristics

- "Air-mattress" style, I-beam inflatable floors attached to the raft tubes above the waterline. When water enters the raft, it drains out between the floor and the tubes. Total height of the floor varies with the manufacturer, but generally a higher floor will increase total buoyancy.

- Most manufacturers use a lace-in method to attach the inflatable floor to the main tubes of the raft. The space between the floor and the tubes creates a fast-acting drain. Avon glues a raised inflatable floor to the main tube and uses peripheral grommets as drains.

- Current manufacturing and material technology require low inflation pressure limits for inflatable floors (1-1.5 psi), so most manufacturers have installed 1 psi pressure relief valves to help prevent over-inflation of the floors. In any case, rafters must be particularly careful to avoid over-inflation of an inflatable floor.

### Benefits

- Immediate drainage keeps the raft at peak efficiency
- Increased speed and maneuverability
- Reduced chance of wrapping a raft
- Gear can be stored directly on the floor

**Sprite II Frame Packages** Everything you need to set up your Sprite II or Sprite II Self-Bailer for whitewater. Sprite II Frame Packages are just the ticket if you want to carry a cooler in your new Sprite. Complete with the Sprite II or Sprite II Self-Bailer and your choice of the Expedition or Little Bighorn rowing frames (p. 13), plus the following accessories: four 3' HD Straps, NRS Pump, repair kit, three 8' Carlisle shafts with Original, Standard or Magnum Blades (p. 15; add \$10.00 if you want Outfitter blades), Pins and Clips (or Open Oarlocks and three Molded Oar Sleeves), and an Extra Clip. Shipped motor freight collect.

<b>1052</b>	Sprite Expedition Package	<b>\$1135.00</b>
<b>1062</b>	Sprite S-B Expedition Package	<b>\$1305.00</b>
<b>1053</b>	Sprite Little Bighorn Package	<b>\$1035.00</b>
<b>1063</b>	Sprite S-B Little Bighorn Pkg	<b>\$1215.00</b>

**Scout II Packages** Includes the Scout II or Scout II Self-Bailer, the Bighorn I or Super Expedition rowing frames (p. 13), four 3' HD straps, NRS Pump, repair kit, three 9' Carlisle shafts with Original, Standard or Magnum blades (p. 15; add \$10.00 if you want Outfitter blades), Pins and Clips (or Open Oarlocks and three Molded Oar Sleeves), and an Extra Clip. Shipped motor freight collect.

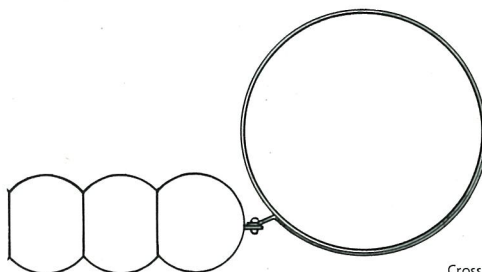
<b>1071</b>	Scout Bighorn Package	<b>\$1215.00</b>
<b>1081</b>	Scout S-B Bighorn Package	<b>\$1455.00</b>
<b>1072</b>	Scout Super Expedition Package	<b>\$1342.00</b>
<b>1082</b>	Scout S-B Super Expedition Package	<b>\$1570.00</b>

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## River Organizations

Friends of the River Foundation  
Building C, Fort Mason Center  
San Francisco, CA 94123

American Rivers Conservation Council  
322 4th St. N.E.  
Washington, D.C. 20002



Cross section of laced-in self-bailing floor



## Sprite/Scout Plus Self-Bailing Equals Perfection

**Sprite and Scout Self-Bailers** For those of you who get tired of bailing out your raft every time you go through a wave, NRS brings you THE NEW SCOUT AND SPRITE SELF-BAILERS FOR 1986. The overall dimensions have stayed the same as the 1985 standard models, but we've added a self-bailing inflatable floor for those of you who don't like to bail or for big water boaters with no time to bail. The inflated floor is above the waterline, so when water gets into your raft just keep on rowing and let gravity do the bailing! You will enjoy pulling in for a leisurely lunch stop without emptying your raft from the last set of rapids.

The self-bailing floor is a "sandwich" construction of 1260 and 420 denier EPDM/neoprene material that is 1.5 mm thick. The edge of the floor and the main tube stub are made with a double thickness of floor material glued together. Brass grommets are fastened to both the floor and the stub. This construction counters the stress that the inflatable floor puts on the grommets and the material.

The Sprite and Scout have a thick inflatable beam in a three-section floor with a pressure relief valve to prevent overinflation. Shipped motor freight collect.

- |                                   |                 |
|-----------------------------------|-----------------|
| <b>1060</b> Sprite II Self-Bailer | <b>\$785.00</b> |
| <b>1080</b> Scout II Self-Bailer  | <b>\$985.00</b> |

**Sprite II** A terrific paddling boat for four to six people, and just right for two or three with a rowing frame. You'll find that the Sprite is buoyant and exciting, with quick response, yet doesn't act skittish in big curlers. Drop on a rowing frame and you are off for a great trip. Sprite has a 9" bow rise to help it ride over those big waves and generous 18" diameter tubes for a drier ride. Shipped motor freight collect.

**050** **\$595.00**

**NRS Scout II** Looking for a boat to handle all the water? The Scout is the perfect choice for those that want a large raft but don't want to empty their pocketbook. Great for large groups of day-tripping paddlers, the Scout really shines on longer trips and bigger water. Large, four-chambered buoyancy tubes for safety, and plenty of room for the extra gear that always accompanies large groups. Shipped motor freight collect.

**070** **\$745.00**

**Sprite II Paddler's Package** Includes the Sprite II or Sprite II Self-Bailer, NRS Foot Pump, repair kit and four Carlisle Standard Paddles. Choose from 56" or 60" paddles—two of each, or all four the same size (please specify paddle length when ordering). Shipped motor freight collect.

- |                                      |                 |
|--------------------------------------|-----------------|
| <b>051</b> Paddler's Pkg             | <b>\$670.00</b> |
| <b>061</b> Self-Bailer Paddler's Pkg | <b>\$850.00</b> |



Sprite II

## Affordable Whitewater Performance—

NRS developed the Sprite and Scout to offer you the features you want most at a price you can afford. Design makes the difference. The Sprite and Scout are the culmination of developments that started with our first models almost ten years ago. They are higher quality and have more features than any other boats in their price range or than even the more expensive boats.

The Sprite and Scout are much more than basic transportation. They feature:

- Strong 840 denier nylon calendered with EPDM rubber
- 1260 denier, EPDM/Neoprene Wrap-up floor which provides two fabric layers in critical abrasion areas
- Four main tube air chambers for safety
- Sixteen 2" stainless steel D-rings
- Proven "disc" method of thwart attachment
- Military style valves for quick inflation and deflation
- Pressure relief valve in the floor of the self-bailers to prevent overinflation
- Wear patches to protect tubes from frame wear and provide a non-slip surface for paddlers
- Two step bow and stern rise for dryness and maneuverability
- Attractive blue material with yellow rubbing strake
- Colorful blue/white braided lifeline

These features are the result of many years of development aimed at producing reasonably priced rafts suitable for both paddlers and rowers. The Sprite and Scout are truly outstanding values for your rafting dollars.



Scout II on Main Salmon

Jane Cote

**? Call Customer Service  
208-882-2383**



# Otter

## Otters Love Whitewater

4

**NRS Otter** Serious about river running? Don't overlook our "Volskraft". We designed the Otter as an all around boat, great for fishing, trolling on lakes, or relaxed day-tripping on your local river. But some of you have discovered what a great paddle boat it is for big Class III and even Class IV water. We at NRS caught the fever and many of us became addicts—spending every spare weekend "testing" Otters on Idaho's justly famous whitewater rivers. Some owners insisted on using the Otter in even tougher situations, making rowing frames and challenging the really big water. We listened and created the Otter Wrap-Floor for the demanding small-raft boatman. Packs a lot of extra features in the same, proven Otter design.

When originally designing the NRS Otter, we wanted a fun, responsive craft suitable for many different water conditions, but one which a boater on a budget could afford. The NRS Otter provides an exciting whitewater ride for four or five paddlers. It offers stability to get through fast drops, and maneuverability for tricky rock gardens.

The NRS Otter features a parabolic bow chamber which increases gradually in diameter from 16 1/2" to 24", and an enlarged rear chamber that supports the stern paddler and also helps prevent swamping from the rear by big waves. Two inflated cross thwarts (which provide additional seating, rigidity, and buoyancy) are carefully placed to give paddlers maximum comfort and bracing capability. For added safety, the two main air chambers are formed at the front and back rather than side to side, and all chambers have recessed military-style valves for quick inflation/deflation.

The NRS Otter's durability and longevity are due to the reinforced 840 denier nylon fabric floor and the 420 denier nylon fabric tubes, protected by a rubberized coating that makes the NRS Otter airtight and resistant to abrasion and weathering. The 3/16" polypropylene lifeline is secured by web-reinforced rubber guides and attaches to a 1 3/4" D-ring on the bow.

The NRS Otter offers more fun per dollar than any other raft on the market. It carries our limited six-month warranty against defects in materials and workmanship.

**1020**

**\$255.00**



Otter with optional rubber oarlocks and motor mount



Otter on Lochsa

Bill Parks

### The Otter Design

River runners welcomed the raised bow and stern as a major breakthrough in designing rafts for high maneuverability in whitewater rivers. While that design is now the standard for river rafts, Northwest River Supplies has found that a parabolic bow tube provides superior handling characteristics for smaller rafts like the Otter, making it possible for paddlers to take them safely into big water.

The parabolic bow decreases the already short wheelbase so the Otter can change direction quickly and yet achieve dynamic stability if paddlers dig in and brace. The bulbous Otter bow deflects water without being held by it, helping paddlers push through abrupt transitions. Such a large bow provides a strong, stable platform for the front paddler to brace forward and pull the raft through the curls.

The Otter rides drier than most other small conventional rafts because the side tubes increase in size as they join the bow. The added height at the vulnerable front corners decreases the water taken in. The parabolic bow tube provides a smooth transition which eliminates the "water dam effect" and reduces drag.

The larger stern tube has the same effect as a raised stern in reducing drag, but is not as effective when overloaded.

The NRS Otter is a popular design solution to producing a small inexpensive whitewater raft which can not be matched for the sheer joy of running it through high class rapids.



# Otter Self Bailer

## Our Little Raft Gets Serious

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**Otter Wrap-Floor** Because of the Otter's popularity and the demand for an even tougher affordable raft, we created the Otter Wrap-Floor. Built using the same dimensions as the basic Otter, the wrap-floor features a strong 1200 denier floor wrapped to the midline of the 420 denier tube. The Otter Wrap-Floor comes equipped with ten mounted D-rings and frame wear patches.

**1030** \$345.00

**Otter Frame** The Otter Frame is made for whitewater, and is perfectly matched to the Otter or Otter Wrap-Floor. Rectangular steel side rails, special offset oarlock stands and 3/4" Skidguard seats for the boatman and passengers. Assembled dimensions of 52"L x 56"W. Disassembles quickly into a compact bundle. Fits the Otter and Otter Wrap-Floor as well as many other small rafts.

**1220** \$97.50

**Otter Wrap-Floor Frame Packages** Fisherman's Package includes the NRS Otter Wrap-Floor, Otter Frame, NRS Pump, four 3' HD straps, repair kit and two 7' Carlisle Lifeguard Oars with Wynn Oarlocks. Add \$40.00 for a spare Lifeguard Oar with oarlock.

Whitewater Package has the NRS Otter Wrap-Floor or NRS Otter Wrap-Floor Self-Bailer, Otter Frame, NRS Pump, four 3' HD straps, repair kit and two 7' HD Carlisle Rafting oars with Original, Standard or Magnum blades (p 15; add \$8.00 if you want Outfitter blades), and Pins and Clips. Add \$55.00 for a spare oar with clip. Strongly recommended!

**1035** Fisherman's Package \$545.00

**1036** Whitewater Package \$575.00

**1045** Self-Bailer Whitewater Pkg \$675.00



Self-Bailing Otter with Skidguard frame.

**Self-Bailing Otter** Of course we knew the theoretical advantages of a self-bailing Otter, but we were amazed when we took our second prototype down some big class three water with two experienced paddlers and two beginners. The S/B Otter was so responsive the paddlers sometimes had to back off a bit to keep from overpowering each other. You can go virtually anywhere you want to in a rapid, taking one wave after another without even thinking about slowing up to bail the raft.

**1040** \$465.00

**Otter Paddler's Package** Provides everything you need to have a high-floating good time on the river. Includes the NRS Otter, Otter Wrap-Floor or Otter Wrap-Floor Self-Bailer. We've included our NRS Foot Pump, repair kit and four Carlisle Economy paddles. Two paddles are 54" and two are 60"; if you need all 60" or all 54", just ask.

**1021** Otter Paddler's Package \$315.00

**1031** Otter WF Paddler's Package \$385.00

**1041** Otter WF SB Paddler's Package \$495.00

## And for the Boatman on a Budget...

**Otter Oarsman Package** For those who would rather row but want to avoid a frame. It's a good set-up for fishing or for mild river runs. Along with the NRS Otter or Otter Wrap-Floor, you get the NRS Foot Pump, two 6' Carlisle Economy Oars, an Otter Motor Mount (2 hp maximum), Rubber Oarlocks, a pint of carboline and a repair kit.

**1022** Otter Oarsman Package \$325.00

**1032** Otter WF Oarsman Package \$395.00

**Otter Accessories** In combination with the glue-on Otter Rubber Oarlocks, we offer 6' Carlisle Economy Oars with 5 1/2" wide blade and rigid, thick-walled aluminum shaft. If you prefer to use a rowing frame (Otter Frame or comparable), we suggest the 7' Carlisle Rafting Oars and the Sawyer Oars as described on pp 14 and 15. For motorists, there is the Otter Motor Mount (2 horsepower maximum). The Budget Foot Pump (p 24), though inexpensive, is well-built and works on the NRS Otter.

New for 1986, we are offering Carlisle Lifeguard Oars. These are a sturdy oar for a good price. Also new for 1986 are Wynn Oarlocks, an economical set for flatwater.

**1026** Otter Rubber Oarlocks \$12.00 pr

**1415** Wynn Oarlocks \$12.00 pr

**1025** Otter Motor Mount \$20.00

**1375** 6' Carlisle Economy Oar \$15.75 ea

**1380** 7' Carlisle Lifeguard Oar \$41.00 ea

**1706** Budget Foot Pump \$22.50

**1805** Otter Cargo Platform \$25.75



Floor of Self-Bailing Otter



# Sport II

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Sport II with Universal Frame on Lochsa

Bill Parks

## Sport II—Our Most Popular Raft

The Sport II has been accepted throughout the United States as the best recreational whitewater rowing raft available today.

The popularity and success of the Sport II is the result of many days on the river observing what design features create a high performance raft.

Most experienced rafters realize that a wet boat takes much of the water over the sides, particularly at the point where the bow rise begins. The boat needs a transition so the bow flotation has time to bring the bow up and reduce incoming water over the front corners. Too much bow rise and the boat can be stopped and lifted too high in big water, with the passengers then unable to lean forward and successfully "spear" the boat into big curls. We raised the bow and stern 11" to reduce incoming spray; this two-stage uplift starts gradually and shortens the effective waterline for increased quickness and a smooth ride over rough whitewater.

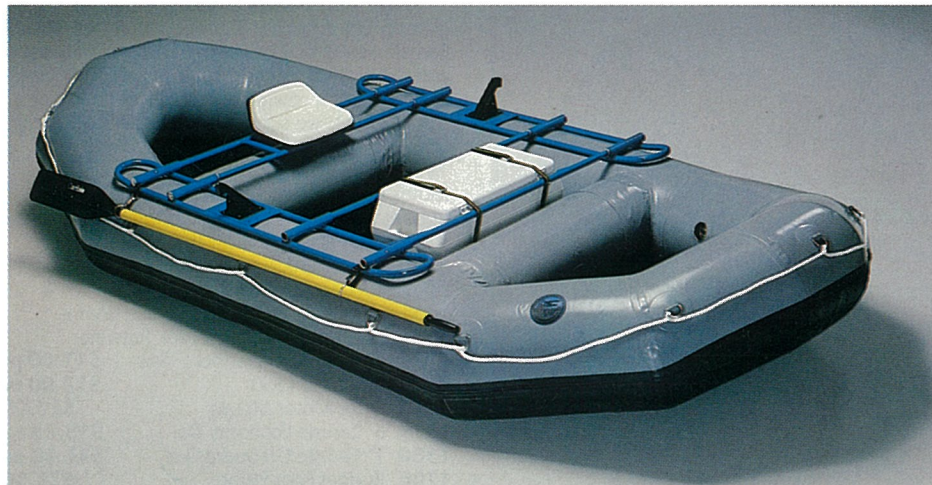
We wanted a raft equally at home on a day trip on our own local rivers, a week on the Middle Fork of the Salmon or a month on the Colorado in the Grand Canyon. The Sport does all this and more. It performs like a 13' boat in a narrow rock garden or like a 16' boat maneuvering through Lava Falls.

To implement our design, and guarantee quality control, we asked the Achilles company in Japan to produce the Sport II. Achilles' uncompromising workmanship and excellent materials ensure the Sport II's long life. For extra durability, the Sport II has a 1260 denier, 58 oz high density black neoprene floor. The tubes are built of top quality nylon 66 calendered with 80% DuPont Hypalon.

The Universal, Super, Bighorn I and II, as well as the Large Longhorn frames fit the Sport II. The Sport II's quickness and maneuverability make it an excellent big-water paddle boat! Shipped motor freight collect.

1001

\$1,345.00



Sport II Wrap-Up with Universal Frame and 80 qt Gott Cooler

## What a deal!

If you don't see a package of your choice, pick the accessories you want when you buy a raft and receive a 10% discount on those accessories. Write or call us for complete information on producing your own package deal.

## Sport II Wrap-Up With Professional Specifications

Northwest River Supplies brings you the advantages of the Sport II in a commercial model, with the heavy-duty 1260 denier 58 oz floor material wrapped up to the mid-line of the tube. So for those who run or rent boats on the roughest and rockiest rivers, we offer the ultimate. Motor freight collect.

1010

\$1,675.00

**Sport II Specifications** 14' 9"L x 7"W; 20 1/2" diameter main tubes; 15" diameter thwarts; 11" bow and stern rise; 45"L x 41"W center compartment; six (four main, two thwarts) air chambers with recessed military style valves; 840 denier, 43 oz 80% Hypalon tube material; 1260 denier, 58 oz neoprene floor material; 14 mounted D-rings, and a lifeline. The Sport II comes with a five-year guarantee against defects in material and workmanship, weighs 140 lb (Sport Wrap-Up 167 lb) and is shipped motor freight collect.

**Sport II Packages** If you need a complete whitewater setup for your Sport II, one of the following Sport Packages is the best value for your money. Each package includes the Sport II or Sport II Wrap-Up, the NRS frame of your choice (see below), three 9' Carlisle oar shafts with Original, Standard or Magnum STM blades (see p. 15, add \$10.00 if you want Outfitter blades), four 3' HD straps, one set of Pins and Clips, one Extra Clip (or Open Oarlocks and three Molded Oar Sleeves), and the NRS Pump. You can also receive a 10% savings on any accessories purchased when you buy a Sport II package. Shipped motor freight collect.

1002	Sport II Universal Pkg	\$1,825.00
1011	Sport II Wrap-Up Universal Pkg	\$2,125.00
1003	Sport II Super Pkg	\$1,865.00
1012	Sport II Wrap-Up Super Pkg	\$2,170.00
1004	Sport II Bighorn Pkg	\$1,740.00
1013	Sport II Wrap-Up Bighorn Pkg	\$2,045.00



# Achilles

## Achilles Riverboats

Achilles uses 80% Hypalon-coated nylon fabric that's flexible, airtight, and wear-resistant. The fabric is woven from premium Nylon 66 thread rather than the more common Nylon 6. Skilled workers assemble each boat with care, using the latest manufacturing technology. Achilles backs their boats with a special five-year guarantee on material and seams. Looking for an Achilles smaller or larger than what we have listed? Drop us a line and we'd be happy to tell you what else is available.

### "Muscle Power"—The RV Series

The RV line is the "muscle boat" that Achilles is using to grab a big chunk of the professional river-running market away from its competitors. Achilles uses a high density material (50% denser!) on the RV rafts. This material, combined with the wrap-up floor and frame wear patches, makes the RV a tough boat. With large tubes, they maneuver with the best of them.

**RV-140** This boat offers a lot of room without being bulky. With its tough material and wrap-up construction it goes well with our frames for superior performance under difficult conditions.  
1110 **\$1,795.00**

**RV-160** This is a big heavy-duty raft that just begs to be loaded down. Still has good maneuverability with heavy loads.  
1111 **\$2,295.00**

### Lightweight CVs Can Handle the Tough Water

For its CV series, Achilles uses their highest quality 80% Hypalon compound calendered to Nylon 66 in a 420 denier tube fabric. The floor is Nylon 66 840 denier fabric calendered with high density neoprene and brought up in a semi-wrap to protect the lower tube.

**CV 126** This is our choice for a versatile, lightweight, compact boat for any river and all occasions. You can paddle it on a weekend outing, or take it for a week down the Green. It handles beautifully as a rowing boat for two or three people and gear, or it can accommodate four, five, or six as a paddle boat. Shipped motor freight collect.  
1100 **\$1,125.00**

**CV 140** For rowing the family down almost any North American river. It is fast, maneuverable, stable, and rugged. Not only is it an excellent rowing boat, but with its 19 1/2" tubes and 6'10" width, it makes a great group paddle raft. Shipped motor freight collect.  
1101 **\$1,325.00**



Achilles RV-160 on Lochsa

Bill Parks

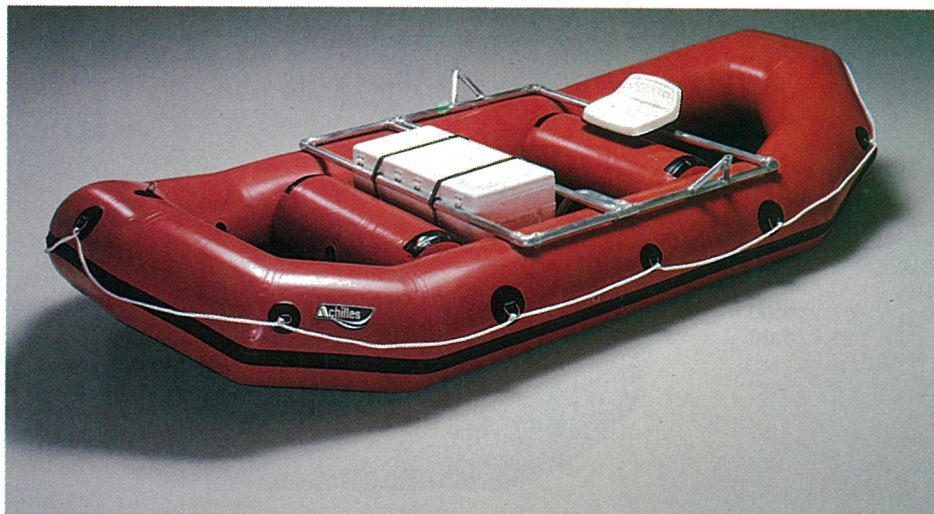
### Achilles SV Series

If you imagine the qualities you most desire in a river boat, offered in an efficient and economical package, you'd invent the Achilles SV series. Though originally built for the recreational boater, the SV Series rafts are used by many commercial outfitters as well. The strong 43 oz tube material saves a significant amount of weight over comparable RV models, yet they use the same 1260 denier floor material that has become the hallmark of Achilles' toughest boats.

**SV-126** This 12 1/2' boat is the paddler's "luxury liner." Outfitters and rental shops are flocking to the SV-126 for its outstanding performance, quality construction and proven durability.  
1105 **\$1,215.00**

**SV-140** A perfect boat for the oarsman who doesn't want to agonize over space considerations or carrying capacity.  
1106 **\$1,475.00**

**SV-156** The 15 1/2' SV model has the added protection of a wrap-up floor, and many of the great performance characteristics of the NRS Sport II in a slightly larger raft.  
1107 **\$1,875.00**



Achilles SV-140 with Bighorn I Frame and 172 qt Gott Cooler

## What a deal!

If you don't see a package of your choice, pick the accessories you want when you buy a raft and receive a 10% discount on those accessories. Write or call us for complete information on producing your own package deal.



**TOLL FREE ORDER LINE**  
**800-635-5202**



# Riken

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Riken Mohawk

Dan Baxter

## Innovative Riken

The **River Rider 14' and 15'** are popular because of their quality construction and reasonable cost. For 1986, Riken has improved the River Rider series by adding full length frame wear patches and lacing in both thwarts. To improve handling, they have made the bow more rounded.

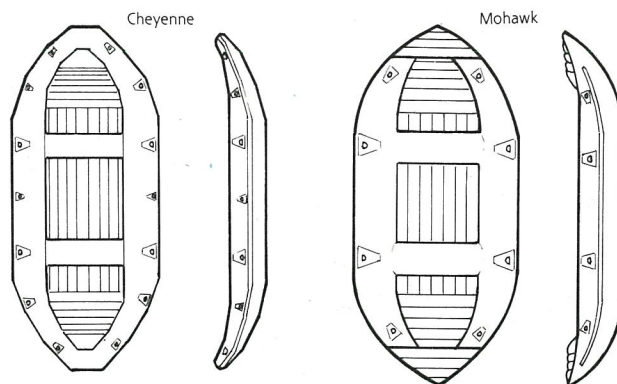
Large cooler frames (Bighorn or Universal), fit the River Riders nicely, making them a good choice for longer raft trips. The River Rider 14' is an excellent five or six-person paddle raft. All River Riders have wrap-up floors for increased protection against abrasion and puncture, and feature three main air chambers plus two thwarts, all with military-style valves. We stock 14' and 15' River Riders. Shipped motor freight collect. See p 10 for specifications.

**1120 RR-14'** \$1,280.00  
**1121 RR-15'** \$1,450.00

**River Rider 14' & 15' Self-Bailer** The Self-Bailing River Riders have incorporated the same changes made on the standard River Riders plus some improvements on their inflatable floors. The laced-in self-bailing floor has one chamber, I-beam construction and is made of durable 1200 denier material. Their newly designed floor lifts smoothly and gradually like the bow and stern rise of the raft tubes. This improves handling and maneuverability. The inflated floor extends down an additional 3" beneath the tubes for added buoyancy. See p 10 for pricing and specifications. Shipped motor freight collect.

**1125 RR-14' Self-Bailer** \$1,715.00  
**1126 RR-15' Self-Bailer** \$1,925.00

**Please note:** If you are interested in Cataracts, call Alan at (208) 882-2383.



**Miwok and Shoshoni—The Riken Red Line** Riken Red Line boats are high-quality rafts that can handle any river situation. Their tube material is 30 oz, 840 denier, 80% Hypalon-coated. The floor material is a high density, 840 denier, 44 oz material coated with a neoprene blend. This material keeps the overall weight of the raft down without sacrificing durability. The Miwok is considered a classic boat for private river runners with plenty of room for four on most trips. The Pawnee is a slightly larger version of the Miwok and has a self-bailing floor. The Miwok and Shoshoni both have a wrap-up floor. The Shoshoni is popular for commercial and big-water use. Shipped motor freight collect. For dimensions and pricing see p10.

**1131 Miwok WF** \$1,755.00  
**1134 Pawnee Self-Bailer** \$2,490.00  
**1135 Shoshoni WF** \$1,955.00

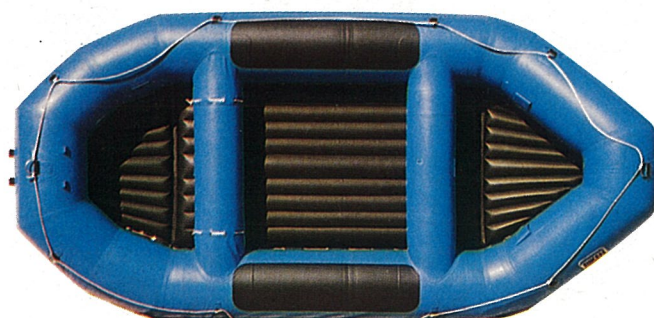
**Tahoe and Mohawk Self-Bailers** Riken has come up with some radical new designs for the Tahoe and Mohawk. These changes start with a new polyester base fabric coated with 80% Hypalon. The polyester fabric does not have the stretch of nylon, so it gives you a more rigid and responsive craft while reducing the weight.

The 19" side tubes taper down in size towards the bow and stern and are connected with an inflatable dodger. The result of this European design is a slightly pointed end that punches through waves while smoothly lifting the raft, preventing the raft from stalling out in a hole. The self-bailing floor is a single chamber 5 1/2" thick I-beam lace-in floor. This adds flotation and allows the raft to be used at lower water levels than rafts with conventional floors. The diminishing tube design allows for extra cargo space in the bow & stern compartments, and significantly reduces the overall weight of the raft.

**1130 13' Tahoe** \$2,370.00  
**1132 14' Mohawk** \$2,505.00

**Cheyenne and Nez Perce Self-Bailers** Riken has incorporated the diminishing tube design (as described in Tahoe/Mohawk) with these new high-performance rafts. The 15' Cheyenne has 20" side tubes that taper down to a single 12" cross-tube at the bow and stern. The 16' Nez Perce tapers from 21" down to 14". This gradual curved design increases the lift without raising the bow & stern height and allows the raft to ride smoother and take on less water.

Polyester/Hypalon material used in the floor and tubes results in greater rigidity and lighter overall weight. 5 1/2" I-beam lace-in floor.  
**1133 15' Cheyenne** \$2,865.00  
**1136 16' Nez Perce** \$3,175.00



River Rider 14' Self Bailer

Dan Baxter



# Sotar/Avon/Sevytex



Self-Bailing SOTAR 14'

Jim Cassady

9

## What a deal!

If you don't see a package of your choice, pick the accessories you want when you buy a raft and receive a 10% discount on those accessories. Write or call us for complete information on producing your own package deal.

## State of the Art Raft

**Whitewater Manufacturing's Self-Bailing "SOTAR"** Jim Cassady, Bill McGinnis and others put their heads together with Whitewater Manufacturing and produced this inflatable-floor, self-bailing raft that makes real sense: the **"SOTAR"**, State Of The Art Raft. These rafts have qualities not available in any other raft. They use an extremely thick (8") "air mattress" style, reinforced PVC floor with grommets around the perimeter laced into floor stubs on the main tubes. These high performance rafts have characteristics that make them very desirable not only for outfitters, but for recreational boaters as well. Available in 12', 13', 14', 15' & 16' lengths.

**1146** 14' SOTAR Self-Bailer

**\$2,295.00**

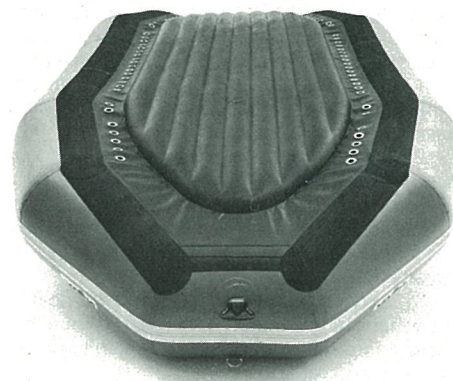
## Avon Boats— The Classics

Avon has been designing and manufacturing inflatable boats for 25 years, and is recognized worldwide for building superior river-running craft. The Avon material has a layer of heavy duty nylon fabric sandwiched between two layers of 85% DuPont Hypalon. This high Hypalon content makes a very lightweight, yet extremely durable material. Avon's fabric is guaranteed for five years. Avon rafts are equipped with anti-chafing strips,

D-Rings, lift handles, and a repair kit. Shipped motor freight collect.

Avon introduces its version of the self-bailing raft which uses a non-removable inflatable floor with stainless steel grommets on the edge. The water drains out the grommets instead of between the lacings as in other self-bailers. When completely full, the Avon self-bailer takes 7 to 10 seconds to drain the water. This delay allows the Avon to flush out of some holes that may hold other faster-draining self-bailers. At 130 lbs, the Avon Adventurer is also very lightweight. Among Avon's most popular

models are the Scout, Adventurer and Professional. See the chart on p 10 for specifications and prices.



Floor of Avon Adventurer Self Bailer

## New Sevytex

**Sevytex TX350RB River Raft** Sevytex introduces a low-priced PVC river raft. Heavy-duty PVC material reinforced with polyester ripstop thread. This polyester grating makes the boat durable and strong. Three air chambers plus two lace-in inflatable thwarts. Features a pressure relief valve to prevent over inflation. Handles at both ends and accepts an optional motor mount. The main tubes are 15 1/2" and the bow and stern rise is 12".

**1145**

**\$625.00**

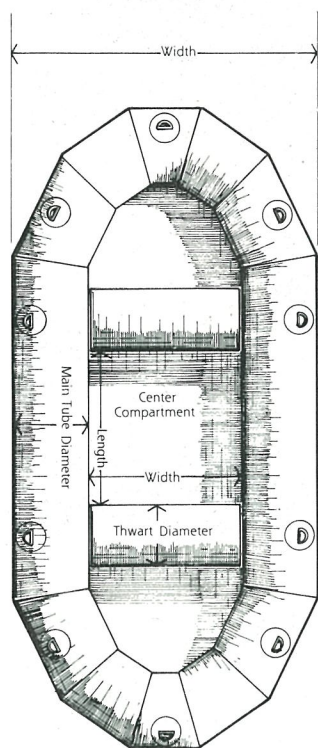
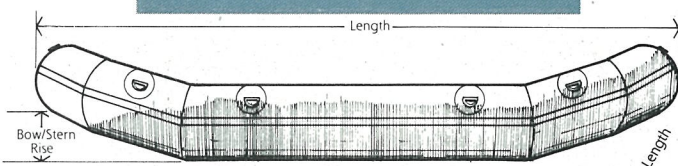


Sevytex TX 350RB



# Raft Specs

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	Length	Width	Main Tube Diameter	Thwart Diameter	No. of Main Tube Chambers	Center Compartment Length/Width in inches	Bow/Stern Rise in inches	Tube material Denier/oz sq yd	% and Type of Tube Coating*	Floor material Denier/oz sq yd	No. of Drings	Suggested Oar Length in feet	Unboxed Boat Wt (lb)	Price
<b>NRS</b>														
Sport II	14'9"	6'10"	20.5"	15"	4	45/41	11/11	840/43	80H	1260/58	14	9-10	140	\$1,345
Sport II WF	14'9"	6'10"	20.5"	15"	4	45/41	11/11	840/43	80H	1260/58	14	9-10	167	\$1,675
Otter	11'2"	5'6"	16.5"	13"	2	26/35	0/0	420/26	50E	840/30	1	6-7	52	\$255
Otter WF	11'2"	5'6"	16.5"	13"	2	26/35	0/0	420/26	50E	1200/37	10	6-7	62	\$345
Otter Self-Bailer	11'2"	5'6"	16.5"	10"	2	26/35	0/0	420/26	50E	1200/37	10	6-7	85	\$465
Sprite II WF	12'6"	6'	18"	14"	4	38/36	9/9	840/30	70E	1200/37	16	7 1/2-8	95	\$595
Sprite II Self-Bailer	12'6"	6'	18"	10"	4	38/36	9/9	840/30	70E	1200/37	16	7 1/2-8	115	\$785
Scout II WF	13'10"	6'10"	20"	15"	4	42/42	11/11	840/30	70E	1200/37	16	8-9	125	\$745
Scout II Self-Bailer	13'10"	6'10"	20"	10"	4	42/42	11/11	840/30	70E	1200/37	16	8-9	145	\$985
<b>Achilles</b>														
CV 126	12'6"	6'1"	18"	14"	3	39/36	10/10	420/37	80H	840/48	12	7 1/2-8	75	\$1,125
CV 140	13'6"	6'8"	19.5"	16"	3	43/42	9/9	420/37	80H	840/48	13	9-10	100	\$1,325
SV 126	12'6"	6'1"	18"	12"	3	39/36	7/7	840/43	80H	1260/58	12	7 1/2-8	90	\$1,215
SV 140	14'	6'8"	19.5"	15.5"	4	43/41	10/10	840/43	80H	1260/58	13	9-10	120	\$1,475
SV 156	15'6"	7'1"	20.5"	16.5"	4	41/42	11/11	840/43	80H	1260/58	13	9-10	165	\$1,875
RV 140	14'	6'8"	20"	15.5"	4	43/40	10/10	840/48	80H	1260/58	11	10-11	155	\$1,795
RV 160	16'	7'6"	22"	16.5"	4	45/44	11/11	840/48	80H	1260/58	11	10-11	185	\$2,295
<b>Avon</b>														
Scout	12'	5'10"	17"	15"	3	41/36	9/9	840/35	85H	1690/41	6	7-8 1/2	80	\$1,625
Adventurer MK V	13'10"	6'9"	19"	15"	4	41/43	9/9	840/36	85H	840/40	10	9-10	99	\$2,130
Adventurer MK V Self-Bailer	14'2"	7'1"	20.5"	13"	4	41/43	9/9	840/36	85H	840/40	10	9-10	130	\$2,795
Professional MK VI	16'	7'4"	21"	16.5"	4	45/46	12/12	840/36	85H	1680/41	12	10-11	119	\$2,875
Pro MK VI Self-Bailer	16'	7'4"	21.5"	14"	4	45/46	12/12	840/36	85H	1680/41	12	10-11	159	\$3,735
<b>Riken</b>														
River Rider 14 WF	13'6"	6'8"	19"	15"	3	41/41	10/4.5	420/35	25H	1200/39	10	9-10	115	\$1,280
River Rider 15 WF	15'	6'10"	20"	17"	3	41/42	9/7.5	420/35	25H	1200/39	12	9-10	132	\$1,450
RR 14 Self-Bailer	13'6"	6'8"	19"	13"	3	41/41	10/4.5	420/35	25H	1200/39	10	9-10	135	\$1,715
RR 15 Self-Bailer	15'	6'10"	20"	14"	3	41/42	9/7	420/35	25H	1200/39	12	9-10	155	\$1,925
Tahoe Self-Bailer	13'	6'	19"	12.5"	4	41/34	8/8	840/30	80H	840/44	10	8-9	135	\$2,370
Miwok WF	13'6"	6'8"	19"	17"	4	42/42	8/8	840/30	80H	840/44	10	8-9	126	\$1,755
Mohawk Self-Bailer	14'	6'8"	19"	13"	4	42/42	9/9	840/30	80H	840/44	10	8-9	159	\$2,505
Cheyenne Self-Bailer	15'	6'10"	21" 1/2"	14"	4	42/43	17/17	840/30	80H	840/44	16	8-9	179	\$2,865
Pawnee Self-Bailer	14'8"	7'	21"	15"	4	42/43	9/9	840/30	80H	840/44	16	9-10	190	\$2,490
Shoshoni WF	16'	6'10"	19"	17"	4	44/46	10/10	840/30	80H	840/44	12	10-11	144	\$1,955
Nez Perce Self-Bailer	16'	7'2"	21" 1/4"	15"	4	44/43	16/16	840/30	80H	840/44	16	10-11	188	\$3,175
<b>Whitewater Manufacturing</b>														
SOTAR 14' Self-Bailer	14'	6'8"	20"	12"	4	42/40	12/12	1250/32	100P	1250/50	6	9-10	120	\$2,295

\*H = Hypalon; P = PVC; E = EPDM

## Which Raft for You?

NRS recommends that you investigate six factors while making your decision, listed here in order of priority for most rafters.

**1. Type of river.** The rivers that you intend to run should influence your decision most about which raft to use. A highly maneuverable raft that's perfect for small rivers with intricate, shallow channels won't be as well suited for large pool and drop rivers which require only that you line the raft up correctly before the rapid and then hang on for all you're worth! Many rafters want to run both types of rivers, and will have to balance maneuverability in tight corners against stability in big water.

**2. Length of average trip.** If you only go on day trips or overnights, you don't need to allow for extra storage space. On day or even weekend trips, a raft that will carry a specified number of people comfortably will also carry their gear, though it might get tight! For longer trips, there is no choice but to use a larger raft with greater storage area.

**3. Excitement vs stability.** A small boat that responds actively to the water can make even a relatively calm river exciting and challenging. A larger boat is more stable, more sedate and offers greater cargo capacity.

**4. Number of passengers.** A boat that's built for four people to ride in comfort will be mighty crowded packed with eight passengers. On the other hand, a boat built to carry eight on an extended trip will seem ridiculously roomy (and hard to handle) for two lone paddlers. Fortunately, all boats will accommodate a range of passengers (2-4, 4-6, etc.), so select the range you will most often need.

**5. Paddle or row?** In the West, the tradition has been to row rafts; in the East, people paddle. More and more Western boaters are adopting paddles for the exhilaration and comradeship that paddling offers, and an increasing number of Eastern rafters are discovering the power and maneuverability of rowing. Fortunately most modern rafts have a symmetrical bow and stern equally suited for either method of

propulsion. A larger raft, however, cannot be handled by only two paddlers, so will require a rowing frame and oars when you're taking trips with few people.

**6. Budget.** Though budget may be your first priority, we list it last because the other factors narrow your choice considerably. Beginning rafters might consider a less expensive model to see how well they like the sport, then move up later to a higher quality boat. NRS rafts offer extra values for you because NRS supervises design, material selection, manufacture, and distribution. Whichever raft you choose, we are here to give you helpful information and quality service.

## RAFT MATERIALS

**Fabric:** The strength of raft material is determined primarily by the strength of the underlying fabric. Fabric strength is determined largely by thread characteristics: type (nylon or polyester), strength (nylon 6 or 66), and weight (denier). The other important factors in fabric strength are the fabric density (thread count per inch), and the process used to make the fabric.

**Coatings:** Ingredients and process are both important. Every coating compound contains rubber filler and formulation. Fillers range from 40% to 60% (or more) of the compound. The rubber formulation is usually either Hypalon, Neoprene, EPDM (Ethylene Propylene Diene Monomer), or a combination. More expensive material contains high percentages of the more durable rubber formulations. Neoprene and EPDM are commonly used in less expensive rafts.

Compounds are bonded to the underlying fabric by either calendaring or spreading. Calendaring is the best process, and can produce extremely tough and abrasion-resistant surfaces. In calendaring, the rubber is squeezed onto and into the fabric by huge pressure rollers. Spreading is less expensive and until recently was the most common method.





## Improved in '86!

**Spare Oar Keeper** No more fussing with partial solutions! The 1986 NRS Spare Oar Keeper includes two steel safety rings, two 18" straps and a specially designed and engineered non-corrosive quick release snap with safety catch and stainless steel spring to hold your spare oar securely, yet release it instantly when needed. The quick release buckle and O-ring are suspended from your frame. Release the buckle, the oar is free, and the mechanism is still attached to the frame for quick re-rigging. If frame section diameter is more than 3" please ask for special straps. (No charge) Best device yet to hold your spare oar.

- 1425** NRS Spare Oar Keeper (Carlisle) **\$9.95**  
**1426** NRS Spare Oar Keeper **\$10.95**  
 (all other oars)

**A Oar-Rights** This is what all open oarlock users have been waiting for. It is a plastic oarstop that has a blade guide built right onto it. With this system you get the vertical blade position achieved with pins and clips along with the feathering ability of open oarlocks. While the stopper is against the oarlock you have a five degree feathering range either forwards or backwards. Pull the oars inward 4 1/2" and you can feather as much as you like. Made of super strong molded nylon plastic, these stoppers will take a lot of punishment. The Oar-Right is adjustable and fits most wrapped oars. For Carlisle oars, we suggest mounting the Oar-Right on top of the Molded Oar Sleeve (#1405). Oar-Right has an adjustable inside diameter from 2" to 2 1/4". Held in place by stainless steel bolts with an optional lower end mounting screw (included).

- 1404** **\$15.00 pr**

**B Wynn Oarlocks with Delrin Bushings** Wynn clamping oarlocks are designed for non-technical rowing situations, such as fishing or duck hunting. They do not fit standard Carlisle oars, but they do fit the new Lifeguard oar as well as Carlisle Economy oars (with a light wrap) and shorter wood oars (up to 8 feet). The long wearing Delrin bushings eliminate the annoying metal-on-metal squeak.

- 1415** **\$12.00 pr**

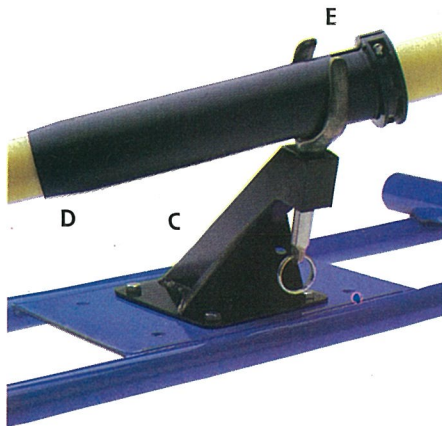
## Beef Up Your Homemade Rowing Frame

**C Oarlock Stand** Professionally designed and manufactured for heavy-duty river use, our Oarlock Stand has a 5 1/4" square steel base with four mounting holes and a welded steel bracket that rises 6". The socket is 5/8" diameter, with a 14 degree outward tilt for correct oar angle. On homemade rowing frames, the Oarlock Stands will make an amazing difference.

- 1423** **\$38.00 pr**

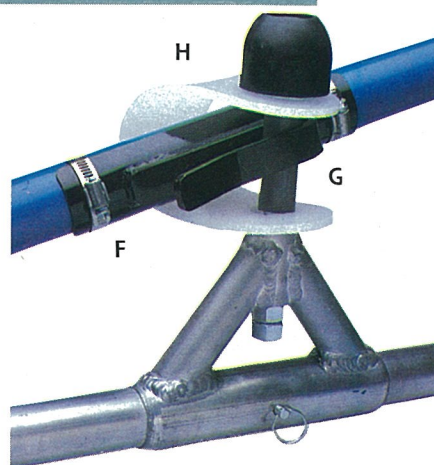
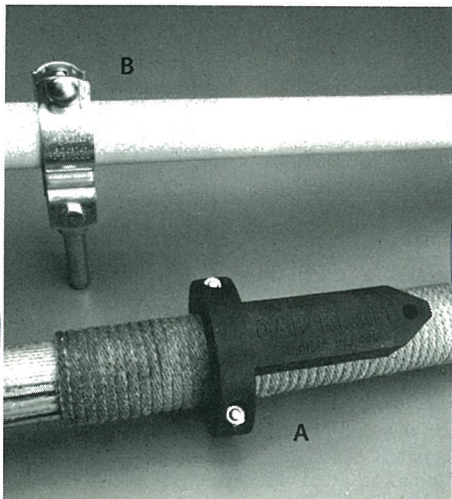
**D Molded Oar Sleeves** If you use Carlisle Oars with open oarlocks, try Molded Oar Sleeves instead of radiator hoses, clamps and stoppers. The sleeves are injection-molded polyethylene with integral stoppers. Slide them onto the oarshaft (heating them in a pan of warm water makes this much easier), then tighten the set screw. Overall length is 11", and the inside sleeve diameter is 1 7/8"; stopper diameter is 3".

- 1405** **\$7.45 ea**



**E Silicon Bronze Oarlocks** These horn style oarlocks spring back to their original shape if forced apart. The 5/8" diameter, 3 3/4" long shaft is drilled for a keeper; the horn opening is 2" with a 2 5/8" inner diameter. Includes a pair of Split Rings as keepers.

- 1408** **\$22.50 pr**  
**1409** Extra Split Rings **\$.60 pr**



## The Proven Oarlock System

**Pins and Clips** Beginning boaters overwhelmingly prefer Pins and Clips to open oarlocks. The Pin and Clip set-up holds the oar in position and keeps the oar blade properly aligned with the water. Some maneuvers (like feathering the oars) are not possible with Pins and Clips, but the advantages more than make up for the limitations, particularly with heavy loads in big water. One of these advantages is the ease in returning the oar to the oarlock if it is blasted off. The set contains two 5/8" diameter Pin Assemblies, two Oar Clips, and four Hose Clamps to secure the Clips to the oars.

- 1420** Pins and Clips **\$29.95**  
**F 1421** Extra Clip w/Clamps **\$9.50 ea**  
**G 1422** Extra Pin **\$7.95 ea**

## Safer Big-Water Boating

**H Carlson Oar Stirrup** You'll really appreciate Carlson's clever 1/4" polyethylene Oar Stirrups the next time your oar pops out at the top of a big drop. They rotate freely on the pin sleeve and let you guide the oar clip back onto the pin with one hand, reducing the chances of losing an oar.

- 1410** **\$12.00 pr**

**Plastic Stoppers** Allow easy adjustment of the fulcrum point on your oars when using open oarlocks. Constructed of heavy-duty plastic with locking bolts on each side. Two sizes: smaller size fitting the shorter wooden oars, larger fitting Carlisle and longer wooden oars. Designed to be used on a wrapped oar.

- 1400** Small **\$10.00 pr**  
**1401** Large **\$10.00 pr**

**1/4" Nylon Rope** To protect your wooden oars from open style oarlocks, we suggest 1/4" nylon rope, wrapped tightly and tacked in place with very small brads. 35' to 40' is required for each oar.

- 1418** **\$.10/ft**

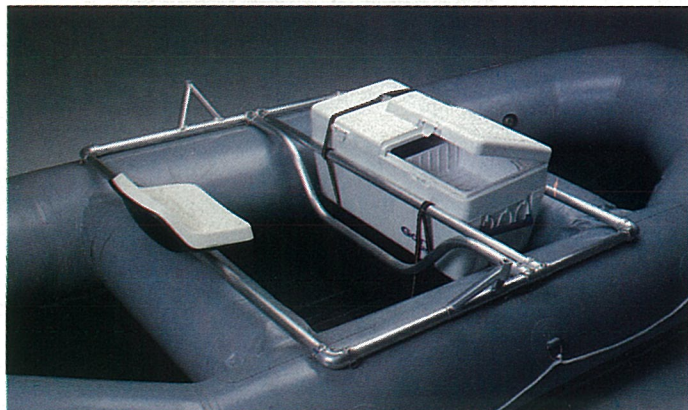
**Rubber Stoppers** Used to keep ash oars from sliding through the oarlocks. To hold the stoppers in place, use a radiator hose clamp, tape, or silicone rubber cement.

- 1402** **\$5.00 pr**

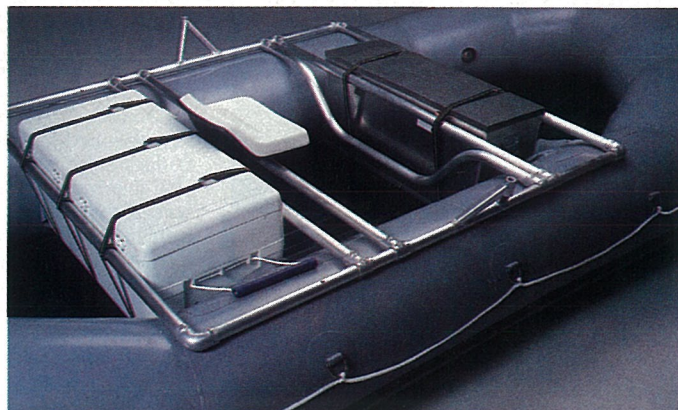


# Frames

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Bighorn I Frame with 120 qt Gott cooler



Bighorn II Frame with 172 qt Gott cooler

## Aluminum Frames

For the last nine years, NRS has been designing and redesigning rowing frames to meet the exacting demands of whitewater rafting. For 1986, your suggestions helped us re-design the Expedition Frame, as well as create the new Little Bighorn Frame. We are particularly proud that our aluminum frames are chosen by major river expeditions worldwide. Please specify raft model when ordering your frame.

**Aluminum Frame Specifications:** 6061 T-6 1 5/8" or 1 5/16" ID .143" wall thickness aluminum tubing; cast aluminum alloy fittings; 5/16" steel fast pins; adjustable oarlock stands which fit all 5/8" oarlocks or thole pins.

**Guarantee:** Five-year guarantee covering any defect in materials or workmanship (padded raft seats not included in guarantee). Shipped UPS/USPS.



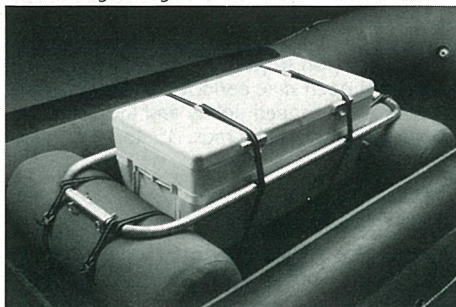
Small Longhorn Frame

## Day Tripping

**Longhorn Frame** A sensible, easy-to-use frame made specifically for short float trips.

- 1210 Small Longhorn
- 1211 Large Longhorn

\$185.00  
\$190.00



Paddle Frame with 120 qt Gott cooler

## Most Popular

**Bighorn Frame** Straightforward design and lightweight components have made the Bighorns our best-selling rowing frames. The Bighorn I will carry one cooler or dry box that fits the width of your raft's center compartment. The Bighorn II, with the easy removal of a thwart, will hold two coolers and/or dry boxes. By popular demand, we now offer the Little Bighorn, for cooler carrying capacity in the smaller rafts.

- |                     |                 |
|---------------------|-----------------|
| 1200 Little Bighorn | <b>\$255.00</b> |
| 1201 Bighorn I      | <b>\$270.00</b> |
| 1202 Bighorn II     | <b>\$360.00</b> |

## Long Trips in Small Rafts

**Expedition Frame** Designed so people with small rafts can take long float trips. The boatman sits on the cooler in our Expedition Frame, which frees up the bow and stern compartments for extra cargo or passengers. For 1986, we have utilized telescoping side rails so you can custom fit the frame to the raft and boatman. The Expedition fits boats under 13'6" and the Super Expedition fits boats from 14' to 16'.

- |                       |                 |
|-----------------------|-----------------|
| 1205 Expedition       | <b>\$375.00</b> |
| 1206 Super Expedition | <b>\$395.00</b> |



Expedition Frame with 80 qt Gott cooler

**NRS Paddle Frame** Our NRS Paddle Frame is designed to help the increasing number of paddle rafters carry a cooler and/or other cargo on their river trips. It rests lengthwise in the raft, on top of the thwarts and out of the way of paddlers sitting on the side tubes. The Frame comes outfitted with two 9' HD cooler straps and four HD straps.

- |                   |                |
|-------------------|----------------|
| 1225 Paddle Frame | <b>\$75.00</b> |
|-------------------|----------------|



## The Original

**Universal Frame** We introduced the Universal Frame in 1977, and although often imitated, it has never been equaled. We have continually improved the frame to ensure that it remains the best of its type. The four-piece frame assembles quickly, with the front cross member doubling as a foot brace and cooler cradle. Constructed of .065 wall, 1 1/4" OD, electroweld, medium carbon steel, the frame has adjustable heavy-duty steel oarlock stands.

The Universal will carry an 80 qt or smaller Gott cooler. The Super Universal is popular with outfitters because it fits larger boats and will carry up to a 172 qt Gott cooler. Shipped motor freight collect.

- 1215 Universal **\$325.00**
- 1216 Super **\$380.00**

## Sports Car Control

**Padded Raft Seat** Like flying a plane, rowing a raft requires "seat of the pants" grip for proper control. Our contoured, padded seat gives you this grip as well as reducing fatigue from a long day at the oars. Foam-padded steel seat can be retro-fit to almost any homemade rowing frame, and is standard equipment on most of our NRS frames. Durable white vinyl cover reflects heat to keep you cool and comfortable. Attaches with 5/16" bolts (two sets included). Try the high back version of the padded raft seat for great lower back support.

- 1230 Padded Seat **\$32.50**
- 1231 High Back Padded Seat **\$41.50**



Universal Frame with 80 qt Gott cooler

## Choosing a Frame

A rowing frame should give you a fulcrum for your oars, a secure seat for the oarsman, and a structure for your cargo. In choosing a raft frame, consider:

size	maintenance
durability	transport package
weight	cargo capacity



Sprite Skidguard Frame



NRS Fishing Seat

**Otter and Sprite Skidguard Frames** Rectangular steel side rails, special offset oarlock stands and 3/4" Skidguard seats for the boatman and passengers. These economical frames are built tough for use in whitewater. Although built specifically for the Otter or Sprite, these frames work well on other similarly sized rafts. The Sprite Frame has a steel foot brace suspended from the front seat. Both disassemble quickly into a compact bundle.

- 1220 Otter Skidguard Frame **\$97.50**
- 1221 Sprite Skidguard Frame **\$115.00**

## New Swivel Seat for 1986!!

**NRS Fishing Seat** This plush seat is ideal for mounting to your rowing frame as a great fishing option. It has a swivel mount on the bottom so your passenger can turn and achieve the proper presentation of his lure. Folds down when not in use or when you encounter whitewater. Mounting hardware included.

We also offer a fishing option for our Expedition and Bighorn Frames. Call us for information. **Please Note:** We do not recommend the swivel seat for the oarsman.

- 1232 **\$48.50**

Name of Frame	Weight	Length	Width	Packaged Size	HD Straps	Cooler Capacity	Padded Seat	Fits Rafts	Price
Little Bighorn	33 lbs	58"	64"	10"x6"x64"	2	1	Yes	12'-13'6"	\$255.00
Bighorn I	38 lbs	58"	72"	10"x6"x72"	2	1	Yes	13'6"+	\$270.00
Bighorn II	57 lbs	85"	72"	10"x6"x85"	4	2	Yes	14'6"+	\$360.00
Expedition	38 lbs	43"-48"	60"	21"x10"x45"	2	1	No	12'-14'	\$375.00
Super Expedition	42 lbs	43"-49"	70"	21"x10"x45"	2	1	No	14'-16'	\$395.00
Small Longhorn	28 lbs	38"	60"	10"x6"x60"	0	0	Yes	11'6"-13'6"	\$185.00
Large Longhorn	30 lbs	38"	70"	10"x6"x70"	0	0	Yes	13'6"+	\$190.00
Paddle	10 lbs	60"	19"-22"	10"x3"x60"	6	1	No	11'-16'	\$75.00
Universal	80 lbs	78"	69"-72"	28"x11"x80"	2	1	Yes	13'6"+	\$325.00
Super Universal	85 lbs	82"	77"-84"	28"x11"x85"	3	1	Yes	14'9"+	\$380.00
Otter Skidguard	35 lbs	52"	56"	12"x6"x58"	4	0	No	11'-12'	\$97.50
Sprite Skidguard	42 lbs	58"	64"	12"x6"x66"	4	0	No	12'-13'6"	\$115.00



## Carlisle Oars—Choice of Professionals World Wide

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During the last six years, Carlisle aluminum oars have virtually replaced wooden oars in the hands of both private and professional river runners. They are maintenance-free and very rugged, with removable blades to make storage and transport of the oars easier. Carlisle makes oars in several models: Our 7' and 7 1/2' Carlisle Oars are the heavy duty rafting model, with a shaft constructed from extra thick wall (.058") 6061 T-6 aircraft aluminum. The 8' and longer Carlisle Oars that we sell are extra-heavy duty, adding a 6061 T-6 aluminum reinforcing inner shaft (.058") for maximum strength in heavy whitewater use. The Carlisle rafting oar shaft is 1 7/8" in diameter and is polyethylene-clad to protect the aluminum shaft from nicks, dents, and oxidation.

New for '86, we are offering Carlisle's Lifeguard Oar in 7' and 8' lengths. These are lighter duty, economical oars intended for slow river or ocean applications. Please see the write-up below.

Carlisle's one-piece molded polypropylene handle has a long shaft insert for greater strength. The STM II blade material is light, strong, resilient and treated with an ultraviolet inhibitor for long life. An aluminum insert extends the full length of the blade for additional reinforcement. The blade locks securely into the shaft with a sturdy push-button mechanism and can be removed quickly for transport, storage, or replacement.

We also have 9' and 10' yellow Carlisle shafts in a take-down version that is especially convenient for fly-in trips or whenever space is limited. The two-piece shaft locks together with a push-button and accepts any Carlisle removable blade.

All oar lengths up to and including 10' can be shipped UPS; 11' oars must be shipped motor freight collect. We stock yellow shafts in all lengths; yellow, blue, and red shafts are available in the 8', 9' and 10' lengths. All 6 1/2" and 8" blade models are available in yellow, blue, or black. The 5 1/2" blade is offered in yellow only.

### Carlisle Blades

Available in six models: Original (5 1/2" wide), Standard (6 1/2" wide), Magnum (8" wide), and Outfitter (5 1/2", 6 1/2" or 8" wide). Outfitter blades have a thicker aluminum insert and are 60% stronger than the Original, Standard and Magnum blades. The Original and Standard blades are good for use with open oarlocks. The Magnum blade gives extra power to each oar stroke, especially when used with pins and clips. With Magnum blades, you can switch to an oar length one foot shorter without sacrificing power or maneuverability. The thicker aluminum insert in the Outfitter blade adds 6 oz of weight, but is preferred by rafters rowing big boats with heavy loads.

All Carlisle rafting oar shafts and blades are sold separately. To order a complete oar, please list the catalog number for both the shaft length (and color) and the blade model (and color) desired.

**Please Note:** Shaft length as listed indicates the length of the oar with a blade in place, not the actual length of the shaft.

### 5 1/2" Blades

<b>1340</b>	Yellow Original	<b>\$27.50</b>
<b>1355</b>	Yellow Outfitter	<b>\$32.50</b>

### A 6 1/2" Blades

<b>1345</b>	Yellow Standard	<b>\$27.50</b>
<b>1346</b>	Blue Standard	<b>\$27.50</b>
<b>1347</b>	Black Standard	<b>\$27.50</b>
<b>1360</b>	Yellow Outfitter	<b>\$32.50</b>
<b>1361</b>	Blue Outfitter	<b>\$32.50</b>
<b>1362</b>	Black Outfitter	<b>\$32.50</b>

### B 8" Blades

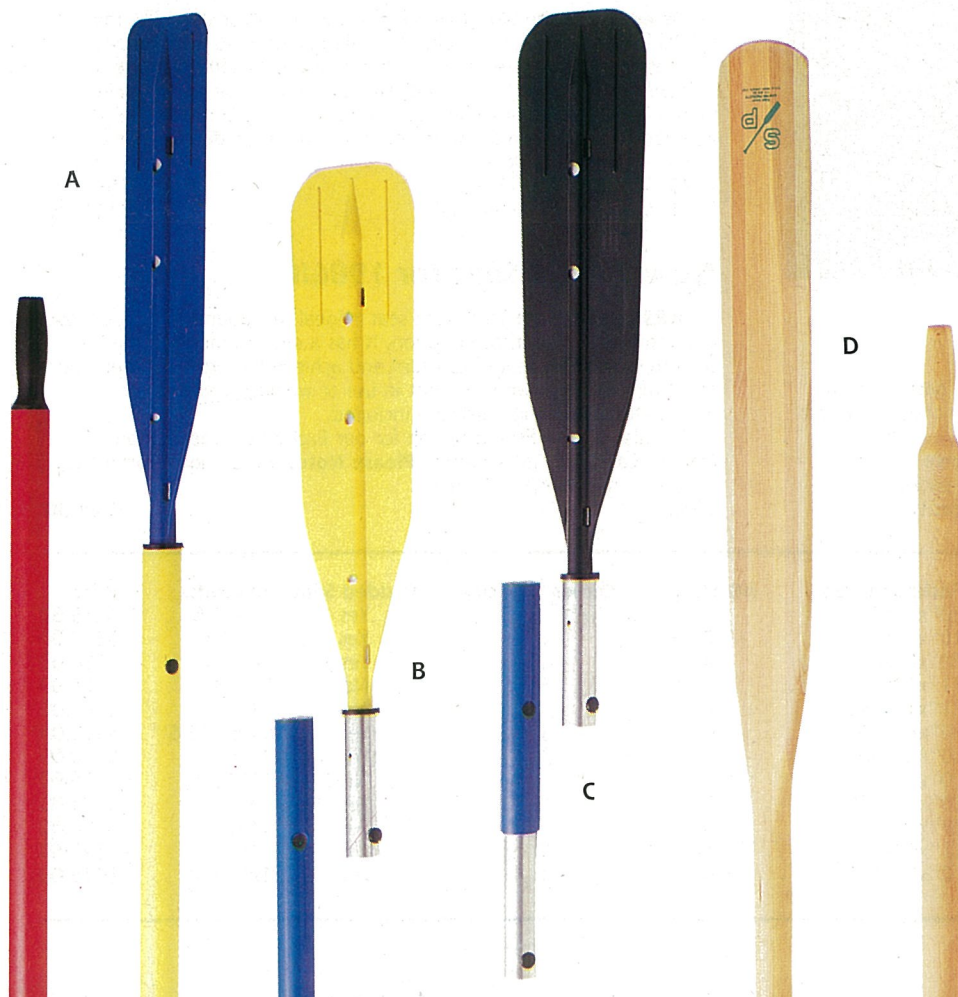
<b>1350</b>	Yellow Magnum	<b>\$27.50</b>
<b>1351</b>	Blue Magnum	<b>\$27.50</b>
<b>1352</b>	Black Magnum	<b>\$27.50</b>
<b>1365</b>	Yellow Outfitter	<b>\$32.50</b>
<b>1366</b>	Blue Outfitter	<b>\$32.50</b>
<b>1367</b>	Black Outfitter	<b>\$32.50</b>

### Shafts (please see last paragraph above)

<b>1300</b>	7' Yellow	<b>\$24.00</b>
<b>1301</b>	7 1/2' Yellow	<b>\$25.00</b>
<b>1305</b>	8' Yellow	<b>\$33.50</b>
<b>1306</b>	8' Blue	<b>\$33.50</b>
<b>1307</b>	8' Red	<b>\$33.50</b>
<b>1308</b>	8 1/2' Yellow	<b>\$36.00</b>
<b>1310</b>	9' Yellow	<b>\$38.00</b>
<b>1311</b>	9' Blue	<b>\$38.00</b>
<b>1312</b>	9' Red	<b>\$38.00</b>
<b>1313</b>	9' 2-Piece Yellow	<b>\$42.50</b>
<b>1314</b>	9 1/2' Yellow	<b>\$41.50</b>
<b>1315</b>	10' Yellow	<b>\$44.00</b>
<b>1316</b>	10' Blue	<b>\$44.00</b>
<b>1317</b>	10' Red	<b>\$44.00</b>
<b>1318</b>	10' 2-Piece Yellow	<b>\$48.50</b>
<b>1320</b>	11' Yellow (MF Collect)	<b>\$50.00</b>

**C Carlisle Oar Extenders** Snap onto the end of a Carlisle oar shaft to lengthen them a foot. Very convenient—especially if you want to move up a boat size without buying new oars.

<b>1370</b>	Yellow	<b>\$11.00</b>
<b>1371</b>	Blue	<b>\$11.00</b>
<b>1372</b>	Red	<b>\$11.00</b>





## Paddle Rafting Catches On

We've found both the Mohawk and Carlisle paddles to be excellent for rafting. They are also very satisfactory canoe paddles. Rafters usually want longer paddles (56" to 63") in order to reach over the large buoyancy tubes of big rafts, while canoeists prefer shorter lengths. **Special:** Buy any three (or more) paddles and save \$1.00 off the price of each paddle!

### Our Most Popular Paddle

**E Carlisle Economy Paddle** The Carlisle Economy Paddle is an excellent buy if you're looking for an inexpensive, lightweight, sturdy paddle. It features an 8" x 20" polypropylene blade that is fully reinforced by the 1" diameter aluminum shaft, a comfortable T-grip handle and plastic sheath grip. A very light paddle at 1 lb 13 oz (54"), as light as some wooden paddles but at half their price. 54" or 60" lengths.

**1500** 54" or 60" **\$10.95**

**F Carlisle Standard Paddle** Carlisle uses a high quality polypropylene material in the 8" x 20" blade of this paddle to cut down the weight and still retain strength. The aluminum shaft extends to the end of the blade and is completely sheathed with polyethylene. These features, and its economical price, make this Carlisle's most popular paddle for both rafting and canoeing. Blue shaft with yellow blade or red shaft with white blade, T-grip handle; 56" and 60" lengths.

**1505** 56" or 60" Blue & Yellow **\$14.95**  
**1510** 56" or 60" Red & White **\$14.95**

**G Carlisle STM Paddle** Favored by most outfitters because of its exceptional durability, 8" x 20" blades are made of a plastic which is resistant to UV (ultraviolet) degradation. 1 1/8" diameter aluminum shaft is fully coated with high density polyethylene to provide a warmer grip, and protect the shaft from nicks, dents and oxidation. T-grip handle; weighs 2 lb 6 oz (60"). 56", 60", 66" lengths.

**1515** 56" or 60" **\$21.00**  
**1517** 66" **\$22.00**

### Longest Blade

**H Carlisle Guide Paddle** This paddle's strength and extra-large blade are friends to rely on in demanding whitewater. 60" or 66" length, T-grip handle, polyethylene clad 1 1/4" shaft with 8" x 26" reinforced STM polyethylene blade. Provides comfortable handling and enables you to reach the water from the elevated stern of a raft. This is the strongest rafting paddle we carry. New 60" length for 1986.

**1520** 60" **\$32.25**  
**1521** 66" **\$33.25**

### Canoe Magazine Says "Real Bargain"

**I Standard Mohawk Paddle** And we agree! Standard Mohawk paddle has a rugged 8" x 20" plastic blade with just enough flex. A stiff metal blade insert is crimped onto the shaft to eliminate slippage. 1 1/8" diameter anodized shaft has a heat-shrink vinyl grip and T-grip handle. Weighs 2 lb (60"). 54", 57", 60", and 63" lengths. Magnum version has a 9" wide blade for more power per stroke.

**1545** Standard-54", 57", 60", 63" **\$15.95**  
**1550** Magnum-54", 57", 60", 63" **\$19.95**



**J Carlisle Golden-Lite Paddle** New from Carlisle for 1986, this paddle is a real attention getter. Attractive gold anodized shaft is non-oxidizing, so will not discolor your boat or hands. Features plastic sheath grip on the shaft and a naturally colored 8" x 20" polypropylene blade. T-grip handle.

**1512** 56" or 60" **\$14.95**

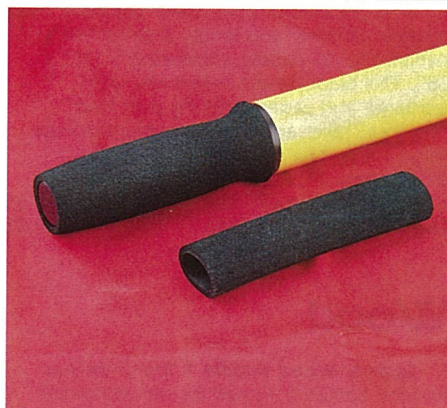
## More Oars

**NRS Fiberglass Oar Shaft** Durable and lightweight, our new fiberglass oar shaft has the flex of a wood oar without the maintenance problems. This shaft is designed to accept any of Carlisle's removable blades, so that you can have the choice of three different blade sizes. (Blades sold separately, see above). 9' length with blade in position. (Yellow).

**1330** 9' Fiberglass Shaft **\$65.00**

**Carlisle Lifeguard Oars** A high quality, light-duty oar for people who do not need the tremendous strength of Carlisle rafting oars. Widely accepted by professional lifeguards for off-shore use, they are a good choice for small boats on the slower rivers. Maintenance free with a polyethylene-clad 1 5/8" diameter aluminum shaft. Wynn clamping oarlocks fit perfectly on these oars. 26" x 6 1/2" STM blade is included, and installs easily with a roll pin to create a strong, one piece oar.

**1380** 7' Yellow w/Black Blade **\$41.00**  
**1381** 8' Yellow w/Black Blade **\$46.00**



**Foam Oar Grips** If you have ever ridden a bicycle with padded handlebars, you know what a difference the foam grips make. We now offer the same comfort and increased grip for rowers. These NEO/EPDM grips greatly reduce fatigue and help if you are prone to hand blisters. Each grip is sold with a package of Lube 'n Glue for easy installation. Fits Carlisle and most other oar handles.

**1403** Foam grip **\$2.50 ea**

**6' Economy Oar** Carlisle Economy oars feature a specially formulated black plastic blade and handle designed for durability, light weight, and economy. The non-removable blade is 5 1/2" wide and the unsheathed, 1 3/8" shaft is built of rigid, thick-wall tempered aluminum. These oars will do a fine job propelling your Otter, yachting dinghy, or other small boat around the lake or down a river.

**1375** **\$15.75 ea**

**D Sawyer Wood Oars** Ralph Sawyer, well-known Oregon paddle craftsman, is now manufacturing high quality, laminated Douglas Fir rafting oars. Ralph builds them strong and lightweight (25% lighter than ash oars) and his lamination technique guarantees straight oars every time. Sawyer Oars have excellent flex and resiliency and come to you already varnished. Prices are per each oar. 8' and longer must be shipped motor freight collect.

**1385** 7' **\$33.00**  
**1386** 7 1/2' **\$38.00**  
**1387** 8' (MF Collect) **\$56.00**  
**1388** 9' (MF Collect) **\$64.00**  
**1389** 10' (MF Collect) **\$79.00**



# Canoe & Kayak Paddles

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## Schlegel Paddles—Hot From Europe

**A Schlegel Paddles** These high-tech kayak paddles feature fiberglass-foam sandwich blades with durable inlaid aluminum edges and ovaled aluminum shafts with heat shrink grips. Synthetic blades feel and handle like fine wood paddles. Super Slalom has a smooth, waterface dihedral blade for snapping off a quick roll. 200 cm, 204 cm and 208 cm lengths.

**1595 Schlegel 200, 204, 208cm \$97.50**

**B Iliad Paddle** Proven quality and durability over many years of rough whitewater action. Aircraft aluminum shaft is ovaled and coated with non-slip vinyl for a sure grip. Pressure-molded, chip-resistant fiberglass blades measure 8 1/2" x 22". For an expedition quality spare paddle use the Iliad Flat Blade Take-Apart that features a watertight joint held in place by a recessed Allen screw (wrench included). Iliad Flat is not a take-apart paddle. 82", 84", and 86" lengths.

**1585 Take-Apart 82", 84", 86" \$105.00**  
**1580 Iliad Flat 82", 84", 86" \$95.00**



**TOLL FREE ORDER LINE**  
**800-635-5202**



**Call Customer Service**  
**208-882-2383**

## High Tech Performance

**C Harmony Paddle** The Harmony is a strong, lightweight kayak paddle. Curved spoon blade (8" x 18") is great for precise maneuvering, and is constructed of epoxy-impregnated fiberglass cloth with internally laminated aluminum tip for greater durability. Ovaled shaft helps orient your hands; slight shaft flex absorbs paddling shock. The Take-Apart features a locking push-button center joint that lets you set the paddle for left or right hand control. 200 cm, 204 cm, 208 cm and 212 cm lengths. Average weight 2 lb 12 oz.

New in 1986, Harmony offers a dihedral shaped blade for ease of handling and smooth paddling.

**1560 Take-Apart-200, 204, 208, 212 \$115.00**  
**1565 Standard-200, 204, 208, 212 \$107.50**  
**1570 Dihedral-200, 204, 208, 212 \$107.50**

## Rugged and Economical

**D Carlisle Take-Apart Paddles** Carlisle Take-Apart Paddles feature 1 1/8" diameter polypropylene-covered aluminum shafts that are comfortable for all-day use. 8" x 20" aluminum reinforced blades are durable; push-button joint locks the paddle together securely, and opens easily for transport. Convert the 7' breakdown into two 60" paddles with the long adapter handles. Short adapters convert the 8' into two 60" paddles or the 9' into two 66". (9' breakdown is excellent for solo canoeing).

**1525 7' Carlisle \$29.95**  
**1526 8' Carlisle \$29.95**  
**1527 9' Carlisle \$29.95**  
**1530 Short Adapters \$9.95**  
**1531 Long Adapters \$9.95**

**Carlisle Sea Kayak Paddle** Just the ticket for long stretches of open water paddling. The blade is narrower and longer than Carlisle's standard kayak paddle, measuring 5 1/2" x 26". This blade design means less wind resistance and easier paddling over long distances. Takes apart for convenient storage. Beige blade, blue shaft; 8' or 9' lengths. Weighs only 3 lb 12 oz in the 8' length.

**1535 8' Sea Kayak Paddle \$29.95**  
**1536 9' Sea Kayak Paddle \$29.95**

## Wood

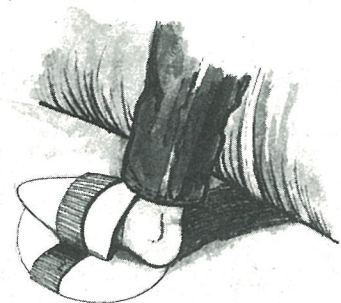
**E Sawyer Wood Paddle** A top-of-the-line wooden paddle designed for the whitewater open canoeist or C-1 paddler. This quality wood paddle can mean the difference between fun and drudgery when you're canoeing all day long. Sawyer paddles feature quality workmanship and materials, including fiberglass-covered blades, hardwood tips, comfortable uni-grip handles, and oval laminated shafts. The 12-piece laminated blade measures 8 1/2" x 22", 1/4" thick, and has a special fiberglass tip for extra protection. 54" or 60".

**1590 54" or 60" \$39.00**

## Be Safe and Secure

**NRS FootHold** Serious paddlers can now brace with confidence and safety with the NRS FootHold. Made from tough, raft floor material reinforced with 1 3/4" webbing for strength, FootHold's conical construction eliminates entrapment danger. Glue the FootHold to your raft floor for stability in the most demanding whitewater. Home-built rowing frame missing a foot brace? Try the NRS FootHold instead.

**1810 FootHold \$11.75**  
**Two or More FootHolds \$11.00 ea**

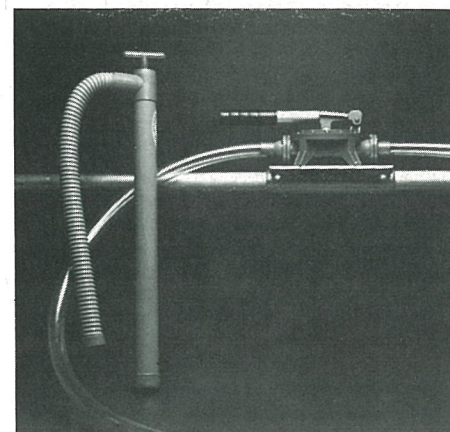


## Bailing Was Never Easier

**Thirsty-Mate Bilge Pump** will not corrode or mar your boat. The Thirsty Mate is self-priming, easy to clean, and pumps 10 gal/min. 24" long, 1 3/4" diameter with a 24" hose.  
**1835 \$15.95**

**The Guzzler** The "Guzzler" Mountable Bilge Pump is designed to mount on your raft frame for quick one handed use. Injection molded DuPont Delrin, anodized aluminum handle and reinforced valves. Pumps up to 15 gallons per minute with a 1 1/2" ID hose.

**1836 Guzzler \$41.50**  
**1837 1 1/2" Vinyl Hose \$2.10/ft**





## Don't Take a Chance

**NRS Rescue Rope** Every raft, kayak and canoe on the river should be equipped with a rescue rope. The NRS Rescue Rope comes in a bright yellow nylon bag complete with a thick ethafoam block for flotation and 65 feet of floating 3/8" Proline rope. Quick emergency access through a drawstring closure with a spring toggle. The 1" webbing loop has a slide fastener and quick release buckle so that it can be secured to a D-ring or frame for instant use when needed. Instructions included.

**1825** \$24.50

**Bowline Bag** A sturdy 8" x 12" nylon bag to store the bowline on your raft. Features a drawstring closure and nylon mesh bottom. Attach to your raft's D-ring for quick access. Mini-Carabiner included.

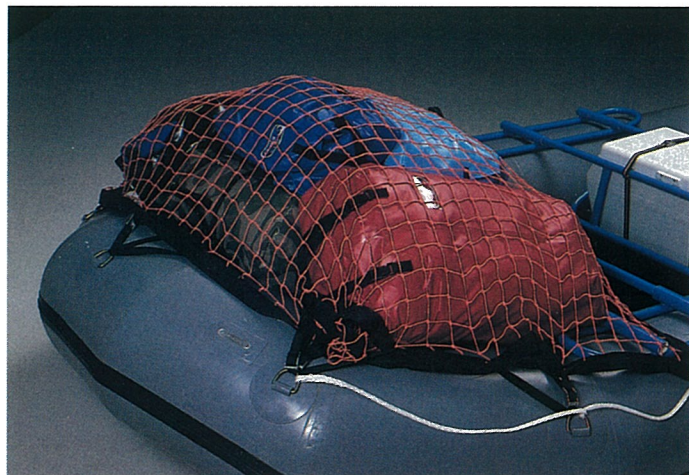
**1820** \$12.50

**Bowline Bag Set** Comes complete with Bowline Bag, Mini Carabiner, and your choice of 50', 75', or 100' of 3/8" Proline rope. A must-have accessory on your next rafting trip.

**1821** Bowline Bag Set-50' \$22.50

**1822** Bowline Bag Set-75' \$26.75

**1823** Bowline Bag Set-100' \$30.75



**Flip Line** Guides using Flip Lines can self-right an upset raft in as little as 30 seconds. 14' of 3/8" Proline rope is stored in a pack cloth bag with drawstring closure to allow emergency access. Attaches to raft D-ring.

**1815** \$18.50 pr

**Rescue Bag** Wildwater Designs manufactures this bag to meet the requirements of many professional organizations. 70' of tangleproof 3/8" polypropylene line in a high visibility yellow nylon bag. Two-year guarantee against defects in materials and workmanship. Quick-reference instructions are printed on the bag.

**1826** \$29.50

**3/8" & 1/2" Proline Rope** Solid braid multifilament polypropylene cord stays round and works well as a bowline or for lacing down your equipment. Won't stretch or shrink. Resistant to rot, abrasion, mildew, petroleum products and most chemicals. Floats on water. This polypropylene rope is the preferred one for rescue lines.

**1832** 3/8" Proline \$2.25/ft

**1833** 1/2" Proline \$4.00/ft

**1/2" and 3/8" Poly Rope** "...a spare coil 200 feet in length should always be on hand."—Bill McGinnis, *Whitewater Rafting*. Buoyant, eight-strand, diamond braid poly rope for all-around use. Recommended working load for 3/8" is 250 lb while 1/2" is 450 lbs. Available in a money-saving 100' shank or 200' shank.

**1830** 3/8" \$1.14/ft

100' shank \$12.00

200' shank \$23.00

**1831** 1/2" \$1.16/ft

100' shank \$14.00

200' shank \$27.00



Left: NRS Rescue Rope; right: Bowline Bag Set

## Retire That Tangle of Ropes

**Cargo Net** The fastest and easiest way to get going in the morning. Toss it over the gear, cinch down the HD straps, and you are on the way. One of our most popular items. Try it with the Cargo Platform for a total cargo system. 2 1/2" polypropylene mesh bordered with durable 2" poly web. Measures 60" x 80" with nine 4' HD Straps with cam-action buckles for fastening to the D-rings of your raft. (That's almost \$25.00 worth of HD Straps). The Super Cargo Net (70" x 90"), is designed for boats 16' or longer.

New this year, we offer the Cargo Net in both sizes without HD straps. Just weave a rope through the D-rings and net for a quick simple way of securing your gear.

**1800** Cargo Net w/o HD Straps \$26.50

**1801** Super Cargo Net w/o HD Straps \$29.00

**1802** Cargo Net \$41.50

**1803** Super Cargo Net \$43.50

## It's a Better Idea

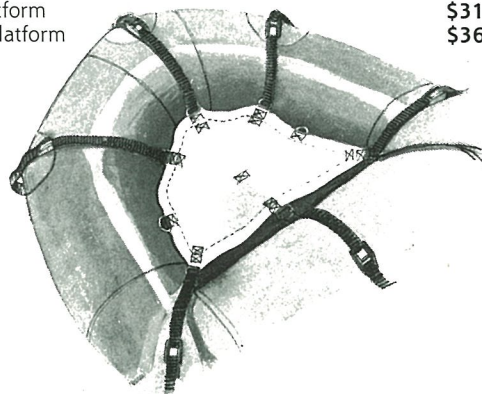
**Cargo Platform** Our Cargo Platform is made of a mesh material so water will not collect on the platform and your gear won't sit in a puddle. (The same material as used on commercial trampolines). Six adjustable heavy duty webbing straps beneath the platform make it strong enough to support large loads. You can raise or lower the platform to meet your needs with the six 6' straps that are included to attach the cargo platform to the raft. Four sizes available: Small fits boats up to 11'6"; Medium from 11'6" to 13'6"; Large from 13'6" to 15'6"; X-Large from 15'6" to 18'. When not in use, the platform folds into a compact bundle.

**1805** Small Platform \$25.75

**1806** Medium Platform \$28.50

**1807** Large Platform \$31.50

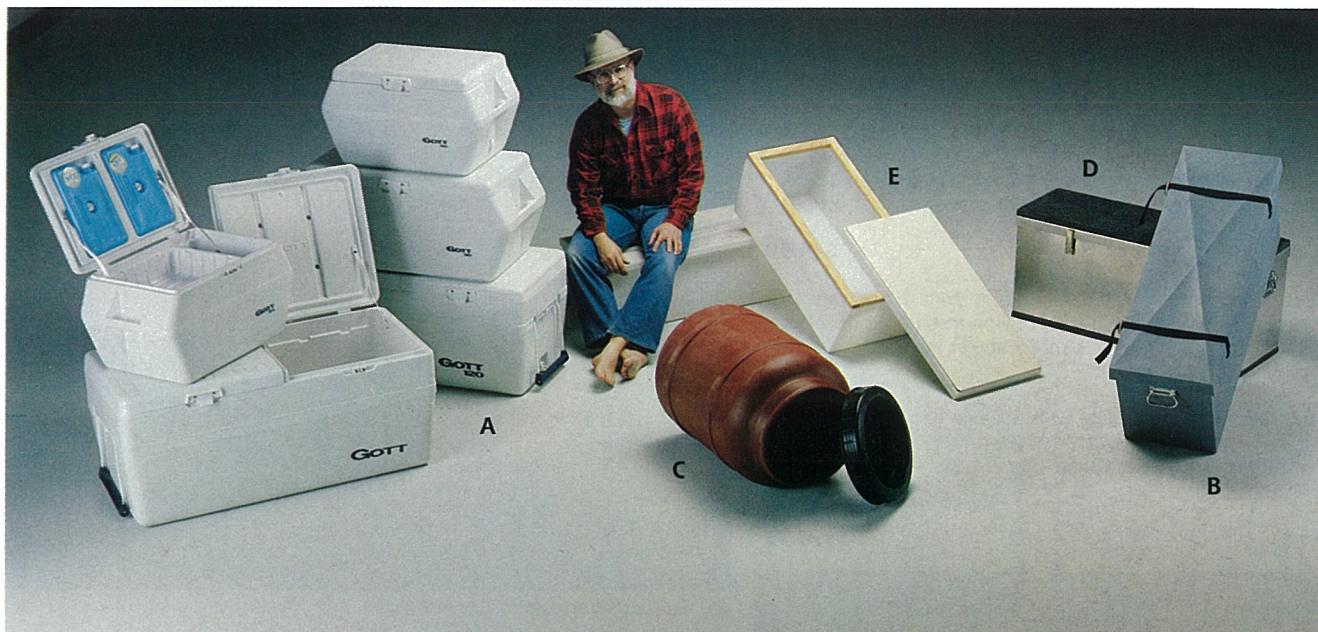
**1808** X-Large Platform \$36.50





# Coolers/Dryboxes

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## Cold Storage Since 1916

**A Gott Coolers** Born out of necessity in the parched Oklahoma oilfields, Gott today offers a line of portable coolers unsurpassed in the world. Henry P. Gott would be proud. We carry four of Gott's most popular Marine Chests; excellent coolers for river camping and general use. Gott Coolers carry a three-year normal-usage guarantee covering defects in material and workmanship.

50-Qt Gott has two refreeze bottles in the hinged lid, integrally molded Quikgrip handles, removable storage bin, Snaploc latch, drain plug, and outside dimensions of 25 1/2"L x 15 3/4"W x 15"H. Fits nicely in the stern compartment of the NRS Otter Raft.

80-Qt Gott has the same features as the 50-Qt, with three refreeze bottles, two removable storage bins, and dimensions of 34 1/2"L x 16 1/2"W x 15 1/2"H.

For large groups, we offer the 120-Qt Cooler. Features extra-thick insulation, cushioned rope carry handles, drain plug and removable storage bin. Unique two-part lid allows access with minimum loss of cold air. Measures 38 1/2"L x 18 1/2"W x 17 3/4"H. Shipped motor freight collect.

Spacious 172-Qt is the choice for extended trips with large groups of people. Same features as the 120-Qt, with dimensions of 42 1/2"L x 21 1/2"W x 19 3/4"H. Fits in our Super or Bighorn rowing frames. Motor freight collect.

1250	50-Qt	\$53.25
1251	80-Qt	\$95.00
1252	120-Qt (MF Collect)	\$165.00
1253	172-Qt (MF Collect)	\$255.00

**Ammo Cans** New, heavy gauge steel and coated with a corrosion resistant paint. 3 sizes: Small (3 1/4" x 7 1/4" x 11"), Medium (6 1/8" x 7 1/2" x 12"), Large (6 1/8" x 10 1/4" x 12").

1845	Small Ammo Can	\$9.25
1846	Medium Ammo Can	\$12.50
1847	Large Ammo Can	\$14.50

## Plastic Boxes and Barrels

Plastic boxes offer an economical, maintenance-free alternative to aluminum and wooden dry boxes. For 1986, we have come up with a selection of these boxes and barrels to provide the river and wilderness traveler with protected gear storage.

**B Plastic Dry Box** Constructed of roto-molded polyethylene, with a tensile strength of 1200-3500 psi, this box is so sturdy you could almost drive a car over it. Polyethylene material is very tolerant to extreme temperatures, and is ultraviolet stabilized for a long life in the sun. Equipped with heavy-duty handles, integral nylon straps and buckles for securing the removable lid. Measures 40"L x 14"W x 17 1/2"H with 4.8 cu ft of storage. 1/2" overhang on the lid. (Gray).

1263 \$179.95

**C Plastic 100-Liter Barrel** The economical answer for keeping your dry goods safe from the elements while running the wild water. These plastic barrels have two-piece lids just like a Mason jar. The two-piece lid incorporates a rubber gasket to give you a watertight seal. Barrel measures 28" high and has a diameter of 19.5". The diameter of the opening is 13.5" and the volume of the barrel is over 4.5 cubic feet (approximately 105 quarts). (Originally used to import food products).

1265 \$29.95

**D Waterproof Aluminum Dry Box** 4.8 cu ft of rugged waterproof storage space in this high-tech aluminum dry box. Excellent cargo box for our Bighorn II rowing frame. Constructed of lightweight, maintenance-free .080, 5052 marine aluminum, the Dry Box weighs only 29 lbs. Smooth, heli-arc welds with a 24" piano hinge for the lid, folding carry handles and two special tension-adjustable latches. Waterproof foam seal inside the lid. Optional 1" ethafoam for the top and bottom of the box. 40" L x 13" W x 16" H.

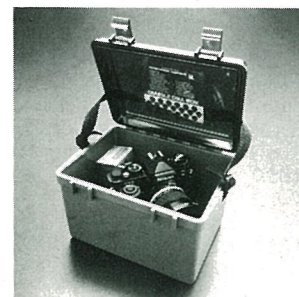
1260	Dry Box	\$216.00
1259	Ethafoam (2 pieces)	\$25.00

**E NRS Plastic Storage Boxes** Oak and plastic combine to make a great looking practical box for many purposes. Need a replacement for that plywood box that disintegrated a couple years ago? These roto-molded cross-linked polyethylene boxes have solid oak reinforcements and skidguard tops so they make great seats for the camp kitchen as well as dry storage for your gear. These boxes fit very neatly into many raft frames and can even double as raft seats. Closed cell foam under the lid provides a watertight seal under all but extreme conditions. The lid is held securely down with two HD straps. #1261 measures 34"L x 12"W x 12"H with 2.8 cu ft of storage and has a 1 1/2" lid overhang so it can be suspended in a rowing frame. #1262 measures 33"L x 16 1/2"W x 13"H with 4 cu ft of storage space. (White).

1261	\$97.50
1262	\$87.50

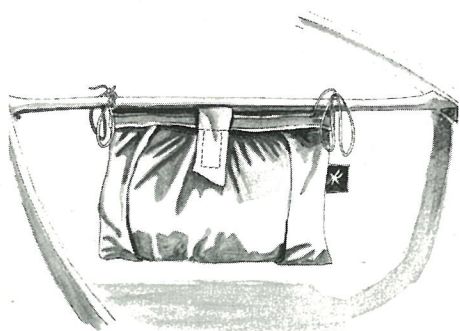
**Diver's Dry Box** The neoprene O-Ring seal in this box keeps your valuables dry and safe from spray and accidental dunkings. The see-through lid allows you to see what's inside. Constructed of break resistant Lexan, high impact ABS plastic and corrosion-resistant stainless steel. The large size has interior dimensions of 8 1/4"L x 6"W x 5 1/2"D. Small measures 8 1/4"L x 6"W x 3 1/2"D. Carry strap included.

2990	Large	\$15.95
2991	Small	\$14.00



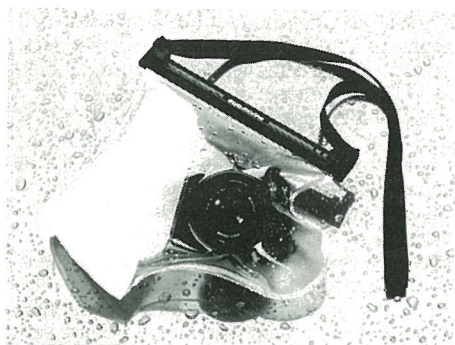


# Cases/Bags



**Otter Pocket** Nifty bag that ties onto a canoe thwart or raft frame, the Otter Pocket serves as a catch-all for the clutter in your boat. An elastic and Velcro closure keeps contents collected and safe. Made by Dragonfly Designs in a tough 1.9 oz rip-stop K-Kote nylon, the Otter Pocket measures 10 1/2" x 15". Not intended to be waterproof.

**1860** \$12.50



**EWA-Marine Camera Bags** The EWA-Marine Master Series waterproof camera housing is just the ticket for keeping your SLR camera safe from moisture and sand. The camera never leaves the bag, so is always ready to capture that great shot. Lens mounts tightly against the interior surface of the bag and the shutter and lens are operated with an integral waterproof glove.

We are offering three models that will fit most 35mm SLR cameras. The U-F holds camera and winder. The U-FXP holds a strobe in addition to the camera and winder. The U-FZ handles the camera, winder and zoom to 105mm. German craftsmanship at its best.

**2980** U-F \$85.00  
**2981** U-FXP \$97.00  
**2982** U-FZ \$108.00



**A Put Out Bag** Heavy-duty nylon mesh with a full length zipper, the Put Out Bag by Perception allows air flow around your bulky, wet gear at trip's end. Sturdy construction with a 2" web wrap-around handle. Handy zippered pocket for smaller items. A practical bag for any river trip or outing. 24"L x 18"D.

**1862** \$22.50

**B Drawstring Mesh Bags** Mesh bags are great for keeping your favorite beverage cans cool in the river. Perfect for organizing your gear for easy access. Two sizes: Small (16" x 26") and Large (22" x 34").

**1855** Small Mesh Bag \$6.95  
**1856** Large Mesh Bag \$8.95

**Mesh Boat Bags** The Mesh Boat Bags Poly-Pro fabric is a coated polyester that's tough, tear-proof, and resistant to stretch, shrinkage, and ultraviolet degradation. To carry or store your raft, roll or fold it up, stand it on end, pull the bag over the raft and draw the rope closure tight. Small bag measures 44" x 60", with a 2" web carry handle. Large measures 54" x 72"; web carry handle extends completely around bag. Also handy for storing life jackets, wetsuits, and other gear.

**1840** Small Boat Bag \$27.85  
**1841** Large Boat Bag \$32.75



**Perception Drytek** The Drytek is a larger version of the popular Perception Pouch (11" x 15"). Features Fastex hardware, a shoulder carrying strap, and a heavy vinyl roll-down liner.

**2971** \$24.95

**D Perception Pouch** Cleverly designed with a double-thick vinyl lining for good watertight protection, the Perception Pouch opens to an 8 1/2" x 5 1/2" x 1 1/2" waterproof interior and seals with a fold-down velcro tab closure. Perfect for small personal items like wallets, watches, or Instamatic-sized cameras. Has loops for attaching lifejacket straps or belt.

**2970** \$15.95

**E Ultralight Shut-Her-Dry** Voyageur's has combined 210 denier urethane-coated nylon with their quick open-and-shut slide closure to provide superior protection for expensive cameras. Inflatable double-walls provide flotation, protect the watertight inner chamber, and allow you to use the bag without reinflating it. The 12" x 12" x 3" chamber will hold a 35 mm camera and several lenses. The slide closure works quickly. Bright yellow for good visibility with four corner grommets for tie-downs. Has Voyageur's lifetime guarantee against defects in workmanship and materials.

**2975** \$39.95



**C Handy Catch-All Mesh Duffel** Great for organizing your personal gear. Sturdy mesh fabric with zipper opening for easy access. Permits plenty of air circulation for quick drying. Two sizes; Small (12" x 27") and Large (16" x 32"). One is right for you!

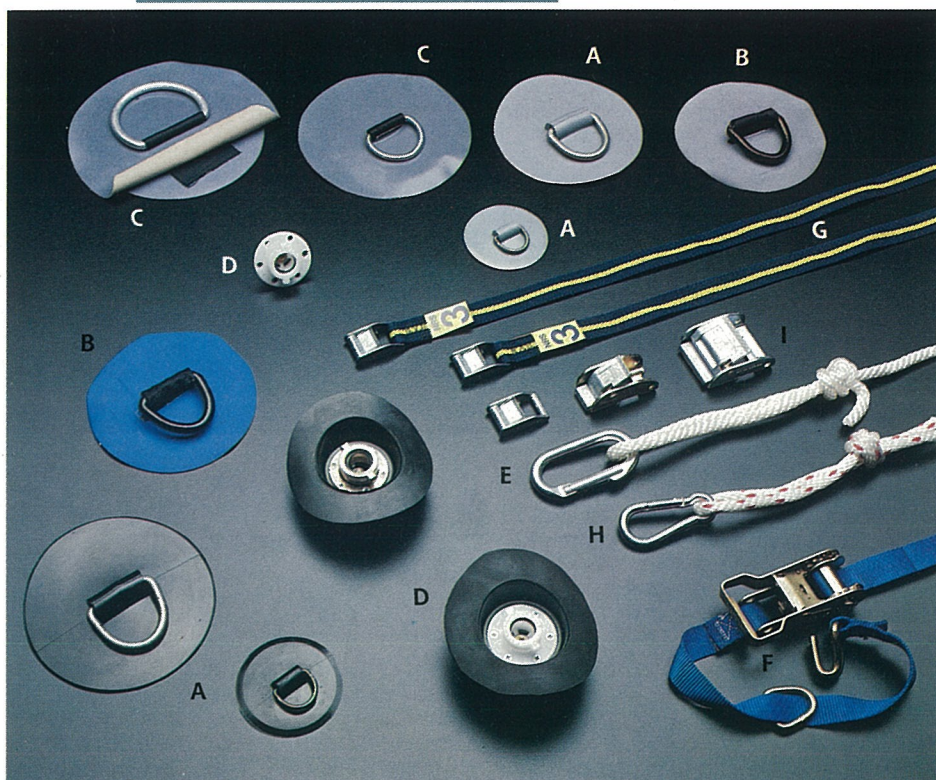
**1850** Small Mesh Duffel \$16.75  
**1851** Large Mesh Duffel \$19.75



**Pelican Case** The Pelican Case is easily the best waterproof, dustproof, and airtight case on the market today to protect your valuable camera gear, instruments and expensive equipment. Pluck-n-Fit foam allows you to custom fit the interior of the case to your needs and cushion your equipment from rough use. Each case is made of ABS Structural Resin that is unconditionally guaranteed for life. It can be carried either by its built in handle or optional 2" webbing adjustable shoulder strap. The small size has interior dimensions of 12 1/4"L x 9 1/4"W x 5 1/2"D; Regular: 17 7/8"L x 11 3/4"W x 6 1/2"D; Large: 22"L x 17"W x 8"D.

**2985** Small \$52.50  
**2986** Regular \$89.95  
**2987** Large \$135.00  
**2988** Shoulder Strap \$7.95





**A D-Ring Patch** Achilles developed these one-piece, web-reinforced, Hypalon D-ring patches. The 9 1/2" Hypalon patch secures a 3" stainless steel D-ring, the 6 1/2" patch has a 2" D-ring, and the 3 1/2" patch a 1" D-ring. (2" and 1" patches available in gray or black.) Two-year guarantee. Supplies are limited.

1455 1" Black	\$6.00
1456 1" Gray	\$6.00
1457 2" Black	\$15.00
1458 2" Gray	\$15.00
1459 3" Gray	\$16.50

**B Otter/Sprite D-Ring Patch** 6" diameter D-ring patch made of EPDM-type material with a sewn-on 1 3/4" plastic-coated steel D. Ready to glue onto your boat.

1465 Blue	\$5.00
1466 Gray	\$5.00

**C Unglued D-Ring Patch** 1 3/4" steel D-ring is secured by nylon webbing sewn to a 6" patch of Hypalon raft material, with a 7 1/2" patch of Hypalon material over the top. Just glue the top patch to the bottom patch and it's ready to glue to your raft. We have a larger version of the Unglued D-ring Patch featuring a 3" steel D-ring sewn to a 7 1/2" patch with a 9" patch of Hypalon material over the top.

1467 6" Patch	\$5.50
1468 9" Patch	\$9.00

**D Nylon Valves** Standard size replacement military valves with the six-hole mounting pattern fit almost any raft with military style valves. Available with or without boot.

1480 Nylon Valve	\$5.00
1481 Nylon Valve with Boot	\$8.00

**E Carabiner** Developed originally for climbing, these carabiners make excellent boating accessories. Use them to clip a gear bag to a line or D-ring so it's secure yet accessible. They are made of rust proof aluminum and stainless steel, with a spring-loaded gate that accepts rope sizes up to 5/8".

1430	\$4.20
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**F Mini-Ratchet** The Mini-Ratchet assures a secure tie-down for large loads. Commercial outfitters use them to secure fully inflated rafts being hauled to and from the river. The Mini-Ratchet has a 20' long 1" wide HD strap (rated at a 2500 lb load capacity) and a ratchet-tightener with patented safety lock that prevents release under shock or vibration.

1436	\$18.75
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**Mini-Lash** 15' long ratchet-tightened cargo tie-down rated at a 2,000 lb load capacity, the Mini-Lash is great for securing your rowboat to a trailer or holding down car-top loads. Features a built-in ratchet safety lock.

1435	\$8.75
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## Hundreds of Uses

**G Heavy Duty Straps** Our Heavy Duty Straps have been used for so many varied applications that we have lost count. This year we have added a tab that shows the length. These straps have a thumb release, spring-loaded 1" cam action buckle that holds the web very securely at the desired tension. Though these buckles are **not** designed for climbing applications, the buckle is made for us in West Germany by one of the world's leading manufacturers of high strength equipment for parachutists, mountain climbers and others who need the very finest equipment. Last year a number of companies started selling HD buckles. While some are good quality, others have not held up. Rest assured that our buckles are the very finest on the market today.

The cast zinc rustproof buckles have a load capacity in excess of 500 lb. The limiting factor on most straps is the tendency of the webbing to slip past the teeth on the buckle. You will notice that all our straps use the special weave blue and yellow polypropylene that provides the best grip surface for the cast "teeth" in the thumb release buckle. It resists weathering, abrasion, and stretching and has a tensile strength of 750 lbs. While these straps are more expensive than others, they are worth it for the added safety and strength.

Try some of these straps on your next river trip—the two or three foot straps are just right as raft frame tie-downs, and the longer straps do an excellent job of lashing gear to your raft. They also work well for holding down car-top loads. For those who want custom length straps, more intricate cargo systems, or even durable, attractive belts, we offer the Heavy Duty Cam-Action Buckle and 1" Heavy-Duty webbing separately.

1440 2' HD Strap	\$2.35
1441 3' HD Strap	\$2.55
1442 4' HD Strap	\$2.70
1443 6' HD Strap	\$3.10
1444 9' HD Strap	\$3.60
1445 12' HD Strap	\$4.20
1446 15' HD Strap	\$4.80
1447 20' HD Strap	\$5.80
1450 1" HD Webbing	\$.25/ft
1451 HD Buckle	\$1.75

**H Mini-Carabiner** These carabiners are as functional as they are affordable. The perfect boating accessory to attach gear to your raft's D-rings, with a spring-loaded gate that can be used with ropes up to 5/8" wide.

1431	\$2.50
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**I Heavy-Duty Cam Buckles** Cast alloy, rustproof buckles are just what you need to make your own straps or other cargo systems. The spring-loaded, thumb-release buckle with convenient cam action has "teeth" on the cam to securely hold your webbing strap. The 1" and 2" sizes have a respective load capacity of 1800 and 3000 pounds.

1452 1" Cam Buckle	\$3.15
1453 2" Cam Buckle	\$3.65



**TOLL FREE ORDER LINE**  
800-635-5202



# Raft Repair

## Adhesives, Paints and Cleaners

We have found Shore Adhesive and Carboline F-1 Neoprene Adhesive to be good all-purpose, one-part adhesives for use on Hypalon, Neoprene, and other rubber materials. The 3M adhesive has the highest heat tolerance and greatest peel strength of the one-part adhesives. Bostik two-part adhesive is recommended by Avon and is probably the strongest adhesive available.

Painting a raft prolongs material life by providing abrasion resistance and protection from ozone and UV deterioration. The Aluminum Coating is the easiest to use because it is a bit thinner, while the thicker Gray Coating provides a little more abrasion protection. Since neoprene coatings don't bond well to Hypalon, we recommend their use only on rafts manufactured in neoprene or EPDM (like Udiscos or the NRS Otter). Use the GACOflex Hypalon Coating for painting Hypalon rafts (it can also be used on neoprene or EPDM surfaces). We offer it in Sky-Blue, Red-Orange and Gray. Figure on one gallon of coating to cover the tubes of a large raft. Thinner/cleaner, as the name implies, is used to thin the coatings and also to clean the raft before painting or patching. **Caution:** Be sure to allow adequate drying time (up to a week) after painting. (Note: all these items are flammable and can only be shipped surface UPS or motor freight).

### A Carboline Adhesive

1900	3 oz tube	\$3.25
1901	Pint	\$6.50
1902	Quart	\$11.00

### 3M Adhesive

1908	3 oz tube	\$5.50
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### Bostik Two-Part Adhesive

1905	1/4 liter	\$10.00
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### B Shore Adhesive

1906	Pint	\$7.95
1907	Quart	\$13.95

### GACO Aluminum Coating

1930	Quart	\$15.00
1931	Gallon	\$47.50

### GACO Gray Coating

1932	Quart	\$14.50
1933	Gallon	\$47.00

### GACOflex Blue Coating

1934	Quart	\$16.00
1935	Gallon	\$48.00

### GACOflex Reddish Orange

1938	Quart	\$16.50
1939	Gallon	\$49.50

### GACOflex Gray

1936	Quart	\$16.00
1937	Gallon	\$48.00

### Black Lettering Paint

1940	Quart	\$14.50
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**Vynabond** Vinyl adhesive good for repairing waterproof bags or attaching D-rings to Tahitis, ABS canoes, etc. (Flammable; no parcel post or air shipments.)

1915	2 oz Tube	\$2.95
1916	12 oz Can	\$8.00

### C GACO Thinner/Cleaner

1922	Quart	\$9.50
1923	Gallon	\$22.95

**Raft Cleaner** High quality product formulated especially to prepare the surfaces of inflatable boats for repair or painting. It will not work as a paint thinner.

1920	Pint	\$4.50
1921	Quart	\$6.50

**Wear Patch Material** Use this 1-mm thick synthetic rubber for raft frame patches, floor seam protector, and stable seating on slick rafts. Approximately 9" wide and sold by the running foot.

1975		\$1.25/ft
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## Raft Repair

No matter what material or adhesive you use, follow these steps when repairing a raft:

1. Cut a suitably sized patch. (Patch edges should be at least 2" from the hole on all sides).
2. Clean both surfaces with raft cleaner or thinner/cleaner. (Protective silicone coatings such as Armorall can also be removed with sudsy ammonia.) Then roughen the surfaces slightly (both boat and patch) with a rasp or sandpaper.
3. Apply the adhesive on both surfaces and let dry (check instructions on the glue for proper drying time).
4. When the adhesive is dried beyond tackiness, press the glued surfaces together with a roller. The more forceful the contact, the better the bond.
5. If at all possible, allow at least four hours for the patch to cure.

**D Repair Kits** All kits include a 6" piece of material, a roller rasp, an assortment of small patches, patching instructions, and a 3 oz tube of Carboline adhesive, packed in a wide-mouth Nalgene poly bottle. Flammable; surface UPS or motor freight only.

No.	Material	Price
1980	Otter	\$12.00
1981	Sprite/Scout	\$12.50
1982	Sport	\$14.50
1984	Riken	\$14.50
1985	River Rider	\$13.50
1986	Avon	\$15.50

**ALL ADHESIVES, THINNERS AND COATINGS ARE TOXIC AND MUST BE KEPT OUT OF THE REACH OF CHILDREN**

**PVC Cement & Cleaner** This is the glue for PVC rafts such as the Whitewater Manufacturing boats. The Catalyst can be mixed with the PVC Cement (PM107) for high load stress seams. (Flammable; no parcel post or air shipments.)

1910	Cement Pint	\$11.00
1911	Cement Quart	\$18.00
1912	Cleaner Pint	\$4.00
1913	Cleaner Quart	\$6.50
1914	Catalyst 8 oz	\$14.50

**E Sewing Awl** Useful for repairs of all kinds. A pair of needles and 20 yds of thread packed neatly into the wooden handle for easy access and storage.

1992	Awl	\$4.95
1993	Extra Needles	\$2.50 pr
1994	Extra Thread	\$1.25

**F Pro Roller** The large wooden handle of the Pro Roller is more comfortable to grip than the Roller Rasp, especially for those big repair jobs.

1991		\$4.25
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**G Roller Rasp** With this handy repair instrument, you can rasp the material before applying glue, then run the roller over the patched surface to get a good bond.

1990		\$1.95
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**H Raft Material** Prices are per running foot. See the Raft Chart (p 10) and the individual raft descriptions (pp 2-9 for detailed specifications).

No.	Type	Color	Price (Per Ft)
1960	Otter	Gray	\$7.00 ft
1961	Otter Floor	Black	\$8.00 ft
1962	Sprite/Scout	Blue	\$9.00 ft
1963	Sprite/Scout Floor	Black	\$10.00 ft
1964	Sport	Gray	\$12.00 ft
1965	Achilles Floor	Black	\$13.50 ft
1966	CV	Yellow	\$12.00 ft
1967	Achilles	Red	\$12.00 ft
1968	Riken	Gray	\$12.50 ft
1969	Riken Floor	Black	\$13.50 ft
1970	River Rider	Blue	\$9.00 ft
1971	Avon	Gray	\$14.00 ft
1972	WW Mfg.	Lt. Blue	\$12.00 ft



## This is What We Call Recreation



### Family Fun Boat Doubles as Backpacking Raft!

### A Handy Accessory

**The Web** Hand fins give the hot-dog no-paddle kayaker greater power and control for rolls and stunts. Can even be used as emergency paddles on an expedition. The Web is flexible nylon with flow-through lycra net backing and has a Velcro strap closure. Provides 2.6 times the power of your bare hands; great for open-water swimming. (Blue).

2420 S, M, L, XL

\$11.95

**NRS Scamp** The new NRS Scamp is lightweight (less than 7 lb), compact (packs to an 8" x 12" bundle) and can be packed easily into high mountain lakes. Pack a Scamp for your next river trip and let the kids try it out in the slower water (not intended for use in the rapids). Constructed of 210 denier urethane-coated nylon, the Scamp has glued and taped seams for extra durability.

For the serious backpacker, we offer an even lighter version. The Ultralight Scamp is made of 70 denier urethane-coated nylon and weighs less than 3 lb.

Most rafts of this type have only one air chamber, but we have built two chambers into the Scamp for extra safe boating. One-inch, one-way Roberts valves permit speedy inflation and deflation, either by mouth or with a pump. The carry bag included doubles as a pump. Equipped with integral fold-down oarlocks which fit the optional take-apart oars listed below, or other oars 1" or less in diameter. Standard equipment includes: One "air mattress" style removable inflatable seat; carry bag/air pump; inflation hose; integral fold-down oarlocks; D-ring on the bow; repair kit. Measures 6' 3" L x 3' 4" W and has 11" diameter tubes. Bright blue with yellow trim. One year NRS guarantee.

- 1650 Scamp
- 1651 Take-Apart Oars (pair)
- 1652 Extra Seat
- 1660 Ultralight Scamp
- 1661 Ultralight Seat

\$98.50

\$6.50

\$6.50

\$93.50

\$6.50



### Fun in the Sun!

**Buddy Barge** Remember innertubing at your childhood swimming hole? The Buddy Barge is a nostalgic return to those days, fully equipped with the modern comforts. The Buddy Barge uses four large size innertubes (included) held together with a colorful heavy duty nylon cover. Just zip the cover around the tubes, add air, fill the center cooler, put on your lifejacket, and you're ready. Buddy Barge includes a beverage cooler with built-on can holders. The cooler is secured in the center of the four tubes with quick release buckles. A zippered pocket keeps valuables safe and accessible. Buddy Barge weighs 20 lb and packs neatly into the cooler (16" x 16" x 16" package). Buddy Barge is intended for use in calm water only. (Red and White)

1645

\$230.00





Riken Comanche Self Bailer

## New Extra-Strong Inflatable Kayaks

**Sevytex Kaynoe** To build the Sevytex Kaynoe, Sevytor developed new heavy-duty PVC material reinforced by polyester ripstop threads. This grating makes the boat far more durable with superior structural integrity. A couple of years ago boats like this cost over \$450.00. Now, with technological advances and our competitiveness, you can get one for about half the price. 10" bow and stern rise, ribbed inflatable dodgers and a drain plug make for a very dry ride. These are expedition quality and should give years of reliable use.

At 12'6" x 3', the Sevytex 390 "Kaynoe" Canoe can carry two people comfortably, plus enough gear for an outing. It comes equipped with both an inflatable seat for use in whitewater or a wooden seat for quiet water cruising.

New for 1986, Sevytor introduces the **Sevytex 345 Two Person Kayak**. This smaller sister of the 390 has a shorter waterline so that it's more responsive in technical drops. The 11' x 3' 345 allows a solo paddler extra room for storing gear on an extended trip.

The **Sevytex 305** is a whitewater "hot boat" version of their popular Kaynoe with an optional spray cover and spray skirt so you won't have to spend time emptying the boat after every big rapid. Some of you may even be able to roll it! At 10' x 3', the 305 handles like a sports car.

1625	Sevytex 390	\$320.00
1626	Sevytex 390 Package	\$365.00
1620	Sevytex 345	\$295.00
1621	Sevytex 345 Package	\$340.00
1610	Sevytex 305	\$255.00
1611	Sevytex 305 Package	\$300.00
1612	305 Package w/Spray Cover & Skirt	\$385.00
1615	305 Spray Cover	\$85.00
1616	305 Spray Skirt	\$14.95

For extra savings, we offer inflatable packages that include the inflatable of your choice, the 8' Carlisle Breakdown Paddle, an NRS Pump and a repair kit.

## Self-Bailing

**Riken Cherokee and Comanche** In keeping with the trend toward self-bailing boats, both of these Rikens are available with an inflatable self-bailing I-beam floor. A row of reinforced drain holes is located at each end for quick drainage. This keeps the Rikens very maneuverable in long rapids.

Riken Cherokee and Comanche combine the strength of a raft with the maneuverability of a kayak. Both the Cherokee and Comanche are made of 420 denier, 25% hypalon in the tubes and 1200 denier, 25% hypalon in the floor. Probably the toughest inflatables we sell.

The Cherokee is 9'6" x 2'11" and has one thwart for stability. The Comanche is 12'10" x 3'4" and has two thwarts. Both feature a single D-ring on the stern and bow. In the stern compartment, there are four d-rings which make it easy for you to tie in gear. The standard models have inflatable bow and stern covers as well as a removable inflatable floor.

1635	Cherokee	\$435.00
1636	Cherokee Self-Bailer	\$595.00
1640	Comanche	\$535.00
1641	Comanche Self-Bailer	\$700.00

## Looking for Adventure?

**K-69 and K-79 Tahitis** Most Tahiti paddlers prefer to go alone, but dual paddling is really a kick. Try a Tahiti and find out! There is a sense of accomplishment from coordinating the dual paddling technique. Tahitis are economical, durable and lightweight. The K-69 weighs 19 lb, the K-79 only 22 lb. Fully inflated the K-69 is 9'6" x 2'6" and the K-79 is 10'8" x 2'8". Sevytor builds these boats out of sturdy 20 gauge PVC material. Electronically welded seams, three separate chambers and built-in inflation gauge. 90-day guarantee against defects in workmanship and materials.

1600	K-69	\$105.00
1605	K-79	\$125.00
1601	K-69 Package	\$150.00
1606	K-79 Package	\$170.00

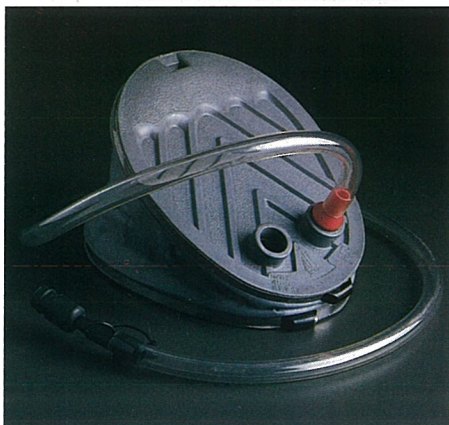


Top: Sevytex 390; middle: Sevytor K-79 Tahiti; bottom: Sevytex 305



# Pumps

24



**NRS Foot Pump** Built to high standards by the leading German manufacturer of quality foot pumps, our NRS Pump has a hard rubber body molded over a steel shank to make it virtually indestructible. Zodiac, one of the world's leading manufacturers of sportboats, specifies it for their larger models. The pump's 250 cubic inch volume makes for rapid inflation.

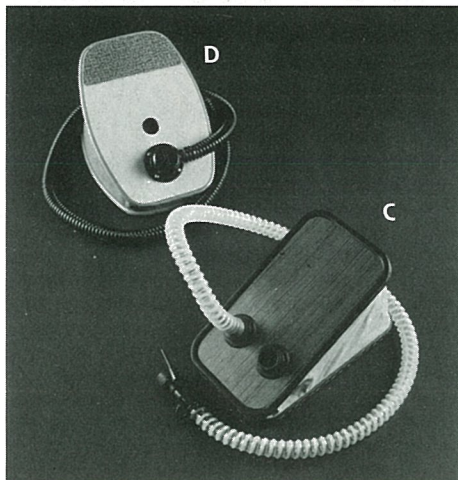
The NRS Foot Pump has Trevira bellows coated with synthetic rubber, 8" x 12" rubber-coated steel foot plates and steel hinge, inflation and deflation ports, and a 54" clear vinyl hose with a 4-part adapter to fit almost any type valve. We have yet to find a pump that's more rugged and reasonably priced than this one.

New for 1986, the NRS Tee Adapter combines the power of two NRS Foot Pumps. Just hook up the hose from each foot pump to the tee and the third end with an adapter for your inflatable. Get your raft blown up more quickly, and your morning jogging done at the same time. Buy two NRS Foot Pumps and get the Tee Adapter free.

**1700** NRS Foot Pump **\$39.50**  
**1701** Tee Adapter **\$1.00**

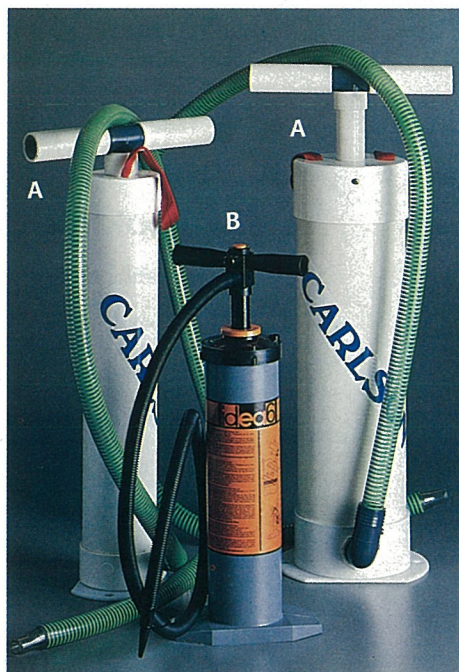
**Wonder Inflation Gauge** Solid, inexpensive gauge for any raft with military or other 1" valves. Reads from 1 to 14 psi. Don't blow up your boat, inflate it!

**1730** **\$10.00**



**A Carlson Barrel Pump** When you're out on the river and away from electricity, you want to spend the least time and energy possible pumping up your raft. The high-volume Carlson Barrel Pump the answer. Sturdy PVC components with brass valves and high quality leather cup. Completely immersible. Stands 2' high, has a 21" stroke, and is fitted with a 6' non-kink hose. Two sizes: 4" and 6 1/2" diameter. 10-year guarantee.

**1710** 4" Diameter **\$99.00**  
**1711** 6 1/2" Diameter **\$119.00**



**B Wonder Pump** You'll appreciate the technology used in this top quality, double-action, "Wonder" pump. Optional inflation gauge can be mounted on the top of the pump to insure the correct pressure. Tough lightweight plastic, with a 5' non-kink hose. Three-part adapter fits military style and most other valves. 3 3/4" bore, 13" stroke. Optional inflation gauge; add \$10.00 to listed price.

**1716** Double Action **\$39.75**  
**1715** Single Action **\$19.50**

**C Budget Foot Pump** The Budget Foot Pump is good for use with smaller rafts and inflatables. The bellows are constructed of strong rubberized material and the wooden footplates are coated with plastic for water-resistance. Complete with a 5' non-kink hose, rubber adapter for military valves, and a 3-part nozzle to fit most other valves. Modestly priced.

**1706** **\$22.50**

**D Avon Foot Pump** Following the tradition of Avon Rafts, the Avon Foot Pump sets the highest standards in materials and workmanship. Bellows plate is 7/16" laminated marine plywood with a non-slip vinyl pad. Bellows are made of Avon Hypalon material; 55" heavy-duty non-kink hose. Nozzle fits military valves. Carries Avon's one-year guarantee.

**1705** **\$76.50**

**E Big Blower** With a 110 volt, 6.5 amp AC electrical outlet available, this is the fastest way to inflate or deflate your raft. Fits military valves and puts out 60 cu ft/minute at 3 psi. Universal 1 HP, 115 volt motor with precision bearings in a lifetime lubricant. 30' "safety-yellow" cord with a molded grounding plug. Handy thumb switch permits one-handed operation, leaving the other free to close the raft valve. One year manufacturer's guarantee.

**1721** **\$99.00**

**F Aire Pump** We've been testing Dowco's redesigned Aire Pump and we are convinced that it's now one of the best. New steel fan blade won't warp under prolonged use; tough ABS casing is vented to reduce heat build-up. Operation is quick and simple; attach to a 12 volt battery and it produces up to 1 psi. Inflates a 14' raft in under five minutes. Includes adapters for military and other valves. Great for air mattresses and small inflatables. One-year limited warranty.

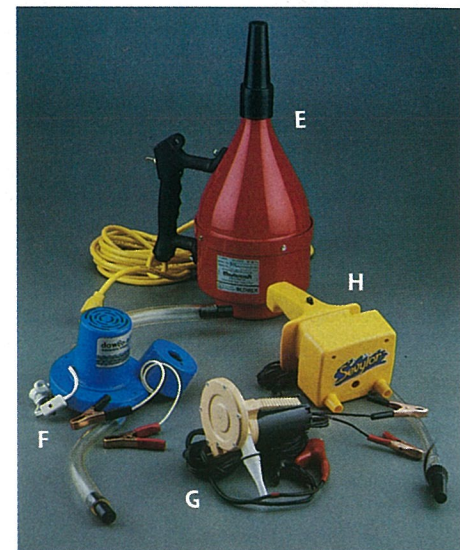
**1726** **\$29.50**

**G LVM Blower** Runs off any 12 volt battery and delivers a minimum of 20 cu ft/minute. Reaches maximum pressure of 3 psi. Housed in a glass-filled polycarbonate giving high mechanical strength and durability. Includes 9' heavy duty cable with insulated crocodile clips. Four nozzles are supplied to fit most any kind of valve.

**1720** **\$72.50**

**H Sevylor Pump** This high volume, low pressure pump works from the standard 12 volt power source in your car, truck, or motor home. A new and improved model of Sevylor's Inflator/Deflator. Designed to give you 25% more output than previous 12 volt inflators. For rafts, inflatables, camp mattresses, pool lounges, beachballs, and toys. The pump includes an 8' cord with two clips that attach to your battery, on/off switch, easy grip handle, and two nozzles.

**4725** **\$30.95**



**Outfitter-Quality Inflation Gauge** Made of drawn steel with a brass socket. Chosen for long service and consistent accuracy. Reads from 0-5 psi.

**1731** **\$34.00**





# RIVER RUNNER

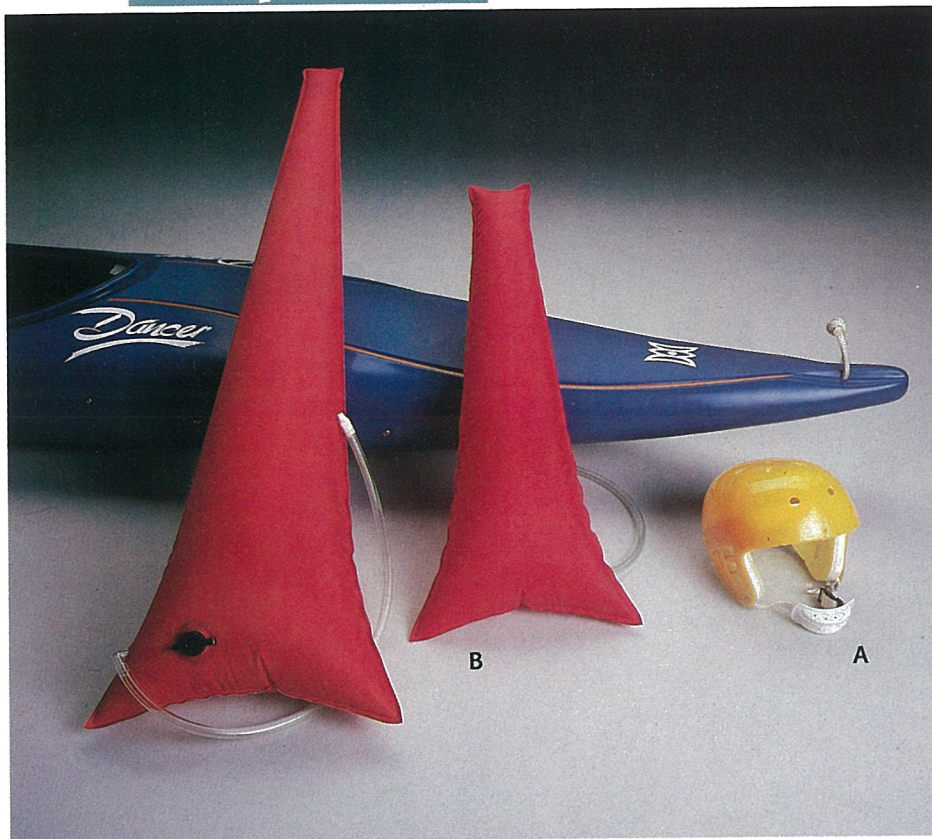
America's  
Whitewater  
Magazine

## A Whitewater Adventure All Year Long. Six action-packed issues a year!

- Product Profiles—What's New In Canoes, Kayaks, Paddles and Rafts.
- Hot Trips—Across The Country And Around The World!
- Where's It Happening—Competition, Instructions, Symposiums, Clinics.
- Who's Doing It—Stories About The Known And Unknown Paddlers Who Take It To The Limit.
- Techniques For The Experienced And For New-Comers.
- Ocean Paddler—Time To Get Your Feet Wet—If You've Never Tried It—A Year Round Sport.
- The Usual And The Very Unusual.

Subscribe Today—See The Envelope In This Catalogue.





**B NRS Kayak Flotation Bags** Lightweight durability no longer costs a fortune! Save weight and money on the NRS Lightweight Nylon/Vinyl Float Bags!

Until now you either accepted a weight penalty to get a reasonably priced float bag, or paid a premium price to get the light weight and durability of urethane-coated nylon. The NRS Floats bring you nylon's durability at approximately half the weight of 20 mil vinyl and at less cost.

NRS Nylon/Vinyl Float Bags are carefully crafted from quality materials, and carry our one-year guarantee on workmanship and materials. Bags are constructed of vinyl coated nylon with welded seams and feature the Halkey-Roberts 320 TE inflation-deflation valves. If you have ever huffed and puffed over the old-fashioned little red valves, you will appreciate the clear air channel and simplicity of these premium valves.

NRS Light Weight Nylon/Vinyl Split Float Bags are designed for kayaks with pillars. Set of four bags. NRS Standard Float Bags for kayaks without pillars. Set of two bags.

**2080 Split Floats** **\$34.50 set**  
**2081 Standard Floats** **\$30.50 set**

**Voyageur's Sto-Floats** This is our first choice in flotation storage systems for kayaks without center pillars. Sturdy blue 20 mil vinyl and heat-sealed seams give many years of dependable service. The set weighs 4 lb 9 oz and includes one bow flotation storage bag with inflation hose, and one large stern storage bag with inflation hose and rapid deflation valve.

**2085** **\$47.50 set**

**Voyageur's Split Sto-Floats** This set offers storage in the two stern bags. Designed for boats with center pillars, they have the same quality construction as the #2085 Voyageur's bags. 5 lb 6 oz.

**2086** **\$52.75 set**

**NRS Sprayskirt** If you have ever had your sprayskirt blown off in the middle of a rapid, you will appreciate the new NRS Sprayskirt. This skirt takes the standard shock cord design one step further by incorporating the 5/16" shock cord within a double wrap of neoprene. This design holds the skirt very securely to the kayak and reduces the chance of having the skirt pop off in heavy water.

Features nylon-2 neoprene construction with wear patch material around the edge to protect the skirt from paddle abrasion. All seams are glued and sewn and there is a spine pad for paddling comfort.

We offer this sprayskirt in three different cockpit rim sizes. The Small fits kayak cockpits with a circumference of less than 73", the Standard fits Perception kayaks or kayaks with cockpit rims of 73" to 82" and the Large fits the Prijon or similar kayaks with cockpit rims 82" in circumference or greater.

Waist Sizes: S(24" to 28"), M(28" to 32"), L(32" to 36"), XL(36" to 41").

**2050 Small Cockpit** **\$37.95**  
**2055 Standard Cockpit** **\$39.95**  
**2060 Large Cockpit** **\$41.95**

## Keep Afloat

**A NRS Helmet** When we started looking for a kayaking and rafting helmet, we knew what we wanted: A high quality, durable helmet with the protection of shock-absorbing foam and the comfort of softer foam. The solution was two foam layers. Inside the outer shock-absorbing layer is a super soft inner layer that cushions your head. Well positioned ventilation/drain holes and ear slots, with a chin strap closed with a quick release buckle and threaded through a molded chin cup. Medium weighs 10 oz. Small size fits head measuring 21"-22", medium 22 1/2"-23", large 23 1/2"-24."

**2025 Red S, M, L** **\$19.50**  
**2015 Blue S, M, L** **\$19.50**  
**2020 Yellow S, M, L** **\$19.50**

**Ethafoam Blocks** Kayakers use ethafoam for seats and pillars, rafters for seats and floor protection, canoeists for extra flotation. Blocks measure 2" thick x 12" wide x 54" long and weigh only 2 lb. You'll need two blocks for a full kayak pillar system.

**2083** **\$15.75 blk**

## Spray Skirts

Please take note of the cockpit size limitations in the spray skirt description. To select the proper spray skirt for your boat, measure under the kayak cockpit rim with a cloth tape.

**Harmony Spray Skirt** The Harmony Spray Skirt is designed specifically for use on the popular "plastic" kayaks. The flexible, molded rubber gasket provides a non-slip cockpit seal. Constructed of 1/8" neoprene, the material has nylon inside and out for extra durability. All seams are glued as well as blind-stitched on both sides. The Harmony fits boats with cockpits larger than 73". Waist sizes: S(24" to 28"), M(28" to 32"), L(32" to 36"), XL(36" to 40").

**2070 S, M, L, XL** **\$69.95**



NRS Sprayskirt



# Canoeing

**Canoe Floats** Designed to provide open canoes with complete flotation for running whitewater. Float bags displace their volume in water to lessen the danger of swamping. Should the worst happen and you dump your boat, retrieval is much easier because most of your boat is filled with air, not water.

**NRS Center Bag Float** New in 1986 for whitewater open canoeists, a lightweight nylon/vinyl canoe center float, constructed from vinyl coated nylon material with welded seams. It has an 18 inch, 1/2 inch diameter clear vinyl hose with a Halkey-Roberts 320 TE valve. It also has a quick deflation valve and a tie-down grommet in each corner. The bag is 60" long and 36" wide. Fits most canoes except those with upright bracing.

**\$32.50**

**NRS Maxi Splits** A pair of large rectangular bags that provide center flotation. These floats fit canoes with center upright bracing. Dimensions: 22" W x 68" L. Set includes two bags.

**\$39.50 set**

**Voyageur's** Constructed of 20 mil blue vinyl. Voyageur's floats are equipped with 8" inflation hoses, rapid deflation valves, and tie-down grommets. Lifetime guarantee against effects in workmanship and materials.

**Voyageur's Solo Floats** One of these large, tapered bags will completely fill the bow section of most 16' or 17' canoes. With another bag placed in the stern you have complete flotation for solo paddling. Dimensions: 15" (widens to 36") x 60" L. Set of two bags.

**\$54.00 set**

**Voyageur's End Bag Floats** These small, tapered bags are used for bow and stern flotation when paddling with a partner. They fit most ABS and fiberglass canoes, but don't fit rafts with built-in bow and stern flotation chambers. Dimensions: 14 1/2" (widens to 24") x 32" L. Set of two bags.

**\$33.00 set**

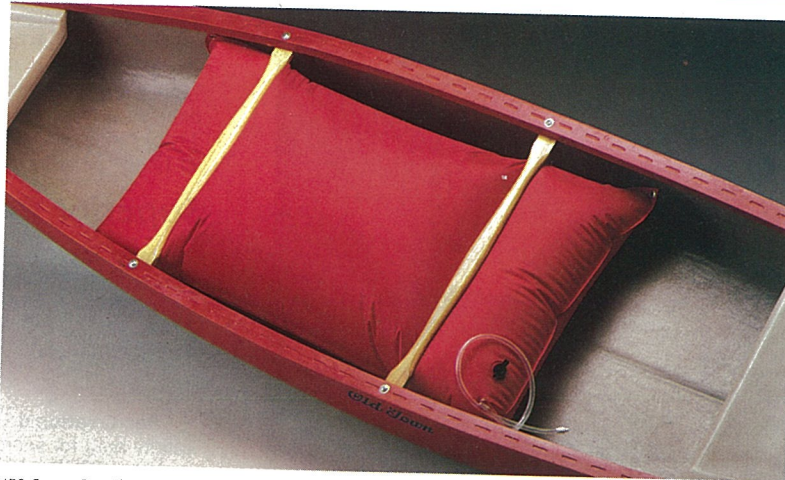
**Vynabond** The adhesive of choice for vinyl linings. (Flammable: no parcel post or air shipments).

**15** 2 oz Tube **\$2.95**  
**16** 12 oz Can **\$8.00**

**Prijon T-Slalom** The T-Slalom whitewater kayak is blow-molded out of high density polyethylene, a production composition which incorporates rigidity, design performance, and strength. T-Slalom has an incredibly responsive shell design which incorporates sharp bow edges, blithy rails, an advanced rocker, and a flat spinning bottom, uniaxially aligned for technical maneuvers and playing. The larger volume cockpit area with rounded middle lines makes the T-Slalom very stable in big hydraulics. Approximately 12'3" x 24". Red only. All kayakers are shipped motor freight collect.

**10** Prijon T-Slalom

**Perception Kayaks** Perception kayakers have become the standard for whitewater boats because they build kayakers that are strong, safe, and graceful. All Perception kayakers feature adjustable one-piece seats, strong minicell pillars, and adjustable Yakima footbraces. Mirage II, Dancer and Eclipse are available from NRS. Call Rick or 1 for current prices, shipping charges and specs. 208/882-2383.



NRS Center Bag Float

**A Pro-Tec Helmet** Pro-Tec's lightweight, secure-fitting helmet has a plastic shell and removable foam liner that ensures comfort and protection. Drain and ear openings. Includes chin strap. (Yellow or blue). Sizes: S (up to 6 3/4"), M (6 7/8 to 7 1/8"), L (7 1/4 to 7 1/2"), XL (7 5/8+).

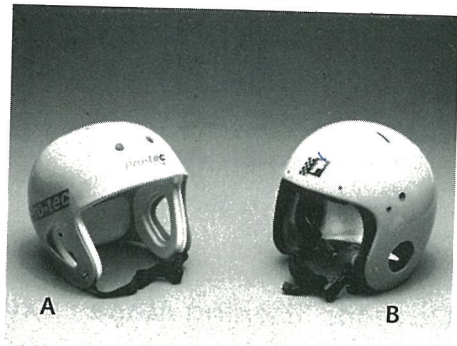
When selecting your Pro-Tec helmet, measure around your head above the brow with a cloth tape, then convert inches to the correct size: 20 3/8" = 6 1/2"; 21 1/8" = 6 3/4"; 22" = 7"; 22 3/4" = 7 1/2".

**2035** S, M, L, XL Yellow

**\$33.95**

**2030** S, M, L, XL Blue

**\$33.95**



**B Romer Kayak Helmet** This professional quality helmet provides all-round protection and safety in heavy whitewater. Horizontal upper vents provide sufficient ventilation with minimum water penetration. Rigid nylon outer shell has retractable ear coverings for protection from blasts of cold water. Padded chin strap with a "Y pull" system which keeps the helmet from slipping. Please specify hat size or head circumference when ordering. (Blue or yellow).

**2040** S, M, L, XL

**\$89.95**

**D-Rings** Steel welded D's sewn on to vinyl patches of 22 oz gray PVC/Dacron. The Canoe D has a 1" welded D-ring on a 4" patch; Super D has 1 3/4" D on a 6" patch and makes a perfect thigh brace attachment point. Both are useful for tie-downs on ABS canoes, Tahitis, and vinyl bags. Attach with Vynabond.

**2097** Canoe D

**\$2.85**

**2098** Super D

**\$4.50**



Top: Perception Mirage; middle: Perception Dancer; bottom: Prijon T-Slalom

**Call for pricing**

?  
Drog  
27



# Camping

28



**A Equalizer Foam Mattress** As you sleep, three separate self-inflating air chambers automatically equalize to fit your body contours. Gives particularly good lower back support. 72" x 22" x 3". Includes stuff sack and repair kit.

2708

\$59.95

## Outdoor Sleeping Made Luxurious

**B Therm-a-Rest** Therm-a-Rest mattresses feature a light, open-cell foam in a coated nylon shell. Unroll them, open the valve, and they suck in the air! The Expedition measures 72" x 20" x 1 1/2" and packs to a 5" diameter. Backpacker measures 47" x 19" x 1 1/2" and rolls down to 4" diameter. New this year is the Camp Rest mattress, with generous proportions of 77" x 26" x 2", packing down to a 6" bundle. Optional stuff sacks.

2700 Expedition

\$53.50

2702 Backpacker

\$40.00

2704 Camp Rest

\$63.50

2701 Expedition Stuff Sack

\$6.00

2703 Backpacker Stuff Sack

\$6.00

2705 Camp Rest Stuff Sack

\$6.00



**Loosey Goosey** Portable toilet tissue holder and dispenser. Screw on top insures waterproof protection for that valuable commodity.

2728

\$9.95

**Roll-A-Table!!** The Roll-A-Table is one of our hottest sellers. Who hasn't set a full plate of food on a log then spilled it reaching for more coffee? The Roll-A-Table provides a secure, even 32" x 32" surface. The 27" aluminum legs will support up to 175 pounds. The Roll-A-Table's top is enclosed in a durable, waterproof vinyl laminate which doubles as the carrying case. Rolled up, the compact bundle (33" x 6"; 11 lb) can be easily strapped to your raft's rowing frame.

2717

\$29.95

## Superior Posterior Support

**Roll-A-Stool** You won't believe that a camp stool could be this comfortable. Will support 250 pounds easily, folds down and has a carry strap.

2716

\$10.95

Three or more just

\$9.95 Each

**C Rec-Creational Chair** This good looking, fold-up wooden chair is solidly built for years of use. Constructed of closed grain hardwood and sealed with a hardening oil. More than 40 corrosion-resistant screws used in the construction. Polyester backrest is rot-proof. Folds flat to 27 1/2" x 13 1/2" x 2".

2713

\$32.50

**D River Chair** A popular item in our catalog. Constructed of sturdy, lightweight aluminum tubing with a durable knit polyester seat and back, it folds into a space-saving 24" x 20" x 6" package. With its contoured frame, the River Chair doubles as a canoe seat.

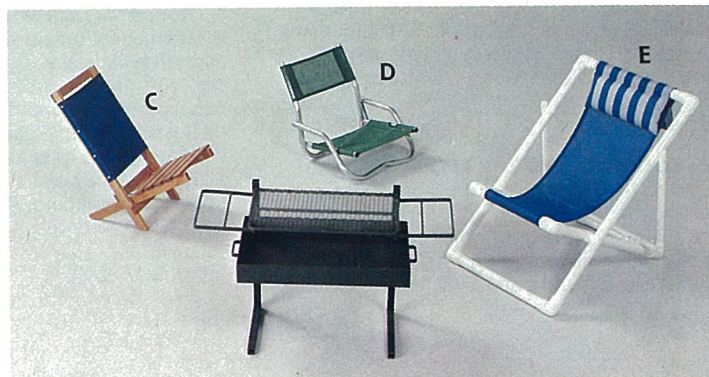
2712

\$19.95

**E Contempra Sling Chair** Stylish PVC frame won't rust and the PVC coated polyester sling is rot-proof. Five different angle settings for the backrest. Has a pillow with storage pockets and folds flat. Great for the patio!

2714

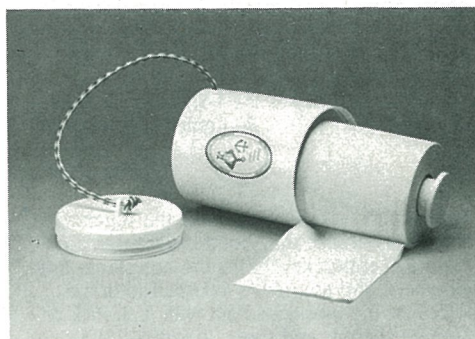
\$49.95



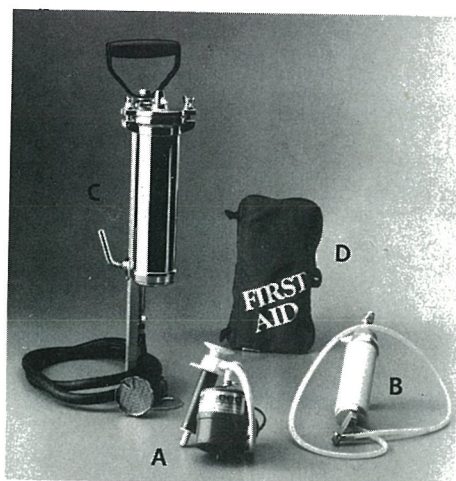
**Heavy Duty Fire Pan** As more and more people enjoy rivers, we need to lessen the impact by using fire pans and carrying out our trash. This heavy duty steel fire pan is totally free standing with height adjustments for the grill. 3" deep pan with a 24" x 15" cooking area, with fold-down warming leaves. Component pieces fit into the fire pan for storage. 28 lb.

2765

\$85.00







**A First Need Water Filter** Removes disease-causing organisms (bacteria and Giardia) and contaminants while still leaving dissolved minerals and salts necessary for good taste. Pumps out a pint of purified water in less than a minute. Weighs 12 oz.

**2730** First Need **\$39.95**  
**2731** Replacement filter **\$24.00**

**Katadyn Water Filters** These pump-operated, Swiss-made, ceramic filtration devices have long been used by the International Red Cross, and are excellent for expedition parties of any size. The Pocket weighs only 28 oz and will purify a quart of water in three minutes. The Expedition model treats 3 quarts in one minute and weighs in at 11 lb. The Expedition model should be the choice for large parties with one designated kitchen. Expedition has a footbrace with adjustable height from 24" to 32". Both models filter out infectious agents of diseases such as Giardiasis, cholera, typhoid, and dysentery. Pocket Filter has a 10" hose and the Expedition has a 6' hose. Both come complete with cleaning brush and carry case. Replacement filters available.

**B 2734** Katadyn Pocket Filter **\$165.00**  
**2735** Pocket Replacement Filter **\$85.00**  
**C 2736** Katadyn Expedition Filter **\$485.00**

**D First Aid Kit** Outdoor Research makes serious First Aid Kits for medical emergencies. Their Compact Kit offers a good assortment of supplies, organized in a zippered pack cloth pouch, weighing only 14 oz. The Deluxe Kit contains all the supplies recommended by The Mountaineers and is a good choice for those who go on extended wilderness floats. Weight 21 oz.

**2725** First Aid **\$32.25**  
**2726** Deluxe First Aid **\$48.50**

**Handbook of the Middle Fork of the Salmon, Handbook to the Rogue River, Handbook to the Deschutes** Spiral bound river logs. Quinns and King.  
**2813** Middle Fork **\$15.00**  
**2814** Rogue **\$12.00**  
**2815** Deschutes **\$12.00**

**Grand Canyon River Guide, Dinosaur River Guide, Canyonlands River Guide, Desolation River Guide** Waterproof. Belknap.  
**2818** Grand Canyon **\$10.95**  
**2819** Dinosaur **\$10.95**  
**2820** Canyonlands **\$10.95**  
**2821** Desolation **\$10.95**  
**2817** Snake River Guide—Huser and Belknap (Jackson Hole area) **\$6.95**

**Rivergods** "Brilliantly illustrated...first rate description of the rivers and their natural and unnatural history, the people and the regions through which they flow."—*New York Times*. Thirteen rivers from the Apurimac in South America to the Zambezi in Africa are profiled in detail. Hardcover. Bangs and Kallen.  
**2827** **\$37.50**

**Whitewater Rafting** By Bill McGinnis. Our best seller. Indispensable. Includes chapters on equipment, reading and running whitewater, emergencies and first aid, food, cooking, and camping. Covers selected American rivers.  
**2800** **\$8.95**

**The Guide's Guide** By Bill McGinnis. It's clear that a lot of thought went into providing all you ever wanted to know about professional river trips.  
**2823** **\$8.00**

**Class V Briefing** Bill McGinnis' new book is written for professional boatmen as the perfect combination to the **Guide's Guide**.  
**2828** **\$5.95**

**The Middle Fork and Sheepeater War, River of No Return, Snake River of Hells Canyon** By John Carrey & Cort Conley. The **Middle Fork** includes a narrative of the Sheepeater Indian War while **River of No Return** covers the Main Salmon from its headwaters to the confluence with the Snake. **Snake** covers from Hells Canyon to Lewiston, Idaho.  
**2803** Middle Fork **\$9.95**  
**2804** No Return **\$10.95**  
**2805** Snake **\$12.00**

**Idaho River Tours & Oregon River Tours** Idaho covers all parts of the Salmon and the Hells Canyon of the Snake. **Oregon** describes thirteen river tours in that state. John Garren.  
**2811** Idaho **\$5.95**  
**2810** Oregon **\$6.95**

**The Colorado River in Grand Canyon—A Guide** Features introductions to weather, geology, human history, and river running. Complete river strip map. Larry Stevens.  
**2822** **\$11.25**

**Rivers of the Southwest: A Boater's Guide to the Rivers of Colorado, New Mexico, Utah and Arizona** Comprehensive 129-page guide. Anderson & Hopkinson.  
**2812** **\$13.95**

**The Whitewater River Book** Ron Watters guide to river running covers kayaking and rafting techniques in a refreshing, entertaining style. Highly recommended.  
**2801** **\$12.95**

**Hells Canyon Guide** Spiral bound, Quinns.  
**2816** **\$6.95**

**Floaters Guide To Montana** Hank Fischer's all-purpose guide to Montana's 26 major streams.  
**2809** **\$6.95**

**Washington Whitewater** 15 of Washington's finest rivers.  
**2808** **\$9.95**

**River Runner Recipes** Patricia Chambers.  
**2825** **\$7.95**

**Colorado Whitewater** Jim Stohlquist.  
**2806** **\$12.95**

**California Whitewater** Jim Cassidy and Fryar Calhoun.  
**2807** **\$17.95**

**Lower Salmon River Guide** Compiled by the Idaho Bureau of Land Management. Water resistant.  
**2824** **\$2.00**



**River Rescue Book** A comprehensive manual describing the latest advances in river rescue strategy and equipment, Les Bechdel and Slim Ray.  
**2826** **\$9.95**

## Whitewater Videos VHS format.

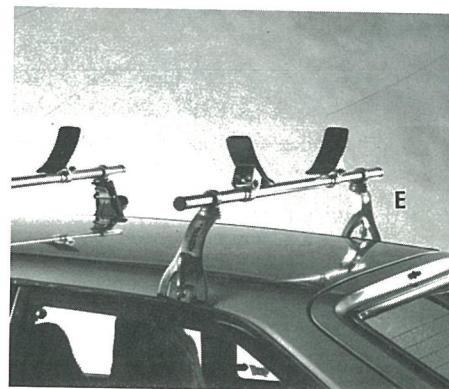
**California Whitewater** A selection of some of California's greatest whitewater, including the North Fork of the Eel, Tuolumne, North and South Forks of the American, Cherry Creek, California Salmon, and the Upper Kings. Set to music.  
**2840** **\$35.00**

**Whitewater Highlights of 1985** Highlights of trips on 16 different rivers in 8 western states. 50 minutes.  
**2841** **\$40.00**

**Somewhere in Idaho** An in-depth look at the South Fork of the Salmon; includes the first filmed raft descent of the South Fork overnight, the East Fork of the South Fork, the South Fork, Daily, and the Secesch, 35 minutes.  
**2842** **\$40.00**

**Grand Canyon 1985** Three different trips featuring rafts, kayaks, and the legendary "little dories." Filmed after the floods of '83 this video shows a totally new Crystal rapids. 40 minutes.  
**2843** **\$40.00**

**E Quik-N-Easy Brackets** Quik-N-Easy cartop brackets are the simplest and most durable brackets available. Made of high quality cast aluminum, with plastisol-covered foot and gutter hooks to protect your car's finish. Install your own platform or cross members (2 x 4s work nicely). Each set includes four brackets with necessary hardware.  
**2770** **\$28.50 set**





# Lifejackets

30



**Rogue** High flotation in a short vest! The Rogue provides up to 20 lbs of flotation. It features a full length YKK zipper, ladderloc side adjustments, and a belted bottom for a secure fit. The new supple foam is enclosed in 200 denier Oxford nylon, and is extended over the shoulder to provide comfort on portages. (Royal Blue). Sizes: S(36"-38" chest), M(40"-43"), L(45"-48"). (Royal Blue).  
**2130 S,M,L \$48.50**



**Stearns Deliverance** One of the most widely used Type III whitewater jackets in the U.S. today, offering a secure feel with a non-bulky fit. A drawstring in the hem and new shortie cut makes this a very popular jacket with canoeists and kayakers. The Deliverance has 15 1/2 pounds of ribbed foam flotation in a nylon shell. Sizes: S(36"-38" chest), M(40"-42"), L(44"-46"), and XL(48"-52"). (Blue or Yellow).  
**2160 S,M,L,XL (Blue) \$34.75**  
**2165 S,M,L,XL (Yellow) \$34.75**

## A Word About Coast Guard Ratings

All the life jackets that we offer are Coast Guard approved and satisfy the following **minimum** buoyancy requirements:  
 Type III: 15.5 pounds  
 Type V: 22 pounds  
 Type III life jackets are designed for recreational use. Any Type V life jacket is specifically designed for whitewater use.

**Whitewater Life Jacket** The Stearns Whitewater Life Jacket continues to demonstrate its reliability on rivers all across the nation. Two adjustable heavy-duty safety straps with spring-snap closures keep the jacket snug. Soft PVC Aquafoam provides good buoyancy (Type III/V; 22 lbs) and a padded collar protects the back of the head. The International Orange covering is made of durable nylon. Three sizes: Youth fits 24" to 30" chest (50-90 lbs), Small fits up to 38" chest, and Large fits 40" chest size and above.  
**2101 S,L \$54.50**  
**2100 Youth \$42.50**



## New for '86

**America's Cup** Our most popular lifejacket in 1985 has been improved. America's Cup Type III/V now comes with Fastex quick release buckles. These new plastic buckles make the jacket easier to put on and take off.

This lifejacket stresses comfort and security. Not just comfort while standing, but while paddling, scrambling over rocks, or practicing the Eskimo roll. A very comfortable jacket for people who do most of the work. A soft lining and three heavy duty adjustable straps are particularly appealing. Three sizes: Youth 24" to 29" chest and 50-90 lbs weight; Small, 30" to 40" chests; Large, 40" chest size and above.

### SPECIAL PRICE

**2111 S,L \$55.75**  
**2110 Youth \$49.50**

### A Personal Flashlight With Precision

**Optics** This is an amazing flashlight! Precision machined of aircraft grade anodized aluminum with rubber O-rings, the Mag-Lite is waterproof to more than 200 feet. Special long life, extra-bright bulb meets aerospace standards. Unique adjustable beam narrows from a soft flood to an intense spot. Remove the head of the Mini-Mag and it turns into a mini table lamp for your tent or RV. Mini-Mag measures 5 1/2" L, weighs 4 oz, and uses two AA batteries. ML3 is 12 1/4" L, weighs 28 oz, and uses three D cells (cells not included). Lifetime guarantee on external components. Spare bulb housed in the tail of each light. Pack cloth belt holster available for Mini-Mag. Mini-Mag accessory pack includes wrist lanyard, pocket clip, key ring, amber, red and clear lenses, lens holder. Brighter, longer burning krypton bulb available for the ML3.

**2745 Mini-Mag \$13.95**  
**2746 Mini-Mag Accessory Kit \$4.50**  
**2747 Mini-Mag Belt Holster \$4.75**  
**2748 ML3 Mag-Lite \$28.50**  
**2749 ML3 Krypton Bulb \$3.75**





**Hi-Float Life Jacket** This Type III jacket from Wildwater Designs is great for the serious big-water boater. Cut for mobility the jacket provides 26-29 1/2 pounds of flotation from closed cell foam. The Hi-Float features full-length front zipper, waist tie, 5" fold-up bottom, and elasticized lower hem. Get a really secure fit with the cinch straps on each side. The outer shell is 400 denier oxford nylon and 200 denier oxford nylon lines the inside. (High-visibility red). Sizes: S(36"-38"chest), M(40"-43"), L(44"-48").  
**2145 S,M,L**

**\$65.00**

**Harishok Type III** A specially cut Airex foam packs 16 pounds of flotation into this very comfortable, thin profile lifejacket. Oxford nylon shell and lining. Fit your Harishok snug with the webbed belt and Fastex buckle. Sizes: S(29"-34" chest), M(35"-40"), L(40"-44"), XL(44"-48"). (High Visibility Orange).  
**2150 S,M,L,XL**

**\$49.50**



**Delta Maxi-Float** A high quality, economical jacket. Comes with full length zipper, adjustable waist strap with quick release Fastex buckle, and cinch straps below the armholes. Although carrying a Type III rating (15 lbs flotation), it actually provides 26-29 pounds of flotation. The Delta Maxi can be used by the big-water kayaker by folding up the bottom. A combination of PVC and polyethylene foam results in a comfortable jacket with good freedom of movement. Attachment points for the Delta Crotch Straps. Recently, I had my first occasion to use (and need) crotch straps and I'm now a believer. (Royal Blue). Sizes: S(28"-34" chest), M(34"-38"), L(40"-44"), XL(46"-50").  
**2140 S,M,L**

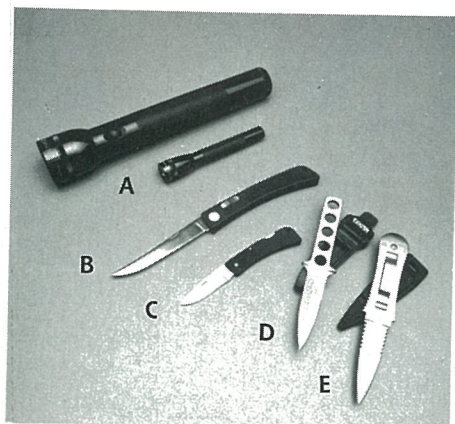
**\$65.00**



**B Gerber Fisherman's Knife** Flexible fillet blade of high carbon stainless steel. Ultra light and easy to clean, it features a bolt action locking mechanism that lets you close the blade with one hand. Length when open 11"; closed 6". Blade thickness .070", cordura scabbard included.

**2755**

**\$31.95**



**C Gerber LST Pocket Knife** Blade opens easily with "lubricated for life" bushings. Unbreakable Zytel handle houses a 2 5/8" high carbon surgical stainless steel drop-point blade. This is the last word in pocket knives. Weighs 1.4 oz.

**2756**

**\$19.50**

**D Tekna Knife** This knife is made from a single piece of molybdenum/vanadium stainless steel so it won't rust and will keep an edge. Sheath is ABS plastic with one-hand operation.

**2760**

**\$49.95**

**E Gerber Clip-Lock Knife** Razor sharp with a partially serrated double cutting edge, this is a serious tool for the serious river runner. The stainless steel clip locks the knife securely into its case, but can be removed instantly with one hand when needed.

**2757**

**\$31.95**

**Delta Crotch Straps** Provide extra security for non-swimmers and increase safety in heavy whitewater. Designed for use with Delta jackets.

**2145**

**\$6.00**



# Drysuits

32



**A Stohlquist Semi-Dry Suit** Full coverage paddling suit with many of the features of a dry suit at a fraction of the price! Front zipper with a rollover placket that provides a leakproof seal. Fabric is 200 denier waterproof oxford fitted with gasket style neoprene cuffs, velcro-cinch ankle closures, and neoprene collar. All seams are double stitched and welded with heat seal tape. Inside pocket for safe storage of cash or keys. See sizing chart. (Royal Blue).

2270 XS,S,M,ML,L,XL

\$127.50

**B Stohlquist Dry Suit** Newly engineered front-entry standard zipper with a fold-lock watertight seal. Material is a coated oxford with latex seals at the wrists, ankles and neck. Seams are welded with heat seal tape. An inside pocket provides safe storage for cash or keys. See sizing chart. (Royal Blue).

2260 XS,S,M,ML,L,XL

\$179.50

**C Stohlquist Underalls** Jump suit specifically designed to be worn under a paddling suit or dry suit. ADF nylon fleece is soft and comfortable, and effectively wicks moisture away from your skin and does not retain water or body odors. Underalls are fitted with front zipper for easy entry, double-reversed collar for fluffy warmth, and poly-rib cuffs and ankles. See sizing chart. (Navy w/ Maroon).

2280 XS,S,M,ML,L,XL

\$85.00

## So What's a Drysuit?

Most people know what a **wetsuit** is; a thin layer of water gets into the suit and your body warms it up. But, even with a wetsuit, if you are paddling a cold stretch of whitewater, your body loses its stored heat after repeated splashings. Drysuits seal the water **out** by using entirely waterproof material, waterproof zipper

entries and snug fitting rubber seals at the neck, wrists and ankles. Drysuits are intentionally loose-fitting garments, allowing the paddler to wear warm clothes under the suit. We recommend nylon pile, polypropylene or Synchronia as undergarments. So why waste your energy trying to keep warm when you need that energy to paddle? Try a dry suit instead.

**D Body Glove Farmer John** For years Body Glove has been the premier surfing wetsuit. These suits are comfortable and durable, with Nylon-2 neoprene construction and a full front zipper for easy ventilation, an extra layer of material at the knees, and ankle zips. Seven sizes, XS-XL; see sizing chart. (Charcoal Gray).

2225

\$92.50

### Body Glove Sizing Chart

Size	Height	Weight	Size	Height	Weight
XS	5'	105	ML	6'	185
S	5'2"-5'4"	125	L	6'	205
SM	5'4"-5'7"	140	XL	6'	230
M	5'6"-5'11"	165			

### Stohlquist Sizing Chart

Size	Neck	Chest	Waist	Hips	Inseam
XS	14 1/2"	33"-35"	26"-28"	32"-34"	26"-28"
S	14 1/2"	35"-37"	29"-31"	35"-37"	26"-28"
M	15 1/2"	39"-41"	32"-34"	39"-41"	30"-31"
ML	15 1/2"	39"-42"	32"-34"	39"-42"	32"-32"
L	16 1/2"	43"-45"	36"-38"	43"-45"	32"-34"
XL	17 1/2"	47"-49"	40"-42"	47"-49"	32"-34"

**E Dry Fashion Drysuit** Dry Fashion's stretchy Avilastic material keeps water out and "breathes" to prevent moisture build-up from perspiration under the suit, so you stay dry.

The suit is cut full and has rubber closures on the neck, wrists, and ankles. A waterproof zipper across the back provides entry and exit. With this suit you will be able to enjoy the rivers practically year 'round. Please specify height and weight when ordering. SPECIAL: We will give you a FREE pair of NRS Wet Shoes (#2300) to go with each Dry Fashion Drysuit you purchase. (Be sure to specify shoe size). (Gray w/ red and blue trim).

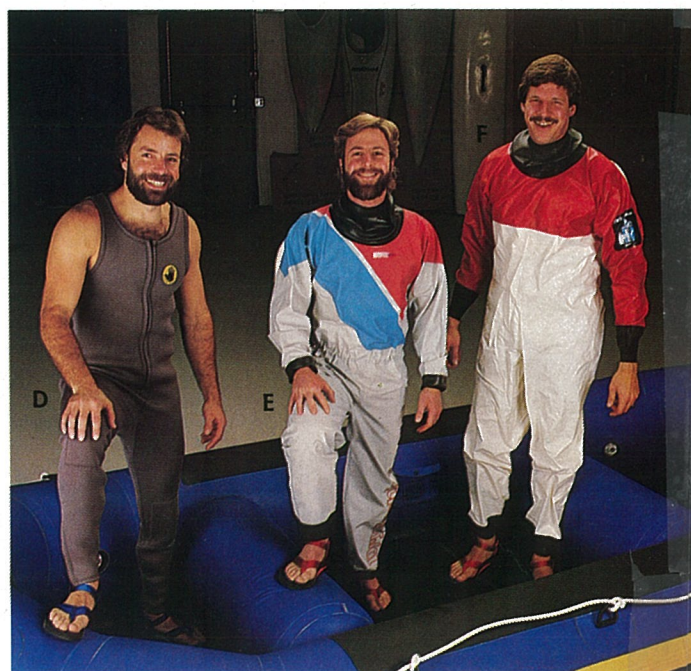
2250

\$249.00

**F Helly Hansen Dry Suit** Dry suits are taking the country by storm and Helly Hansen offers one of the best of these cold-weather garments. PVC material with rubber closures on the neck, wrists, and ankles keep kayakers and rafters dry and comfortable in the roughest whitewater. Suits are cut full so you can wear pile or polypropylene underwear for added warmth. Waterproof zipper across the shoulder for access. Specify your height and weight when ordering. (Red and white).

2245

\$149.00





## NRS Introduces the Affordable German Drysuit

**NRS Drysuit** Imported by Northwest River Supplies, the NRS Drysuit is made of stretchy breathable Avilastic material. This unique material was rated more durable than PVC by *River Runner Magazine*. The suit is so lightweight and comfortable that you may forget you've got it on. Avilastic allows the paddler more comfort and range of movement while keeping the wearer dry and warm. The suit has latex seals on the wrists, ankles and neck and a waterproof zipper across the back. Specify height and weight when ordering. Same as pictured at left. Available in red or gray.

2235

\$195.00

**NRS Gripper Glove** NRS brings you these neoprene reinforced 5-finger gloves with special vinyl coated gripping palms. Purists believe there is no substitute for the grip of a bare hand, but we think our Gripper Gloves actually improve your bare hand grip. The gloves feature a 2 mm neoprene back (dark blue) and pre-shrunk cotton palm (light blue) impregnated with special granules and then vinyl coated. Reinforced palm and thumb give outstanding grip. For colder weather use polypropylene liners for extra warmth without losing your grip. Velcro wrist band can be tightened down to fit any wrist.

2400 Gripper Glove S,M,L,XL

\$17.50

2435 Polypro Liner XS,S,M,L,XL

\$12.00



**A Boater's Gloves** Sailors have used this type of fingertip-less glove for years, ensuring a sure grip and avoiding blisters. Highly versatile. You can row, open a can or tie knots with these gloves on. The suede palm does not stiffen, and the mesh back dries quickly.

2430 S,M,L

\$19.95

**B Rafter's Gloves** Light, strong and comfortable, the rafter's glove features a two finger mesh strip on the back for ventilation and drying. The main body of the glove is vinyl-impregnated cotton to reduce the chance of blistering. Try them for rafting, canoeing, windsurfing, or even racquetball. Sizes: S(7-7 1/2), M(7 1/2-8), L(8-8 1/2), XL(8 1/2-9). (Send us a tracing if you're not sure of your size.)

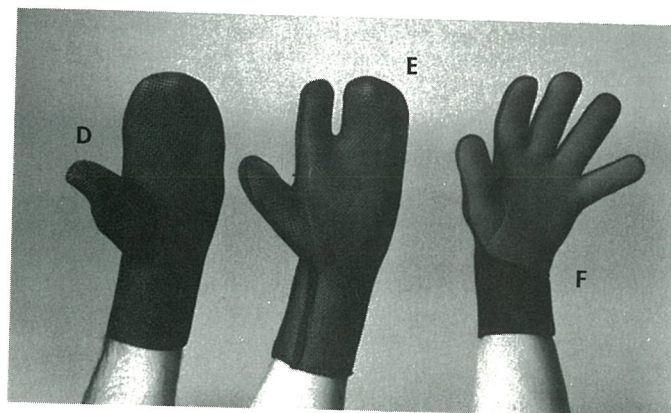
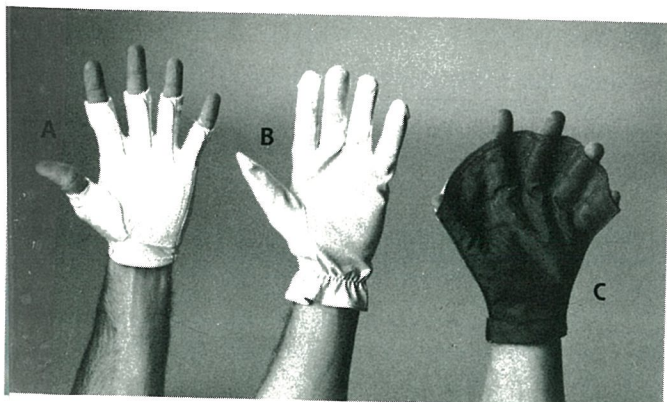
2425 S,M,L,XL

\$6.25

**C The Web** Hand fins give the hot-dog no-paddle kayaker greater power and control for rolls and stunts. Can even be used as emergency paddles on an expedition. The Web is flexible nylon with flow-through lycra net backing and has a Velcro strap closure. Provides 2.6 times the power of your bare hands; great for open-water swimming. (Blue).

2420 S,M,L,XL

\$11.95



**D Wetsuit Mitts** Provide the most warmth of any paddling handwear. Indispensable for cold weather river trips, these wetsuit mitts are made of 3/32" textured neoprene to give you a solid grip on your paddle or oar.

2415 S,M,L,XL

\$12.00

**E Three Finger Gloves** This "shooting glove" style SeaSuits mitt allows for more dexterity than standard mitts. Made of 1/8" textured neoprene, these 3 finger gloves have a good snug fit with long wrists for extra warmth. Excellent for coldweather boardsailing.

2410 S,M,L

\$13.50

**F Five Finger Gloves** These 5-finger gloves are designed for protection on really cold days on the water. Constructed of 1/8" neoprene, the glove is first glued, then blind-stitched for strength. Preformed for a comfortable fit. (Navy and Royal Blue).

2405 S,M,L,XL

\$20.50



# Footwear

34



## Warm Toes

**NRS Wet Shoes** Warm your toes and protect your soles from sharp rocks. The old booties are obsolete and NRS has led in the revolution to satisfy your feet. To complement the widely popular NRS Wet Shoe and Nylon-2 Wet Shoe, we have added the Felt-Sole Wet Shoe for 1986. By working directly with the manufacturer, we can offer the Wet Shoes at very reasonable prices. All have non-slip molded rubber tread or felt soles for sure footing, with padded insoles that help make portages more bearable. There is a one-year warranty covering defects in materials and workmanship. Sizes XS, S, M, ML, L, XL. See sizing chart.

**C Nylon-1 Shoes** Constructed of warm 5 mm thick nylon-lined neoprene with glued and lock-stitched seams and covered with reinforcing rubber. Critical abrasion areas (toe cap, instep, heel cap) are coated with an extra vulcanized molded rubber sheet. Pull the ankle gaskets of a dry suit over the top of the shoe and turn your Wet Shoes into dry shoes!

**2300 \$19.95**

**D Nylon-2 Shoes** Nylon fabric has been added on both sides of the 5 mm thick neoprene for added styling and more abrasion resistance. A convenient side zipper makes putting on and taking off easier. The lock stitched seams are reinforced to give you a stronger boot.

**2310 \$26.50**

**A NRS Wetsock** Three-piece Nylon-2 construction with separate sole and side panels. All edges are finished with seam tape. For extra warmth, try the NRS Wetsocks inside your sneakers, hunting shoes or climbing boots. Men's sizing: S(6 1/2-7 1/2), M(8-9), L(9 1/2-10 1/2), XL(11-12).

**2340 S,M,L,XL \$15.50**

**B NRS One-Toe Wetsock** There is only one problem with sandals—you can't wear them in cold weather! We decided to do something about that problem and came up with the NRS One-Toe Wetsock. It fits nicely in the Teva sandal and keeps your feet cozy and warm. It's made with the same three piece construction as the standard NRS Wetsock, with all edges sewn and sealed with seam tape. Please specify shoe size when ordering.

**2345 \$17.50**

**Special Deal:** Buy the Teva Sandal and the NRS One-Toe Wetsock at the same time and get both for only \$35.00



**Croakies** The most comfortable, effective and stylish solution to the problem of slipping eyewear. Made with soft neoprene, Croakies adjust to fit all sizes. Assorted colors.

**2462 \$3.50**

## NRS Wet Shoe & Tabata Boot Size Chart

Size	Men	Women
XS	5 1/2-7	6-7 1/2
S	6 1/2-7 1/2	7-8 1/2
M	7-8 1/2	8-9 1/2
ML	8-9 1/2	9-10 1/2
L	9-10 1/2	10-11 1/2
XL	11-12	11-12



**E Teva Sports Sandal** Outstanding recreational sandals in or out of the water. A reversible ankle strap converts to a thong option for everyday use. Teva features Velcro strap fasteners in front for fast slip-on, cushioned neoprene inner sole, patented arch support and rugged "terra-grip" sole. (Red or Blue web with black soles). Men's sizes 3-14; women's 5-12. Please specify.

**2350 Red \$21.50**  
**2360 Blue \$21.50**

**F Tabata Boot** Tabata now offers their boot in a Nylon-2 style with side zipper. Molded rubber sole with non-slip tread protects your feet from sharp rocks. The two year warranty covers defects in material and workmanship. Sizes: XS,S,M,ML,L,XL; see sizing chart.

**2330 \$46.9**

**G NRS Felt-Sole Wet Shoe** Stream fishermen have known for years that the best footwear for wading in slick creeks is a felt-soled shoe. The thick (3/8") synthetic felt sole on these new NRS Wet Shoes cushions your feet from sharp rocks and provides superior traction on slippery river bottoms. 5 mm thick Nylon-2 neoprene material with vulcanized reinforcements and side zipper make this boot extremely comfortable and functional. See sizing chart.

**2320 \$29.9**



# Wetsuits



## Wetsuits with Quality and Style

The Waterline is manufactured from top quality 3 mm (1/8") thick neoprene, faced with royal and navy blue stretch nylon on both sides. Seams are lock-stitched with dacron/polyester thread and lie flat for extra comfort against your skin. Nylon braid reinforces each seam and edge, giving the suit a handsome, distinctive look. Comes with a lifetime guarantee against defects in workmanship and materials. Call NRS Customer Service (208) 882-2383 for information on custom suits and accessories. Men's sizes: S, M, ML, L, XL. Women's sizes: S, M, L.

**A Waterline Farmer John** A sleeveless suit cut like a farmer's bib overall with a rounded neck, deep armholes, and a Velcro shoulder opening with snap. The suit features leg zips for easy pull-on and take-off, and extra padding for the knees and shins. A favorite of rafters and canoeists for all around comfort and protection.

2200 Men's  
2210 Women's

\$95.00  
\$95.00

**B Waterline Jacket** The Waterline Jacket comes with a stand-up collar, full-length front zipper, and wrist zips. Underarm gussets for extra comfort when paddling, rowing or windsurfing. The long cut of the jacket minimizes upward "creep" and provides good thermal protection.

2205 Men's  
2215 Women's

\$67.50  
\$67.50

**C Waterline Universal** Combines the mobility and spray protection of a paddling jacket and the warmth of a Farmer John. Add extra Polypropylene underwear and you are ready for the toughest conditions. Perfect for sports where you need extra arm freedom. The Universal features a full length front zipper, stand up collar, ankle zips, and waterlock nylon sleeves with neoprene cuffs. The full cut allows for extra clothing underneath. Men's sizing only.

2220

\$117.50

**D Sea Jacket** Perfect for lightweight protection whenever you're on the water—rafting, sailing, kayaking, canoeing, or windsurfing! The 2-3 mm thick Nylon-2 neoprene torso provides warmth where you need it the most, while the coated nylon set-in sleeves offer unrestricted movement. Full-length zipper, neoprene stand-up collar and snug fitting neoprene cuffs complete the design. Men's sizing; XS(up to 33"), S(34"-36"), M(37"-38"), L(39"-41"), XL(42"-44").

2294 XS,S,M,L,XL

\$57.50

**Head Gasket** A favorite of backpackers for its light weight, this neoprene visor is nice for kayaking 'cause it fits under a helmet. Stuff it into your pocket when you don't need it. Assorted colors—one size fits all.

2461

\$5.50



**Aquaseal** Simply the best wetsuit repair available. Works on scratches and scrapes on your raft too! Use COTOL for cleaning and to speed Aquaseal's curing time. UPS ground only.

2292 1 1/2 oz tube Aquaseal  
2293 4 oz can COTOL

\$5.25  
\$5.25

**Wetsuit Glue** This black liquid neoprene comes in a 4 oz can with brush top. UPS ground only.

2291

\$3.50

**Wetsuit Material** This black neoprene, faced with blue nylon, works great for patching wetsuits, spray skirts, or making your own paddling accessories. 1/8" thick and approximately 38" wide. Sold by the running foot.

2290

\$12.00/ft

### WATERLINE Wetsuit Sizing Chart

Men	Chest	Waist	Weight	Height	
Small	34-36	30-32	125-145	5'5"-5'9"	
Medium	37-39	32-34	145-165	5'8"-5'11"	
Med/Large	38-40	33-34	155-165	5'8"-5'11"	
Large	38-41	34-36	165-185	5'8"-6'1"	
X-Large	41-44	36-40	185-210	5'10"-6'3"	
Women	Chest	Waist	Weight	Height	Hips
Small	32-34	22-24	100-110	5'0"-5'6"	32-36
Medium	34-37	23-26	110-130	5'3"-5'8"	34-38
Large	36-38	26-28	125-145	5'5"-5'10"	36-40



# Paddling Jackets

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## Not Just for Kayakers

**A CKS Basic Paddling Jacket** Combines high quality and reasonable price in a jacket designed to allow maximum freedom of movement. Comfortable neoprene/velcro cuff and neck closures, and an elasticized bottom hem for a close fit over your spray skirt. (Royal blue). Men's chest sizes XS(28"-30" chest), S(32"-34"), M(35"-40"), L(40"-44"), XL(45"-50").  
**2550 XS,S,M,L,XL \$29.95**



**Call Customer Service**  
**208-882-2383**

## Best Selling

**B Blue Puma Paddling Jacket** When worn over a paddling sweater, makes paddling in adverse weather conditions about as comfortable as it can get! Neoprene/velcro neck and cuff closures seal out the water. Raglan sleeves give excellent arm and shoulder mobility, and the drawstring waist lets you adjust the jacket for a good fit. "Tooth-hold" on the cuff so you can zip it with one hand, and a zippered chest pocket. Ventilation zippers at neck and cuffs. Super K-Kote taffeta. (Cobalt blue, red trim). Sizing chart below.  
**2500 XS,S,M,L,XL \$49.95**

### Patagonia Sizing Chart

Men's Shorts	Pullover
XS (24"-26" waist)	XS (34-35 chest)
S (28"-30")	S (36"-38")
M (32"-34")	M (39"-41")
L (36"-38")	L (42"-44")
XL (40")	XL (45"-47")

## The Only Shorts You'll Ever Need

**E Patagonia Baggies Shorts** A cross between rugby shorts and loose fitting swim trunks, the Patagonia Baggies are a great choice if you're involved in active sports. Easy care fabric is a durable blend of nylon, polyester, and cotton. Elasticized waist with drawstring, tricot inner brief, two deep side pockets, and a snap hip pocket. Please give a second color choice. Men's XS-XL.

**2600 Red, Black, Marine Blue, Gold \$23.50**

**F CKS Whitewater Sweater-Jacket** Constructed of ADF nylon pile; a unique material ideally suited to action sports. It reflects body heat and wicks moisture away from your skin. It's soft as cotton, and keeps you comfortable even when wet. Full front zipper and roomy front handwarmer pockets. Made to be worn under a paddling jacket or over a Farmer John wetsuit. Chest sizes: XS(33"-35"), S(35"-37"), M(39"-41"), L(43"-45"), XL(47"-49"). (Navy w/ Maroon).

**2560 XS,S,M,L,XL \$44.95**

## A Jacket for All Seasons

**C Patagonia Super Whitewater Paddling Jacket** This paddling jacket is made of 210-denier nylon oxford coated with a hypalon-based Sealcoat. The coating is unaffected by temperature, sweat, prolonged wetness or contamination by salt water. The nylon is also protected on the outside surface by a H2NO finish for water repellency. The jacket has a waterproof "Roll Top" pocket for carrying items of great personal importance. Features latex dry suit cuffs attached with a unique no-glue O-ring system for easy replacement when necessary. Waterproof gloves can also be attached to the "O" ring system. Waist is cut short so that it will not sag down onto your sprayskirt. Gusseted 3" wide neoprene waistband makes a watertight seal. Neck closure is smooth urethane coated neoprene with a velcro adjustment for a tight seal that will not chafe. (Red or yellow) XS-XL. See sizing chart.

**2590 Red-XS,S,M,L,XL \$84.50**  
**2595 Yellow-XS,S,M,L,XL \$84.50**

**D CKS Freedom Jacket** The jacket is cut to allow freedom of movement and features comfortable neoprene/velcro cuff and neck closures. Elasticized bottom hem for a snug fit over your spray skirt and a water resistant chest pouch for emergency items. (Silver). Men's chest sizes: XS(28"-30"), S(32"-34"), M(35"-40"), L(40"-44"), XL(45"-50").  
**2555 XS,S,M,L,XL \$54.00**

**G Patagonia Synchilla Pullover** Synchilla is the coziest stuff since flannel. It's a great buffer between your skin and a paddling jacket. Absorbs little water and dries fast. 3/4 length sleeves and Lycra trim. See Patagonia sizing chart. (Cobalt Blue).  
**2585 XS,S,M,L,XL \$46.25**





## Weather Any Storm

**A Boater's Jacket** The pullover coated taffeta Boater's Jacket features a cozy pile-lined collar which zips up snugly for warmth. The double front pocket provides zippered storage and a pile-lined handwarmer pouch. Elasticized cuffs, sturdy brass snaps. (Cobalt Blue).

**2505** XS,S,M,L,XL \$42.50

**B Boater's Pants** The coated taffeta Boater's Pants have an elasticized waist secured with snaps and locking zippers, and velcro ankle cuffs. 4 oz pack cloth in the seat and knees for reinforcement. Handy thigh pocket. (Cobalt Blue). Waist sizes: S(26"-28"), M(30"-32"), L(34"-36"), XL(38"+)

**2510** S,M,L,XL \$47.50

### Blue Puma Sizing Chart

Men's chest size	M 38"-40"
XS 32"-34"	L 40"-42"
S 34"-36"	XL 42"+



## Lifa Stays Dry-You Stay Warm and Comfortable

**LIFA Underwear** The good-looking LIFA Vermont underwear from Helly-Hansen is a medium weight 100% polypropylene knit which is ideal for cold-weather layering systems. The smooth polypropylene fiber keeps you dry and insulated. The crew-neck unisex shirt features full-length sleeves with knit cuffs and the unisex pants have elasticized cuffs and waistbands. The perfect accessory for your Helly-Hansen Drysuit (Navy). Top has white-striped sleeves. See sizing chart below.

**2640** Unisex Top-XS,S,M,L,XL \$20.50

**2645** Unisex Pants-S,M,L,XL \$19.95

Tops		Pants	
Chest Sizes		Waist Sizes	
Unisex		Unisex	
XS	30"-32"	S	30"-32"
S	34"-36"	M	33"-35"
M	38"-40"	L	36"-38"
L	42"-44"	XL	40"-42"
XL	46"-48"		



## Pile for Paddling

**C Blue Puma Paddling Sweater** Made of durable Antron nylon pile, the Blue Puma Paddling Sweater is warm, lightweight, non-restrictive, and dries in a breeze. It features 3/4 length sleeves and a fleecy crew neck for extra comfort. A proven performer on many of the world's rivers, from the Alsek to the Zambezi. (Bright Yellow or Navy with Royal Blue trim). See sizing chart above.

**2515** Blue-XS,S,M,L,XL \$39.95

**2520** Yellow-XS,S,M,L,XL \$39.95

**D Magnum Duck Hat** Keep cool in all that heat! A carefully designed river running hat made of cotton canvas duck. Wet it down to keep yourself cool. The extra-long fold-up bill protects eyes and nose from the burning sun. No more hot heads, peeling noses, or squinting eyes. Natural color, machine washable.

**2460** \$19.95

## Pile for Your Legs

**E Pile Pants** Blue Puma's comfortable nylon-pile pants offer warmth on chilly days. Adjustable bungee cord waist, ankle zippers and front slant pockets. (Royal Blue). Waist sizes: S(26"-29"), M(30"-33"), L(34"-36").

**2525** S,M,L \$43.50

**F River Hat** Stylish hat at home on the river or out on the town. Material is water resistant and provides good air circulation. Vent holes in the side can also be used to string a cord so you don't lose the hat to the wind. (Tan).

**2470** S,M,L,XL \$14.50

**NRS T-Shirt** A high quality 100% cotton long sleeve t-shirt with our logo tastefully across the chest and NRS down one sleeve. Chest sizes: S(34"-36"), M(38"-40")

L(42"-44"), XL(46"-48").  
**2650** S,M,L,XL \$9.75





# Waterproof Bags

## Waterproof Bags Often Imitated, Never Equaled

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Based on 15 years of river running experience, NRS has created the most functional line of waterproof bags available, and we're proud of their reputation. People use them not only for water sports such as rafting, canoeing, sailing, and fishing, but hunters, fishermen and skiers have discovered their advantages as well. We offer a wide range of sizes and features from the extra large Basic, System and Kitchen Bags, through the Bills Bag series and on into the Tuff Sacks, see-thru Ricksacks and Dri-Stows. We're sure you can find a bag to satisfy the need to keep your gear dry.

Bills Bags have our time-proven closure: just squeeze excess air from the bag, press the tabs together, roll down the top flap at least three folds, and cinch the top and side straps down tightly. They have side release buckles for quick access to your gear. The Bills Bags seal best when packed full, so it's a good idea to match bag size to your most frequent use. All sizes of the Bills Bags have rustproof premium quality quick release buckles and 2" padded shoulder straps for portaging. The Basic, System and Kitchen Bags are fitted with our famous triple-track minigrip closure for extra waterproof protection.

All of our waterproof bags are made of tough PVC-coated dacron with leakproof, electronically welded seams. Bills Bags are the original heavy-duty PVC/DACRON waterproof gear bags. The fabric-supported material of these bags will still be shedding water when unsupported vinyl imitations are worn and leaky. All bags carry a one-year guarantee against defects in material and workmanship.

## New Bags!! XR-5 Has Bottomed Out!!

Our toughest bags are now armored with a welded extra bottom of commercial grade XR-5 material. A layer of this super tough material, developed and proven in the extreme conditions of Alaska's North Slope, provides maximum protection for this vulnerable area of the bag. If your most malicious friends mistreat your equipment or you must drag your gear over rocky slopes on impossible portages, then these are the bags for you!



**A Bills Bag 3.8** Our most popular waterproof bag, the 3.8 cubic foot capacity (13" x 16" x 32" packed full) provides enough room for two persons' carefully packed gear. Constructed of 18 oz PVC-coated dacron and available in Original Orange, Deep Blue, and Camouflage.

If you need an even tougher bag, we now offer a heavier 22 oz Bill's 3.8 with XR-5 heavy duty bottom. (Red only).

<b>2900</b> Orange	<b>\$49.95</b>
<b>2901</b> Blue	<b>\$49.95</b>
<b>2902</b> Camouflage	<b>\$53.75</b>
<b>B 2903</b> Dark Red w/heavy duty bottom	<b>\$57.50</b>

**C Outfitter Bag** This bag was originally designed for commercial outfitters who needed an exceptionally durable yet economical bag. The Outfitter Bag is made of extra-heavy 22 oz PVC/Dacron with leakproof, heat welded seams. While similar to the 3.8 Bills Bag, it has a convenient 1" web carry handle instead of shoulder straps, and comes in assorted colors. Also available in the 2.2 cubic foot size.

<b>2915</b> 3.8 Outfitter	<b>\$39.00</b>
<b>2916</b> 2.2 Outfitter	<b>\$35.50</b>

**NRS Patch Kit** This kit contains a 3" x 4" piece of clear vinyl, a small (1/5 oz) tube of Vynabond and directions for repairs on all vinyl products. Included with each of our Bills Bags.

<b>2965</b>	<b>\$.50</b>
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**D Bills Bag 2.2** The personal-sized gear bag. The Bills 2.2 measures 10" x 15" x 25" packed full and provides approximately 2.2 cubic feet of dry storage—enough space for one person's gear on most any trip, and in a handier size than the 3.8 Bills. Same closure method and quality materials as the 3.8 bag. (Deep Blue).

<b>2910</b>	<b>\$46.50</b>
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# Waterproof Bags

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**E NRS Gear and Day Bags** For the budget-minded sportsman. Both feature a patented watertight slide closure, envelope style construction, two corner grommets, and 18 oz PVC/Dacron material. The Day Bag has a 12" opening and is 17" long with the closure in place; Gear Bag has a 20" opening and is 30" long. (Deep Blue).

2930 Gear Bag \$21.00  
2931 Day Bag \$13.95

**F River Duffel** Modeled after "luggage-style" duffel bags, the River Duffel is built of the same high quality PVC/Dacron waterproof material as the Bills Bags with a 1" carry handle. It has plenty of room for two people's clothes and daily necessities. Because the simplified roll-down snap closure is **not** designed to be watertight, you may want to keep certain items in Tuff Sacks within the River Duffel. 18" W x 22" L x 14" H when packed full. (Deep Blue).

2932 \$20.95

**Bag D's** For adding tie-down points on any of your NRS Bags. 4" diameter, 18 oz PVC/Dacron patches with sewn-on 1" welded D-ring. (Blue, Orange, Red, or Camouflage). Use #1915 Vynabond for attaching.

2960 Blue \$1.95  
2961 Orange \$1.95  
2962 Camouflage \$1.95  
2963 Red \$1.95

**G Bills Bag 1.2** This smallest version (7" x 12" x 25") of the famous Bills Bag has all the quality features of its big brothers, but with a 1.2 cubic foot capacity. Perfect for bicycling, hiking, or keeping your daily needs dry and at hand while rafting, canoeing, or sailing. (Deep Blue).

2911 \$41.20

**H Tuff Sacks** For those who need a bag as tough as the Bills Bag, but with a simplified closure system, the Tuff Sack has a Velcro roll-down closure, 18 oz PVC/Dacron material and quick-release buckle that's both fastener and handle. These bags are great for organizing your gear inside a Bills Bag. For quick access to all those daily necessities—just snap a Tuff Sack around a D-ring, frame, or canoe thwart. For cross-country skiing, snap the Extra-Small Tuff around your belt to hold your wax kit. Tuff Sacks come in four sizes: XS (4 1/2" x 4 1/2" x 12"), S (5 1/2" x 5 1/2" x 14"), M (6 1/2" x 6 1/2" x 22"), L (7 1/2" x 7 1/2" x 28"). Extra-Small Tuff available in Blue or Orange; Small, Medium and Large in Blue.

2945 XS Blue \$10.50  
2946 XS Orange \$10.50  
2947 S Blue \$12.50  
2948 M Blue \$16.75  
2949 L Blue \$19.95

**X-Long Tuff** Featuring the same 18 oz PVC/Dacron, velcro closure and quick-release buckles as the original Tuff Sacks. Measuring 7 1/2" x 7 1/2" x 36", the bag holds the Roll-a-Table and 4 Roll-a-Stools. Ideal for storing your tent and long tent poles or gear in your sea touring kayak. (Deep Blue).

2950 \$24.50

**XR-5 See-Thru Bills Bag** This will be your favorite bag for '86. 14 oz see-thru Dacron-reinforced PVC material equipped with the super-tough XR-5 reinforced bottom. 3.8 cubic feet of dry storage with the time-proven Bills Bag closure and padded shoulder straps. Best of all, you know it's your gear before you open the bag, because it's clear! No more time-costly gear shuffling at the take out. XR-5 bottom guarantees many seasons of trouble-free use.

2904 3.8 XR-5 See-Thru \$55.00

**I NRS Ricksack** A problem with most waterproof bags is that it's dark in there; even when you open it up it's hard to tell your sweat socks from your skivvies without pulling them out. These clever new bags from the laboratories of NRS use a clear, Dacron reinforced, 14 oz PVC material with the time-proven, Velcro roll-down waterproof closure that doubles as a carry handle. Keep this bag as your personal friend, give it a name, or send it off to college if you want. It's yours. Nobody touches it because they see your stuff in it. Great for nighttime necessities—hold a flashlight against the outside of the bag and illuminate the entire contents. Three sizes: S (5 1/2" x 14"), M (6 1/2" x 6 1/2" x 22"), L (7 1/2" x 7 1/2" x 28"). (Clear).

2940 S Ricksack \$12.50  
2941 M Ricksack \$16.75  
2942 L Ricksack \$19.95





# New Bags



System 5 Bag

**System-5 Bags** A new series of bags and accessories that lets you match your needs to your pocketbook so that you just purchase the features you need. Even in its least expensive configuration you still get our triple track mini-grip seal for watertightness. You get 28 oz PVC-coated Dacron material and strategically located attachment points for tie-downs. The roll down snap together top protects the seal. All bags are 12" x 18" x 40" and have approximately 5 cubic feet of storage.

In its basic configuration, it is a large waterproof bag with attachment points for lashing into your craft. Waterproof, and extra tough besides, it offers the best large bag value on the market today. Should you decide to add a carry strap or two, virtually any duffle strap will do. (Order #2926 below).

**System-5 Bag** This tough, elegant version of the system bag features an XR-5 welded double bottom and three HD D-rings for attaching backpack straps. If you want an extra-large bag that is easy to portage, this system's for you! If your sister-in-law is an amateur geologist who insists on packing her bag with rocks, then brighten her birthday with this double reinforced System 5 model. If your trips require long portages, order the padded straps and hip pad. (Assorted Colors).

- |                                |         |
|--------------------------------|---------|
| 2925 System 5 Bag              | \$47.50 |
| 2926 Shoulder Sling            | \$4.95  |
| 2927 Padded Straps and Hip Pad | \$17.95 |

**Basic Bag** Made of durable 28 oz PVC/Dacron, the Basic Bag is great for sleeping bags, tents, and similar oversized gear. It'll carry gear for two people or one real sloppy packer. It's been my favorite since last summer's river trips.

In addition to the watertight mini-grip closure and quick-release buckle it has two bottom grommets and a center D-ring for tie-down. Run a 3' HD strap through the bottom grommets and you've got handles at both ends! (Assorted Colors).

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|----------------|---------|
| 2920 Basic Bag | \$38.50 |
|----------------|---------|

Basic Bag



Address correction and forwarding requested

**Dri-Stow Bags** Recovering from our 1985 Dri-Stow printing fiasco taught us that many of you are looking for economy as well as quality in a waterproof bag. Well here it is, a year late, but worth the wait because the Dri-Stow not only has some modest improvements but is priced lower than last year's model.

Easy to use, the Dri-Stow is made of 210 denier nylon coated with industrial strength vinyl. Available in three sizes: S (10" x 8"), M (30" x 16"), and L (40" x 24"). (Yellow).

- |        |         |
|--------|---------|
| 2955 S | \$7.95  |
| 2956 M | \$9.95  |
| 2957 L | \$12.95 |



Dri-Stow Bag

**Improved Kitchen Bag** We call it our Kitchen Bag, and that's because it is perfect for all your hard-to-manage kitchen equipment. The hard, odd-shaped things that find their way into the kitchen supplies not only make it difficult to get a good seal with a conventional roll-down closure, but they may also puncture the bottom. The Kitchen Bag is our answer. It's a super tough watertight bag you need for any heavy or awkward equipment. This year we made a number of improvements. The most important is the new XR-5 Armored bottom for defense against sharp objects and abrasion. The combination of the 24 oz material, protective cover and double XR-5 bottom, makes this bag practically bomb proof. And of course it still has our famous triple track minigrip seal for watertightness. Includes an overlapping 24 oz protective cover with quick release buckles, 1" web carry handles and a rectangular cut bottom. (18" x 23"). (Assorted Colors).

- |      |         |
|------|---------|
| 2921 | \$69.50 |
|------|---------|

Kitchen Bag



**Northwest River Supplies**  
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