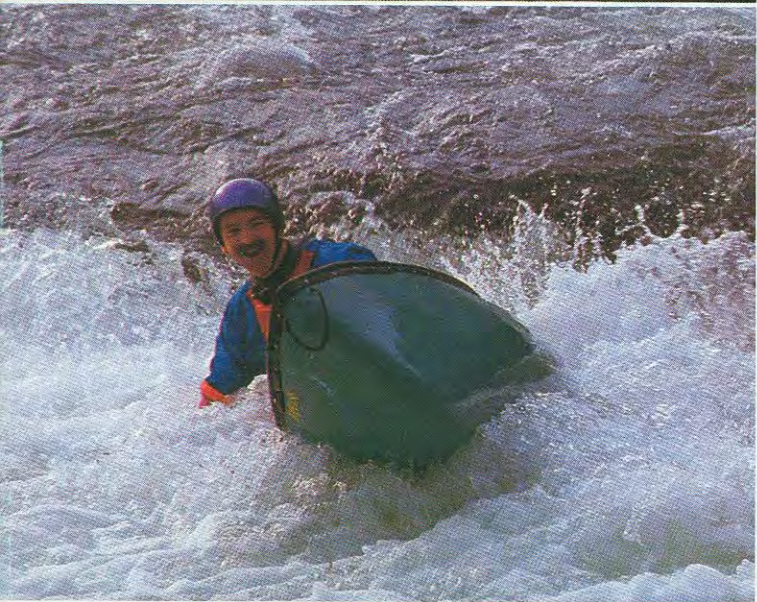
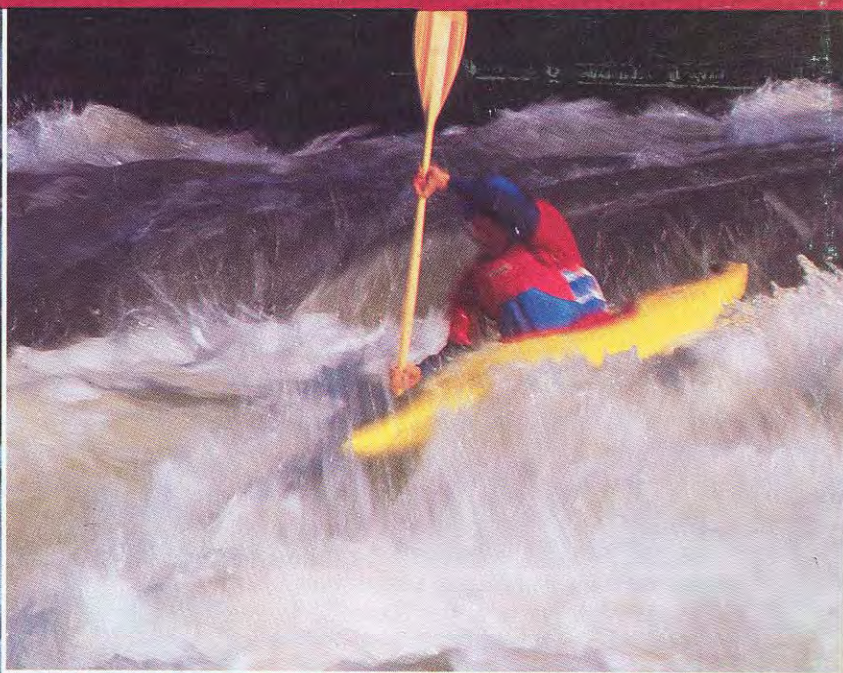


Dagger



CANOES & KAYAKS 1991

DESIGN

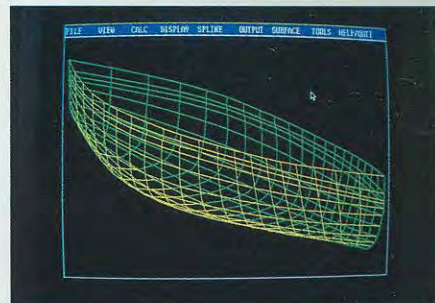
A canoe or kayak can only be as good as its design. And a design can only be as good as its designer. At Dagger that's Steve Scarborough.

In the past decade, tremendous strides have been made in canoe/kayak design. Computer-assisted design, previously limited to use with yachts and other large boats, has become a valuable tool in designing paddle craft. New shapes—once thought to be impossible—have been created, thanks to improved materials and manufacturing advances. And, as the technique of paddlers has improved, fundamental changes have been required in the shaping of their craft.

Dagger represents the leading edge in modern design. No Dagger is built on outdated design ideas. Nor is any model derived from chopping up shapes from other hulls to create a "new" boat. Each of our models is completely new, drafted by Steve Scarborough, who combines uncanny technical design wizardry with superb paddling skills that have won him numerous national championships.

"A computer is a valuable tool for helping maximize the performance that can be obtained with a hull shape. Only by following a set of carefully derived formulae can one maximize the desired qualities. Speed and maneuverability, for example, are traits that most paddlers think are mutually exclusive. But that doesn't have to be! A boat doesn't have to be slow just because it is maneuverable. To get both qualities, the designer must understand how all these traits interrelate. It's really just a matter of understanding some basic laws of hydraulics and design. But maximum performance cannot be obtained by simply modifying existing designs."

—Steve Scarborough



"It's slow and expensive, but the woodstrip prototype method is still the only way to get a balanced design. An idea becomes a set of numbers, then a set of computer-derived shapes. I convert these to hull lines on paper, then to wooden forms covered with cedar strips. The woodstrip prototype is paddled, and only when the performance is just right is it put into production."

—Steve Scarborough

TINA HARRISON

The heart of any boat is its hull, and we're committed to using only the finest, most durable hull materials available. All Dagger canoes are made from Royalex, a multi-layer synthetic that is quite simply the strongest material currently available for the manufacture of canoes. Our Royalex is custom designed and manufactured to extremely stringent specifications, with extra reinforcement added to critical wear areas. Our kayak hulls are made from the finest polyethylene — a custom blend with strength unmatched by other kayaks. It's no wonder that our canoe and kayak hulls are the new industry standard!

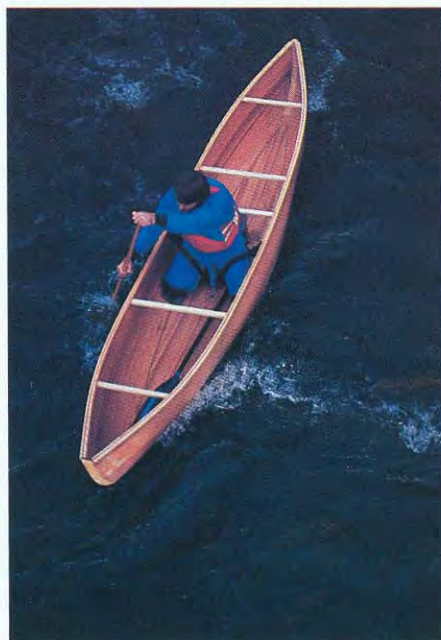
Each Dagger is hand-built by skilled craftsmen. All component parts are carefully selected for function and fit. For example, wood-trimmed Dagger canoes feature gunwales of straight-grained northern white ash with matched inlaid black walnut deckplates, thoroughly treated with at least three coats of Deks Olje, a Scandinavian penetrating oil. Note the graphics on our kayaks, actually molded into the hull. A more difficult process, but worth it for beauty and durability unattainable with stick-on decals.

WE ARE SO CONFIDENT IN THE QUALITY OF OUR CANOES AND KAYAKS THAT ALL DAGGERS ARE COVERED BY OUR UNIQUE TWO-YEAR, NON-PRORATED, WARRANTY!

You see, the staff at Dagger have many decades of experience in the manufacture of canoes and kayaks. In fact, before bringing you Dagger, we were the force behind some of the other top names in the industry. We know what we're doing, and we're so confident that our product is superior that we're offering the best warranty in the business. Paddle our boats. Compare. We're confident that you'll be impressed.



J. B. GOOCH



"One theme is constant in our designs... putting as much performance capability into the boat as its intended purpose allows. For a boat to be truly enjoyable, it must not only perform well, but must be stable and forgiving. The modified shallow-arch hull cross section used in all Dagger canoes and kayaks is unmatched in primary and secondary stability, plus it achieves maximum performance. Other hull shapes are simply outdated for most applications."

—Steve Scarborough

"Many Daggars look a little unusual. Canoes with straight gunwale lines, lots of flare in the ends, and tumblehome midsections. Kayaks that carry their width well towards the ends. These features each have a function. Some even make the boat safer. And they encourage efficient paddling technique... not make it impossible"

—Steve Scarborough

REFLECTION



ROBERT HARRISON

The Reflection is a mid-sized family and sport canoe for tandem or solo cruising. Novice paddlers appreciate the Reflection's stability and tracking. Advanced canoeists like its ability to carve quick turns. The Reflection is designed not for top speed, but to maintain cruising speed with minimal effort. The Reflection is made from a specially formulated Royalex sheet that keeps weight low.

Cane seats are standard.

Center cane seat optional.

"The classic look of the Reflection belies the efficient, asymmetrical lines under the water. We've designed in stability and tracking, without destroying its turning ability. And for times when you want to be a solo adventurer, even in some easy whitewater, we've given the Reflection tumblehome amidship for easy paddling."

—Steve Scarborough

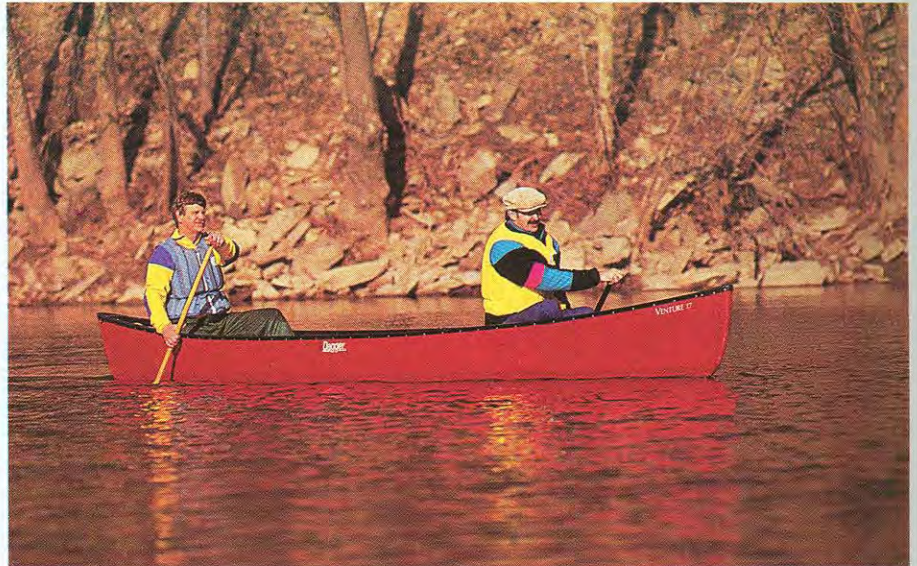
SPECIFICATIONS

Length.....	15'4"
Maximum beam.....	34"
Beam @ 4" w/l.....	33"
Beam at gunwales.....	32"
Depth midsection.....	13.5"
Depth ends.....	16.5"
Rocker.....	1"
Approx. weight.....	56-60 lbs.
Shape/ends.....	slight flare
Shape/midsection.....	tumblehome
Hull symmetry.....	asymmetrical
6" freeboard capacity.....	800 lbs.**

**The 6" freeboard capacity is presented for volume comparison only. Actual safe load capacity depends upon numerous factors including hull shape, water conditions, and paddler skills.

VENTURE 17

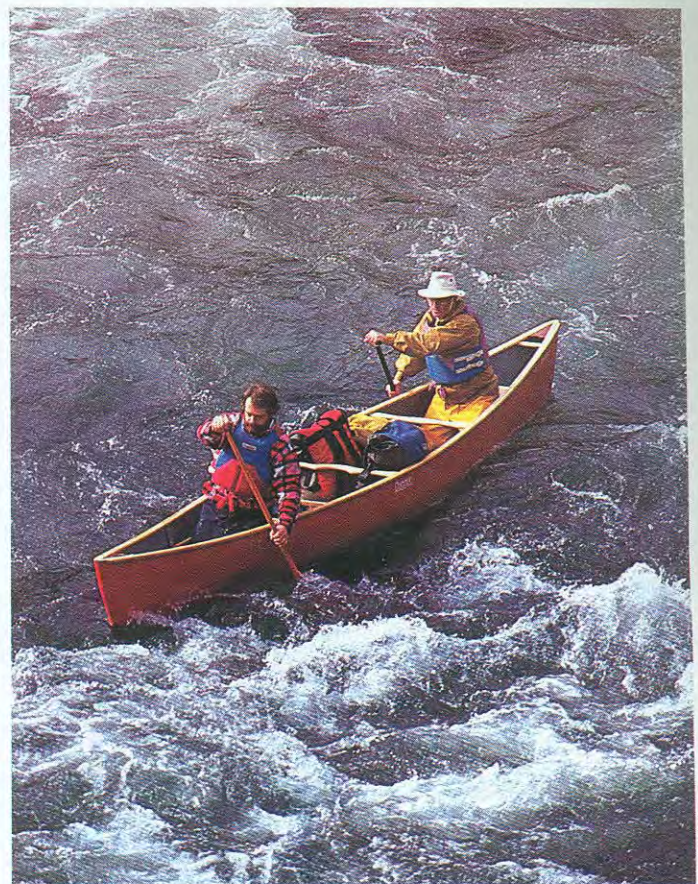
The Venture 17 advances the evolution of the expedition canoe into the modern age! The Venture covers a lot of ground when you consider that its capabilities include everything from family recreation to weekend touring to extended expeditions. This is a fine paddling, easy tracking, stable canoe, loaded or empty. Venture's tight turning radius allows for precision control in whitewater or other situations requiring pinpoint placement. The Venture 17 was designed in collaboration with Cliff Jacobson, noted author and wilderness tripper.



ROBERT HARRISON

“Steve Scarborough has done his homework well: the Venture exceeds my wildest expectations. The craft performs brilliantly on all types of water—you can even stand in it while surfing big waves! You’ll arrive at your destination refreshed—and Dagger durability means you’ll get there in one piece! Here’s a canoe I can unequivocally recommend for use under the most demanding backcountry conditions. But unlike other Royalex canoes, the Venture is also fast and fun to paddle. It is by far the best all around (and the lightest weight) Royalex tripping canoe I’ve used. If I could own just one tandem canoe for tripping or pleasure, it would be a Venture.”

—Cliff Jacobson
Author, *Canoeing Wild Rivers*



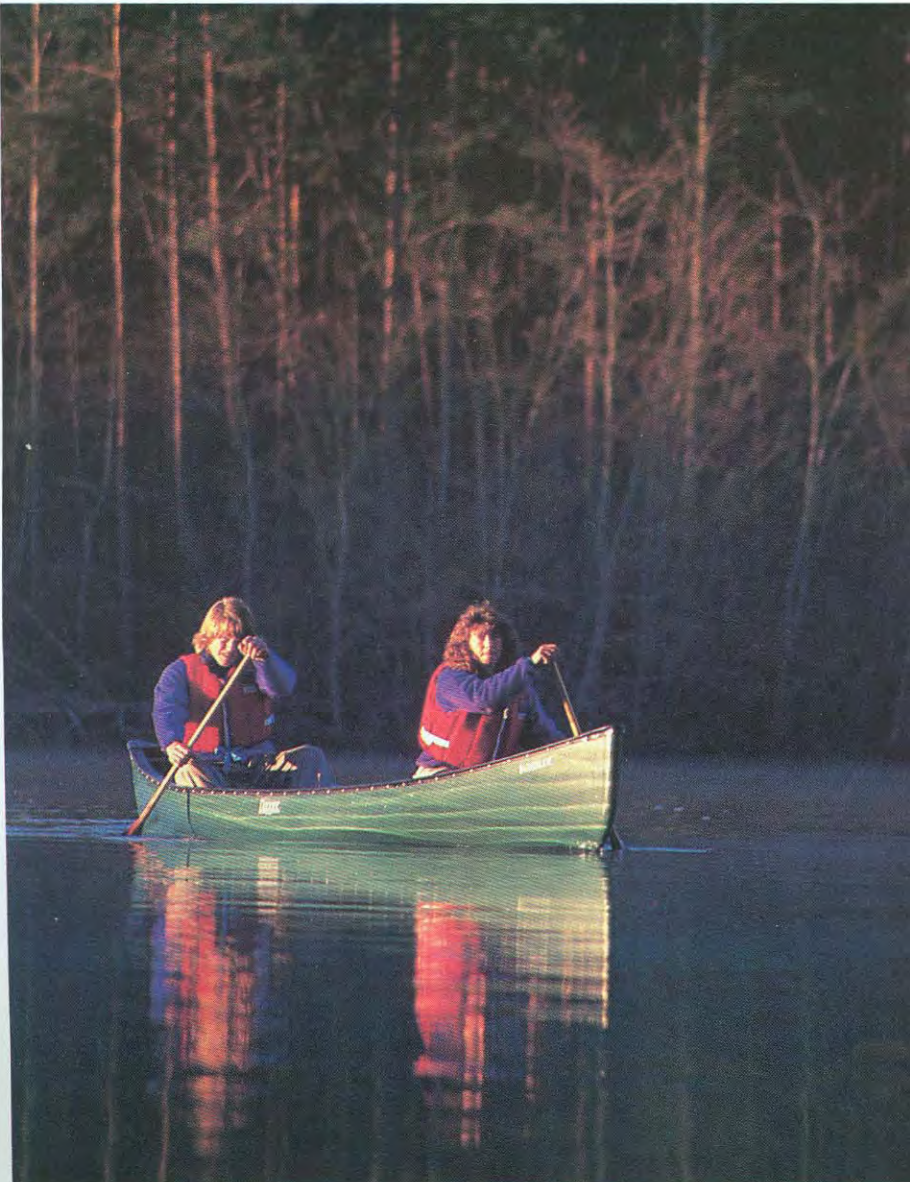
ROBERT HARRISON

SPECIFICATIONS

Length.....	17'
Maximum beam.....	36"
Beam @ 4" w/l.....	33"
Depth midsection.....	15"
Rocker.....	1.5"
Approx. weight.....	67-80 lbs.
Shape/ends.....	rounded flare
Shape/midsection.....	tumblehome
Hull symmetry.....	assymmetrical
6" freeboard capacity.....	1300 lbs.**

***The 6" freeboard capacity is presented for volume comparison only. Actual safe load capacity depends upon numerous factors including hull shape, water conditions, and paddler skills.*

INTERLUDE



BILL BURGER

The world's first high-performance Royalex cruiser! The Interlude breaks new ground as an efficient paddling, quick turning Royalex canoe. Light, stiff, and really fast, the Interlude features such design characteristics as asymmetry, an elliptical entry, and a compound rocker curve. Not the boat for everyone, the Interlude is for those who would normally be considering an expensive composite canoe, but prefer a more durable, quicker turning boat.

"Dagger's Interlude defines what's new in Royalex design."

—SERIOUS OUTDOOR GEAR

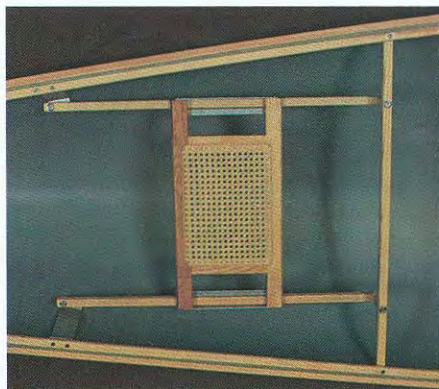
At the 1989 National Whitewater Open Canoe Championships, held on 14 miles of class II-III whitewater on Maine's Dead River, a Dagger Interlude was the fastest of 57 Royalex canoes in the competition! Second fastest—a Dagger Legend!

SPECIFICATIONS

Length.....	16'6"
Maximum beam.....	34.5"
Beam @ 4" w/l.....	32"
Beam at gunwales.....	34.5"
Depth midsection.....	14"
Depth ends.....	17"/16"
Rocker.....	2.5"/1.5"
Approx. weight.....	62-68 lbs.
Shape/ends.....	slight flare
Shape/midsection.....	straight
Hull symmetry.....	asymmetrical
6" freeboard capacity.....	850 lbs**

* bow/stern

**The 6" freeboard capacity is presented for volume comparison only. Actual safe load capacity depends upon numerous factors including hull shape, water conditions, and paddler skills.



Cane seats are standard.
Bow slider is optional.

DAGGER...

MOST OF US WILL NEVER USE OUR CRAFT IN THE MOST EXTREME CO

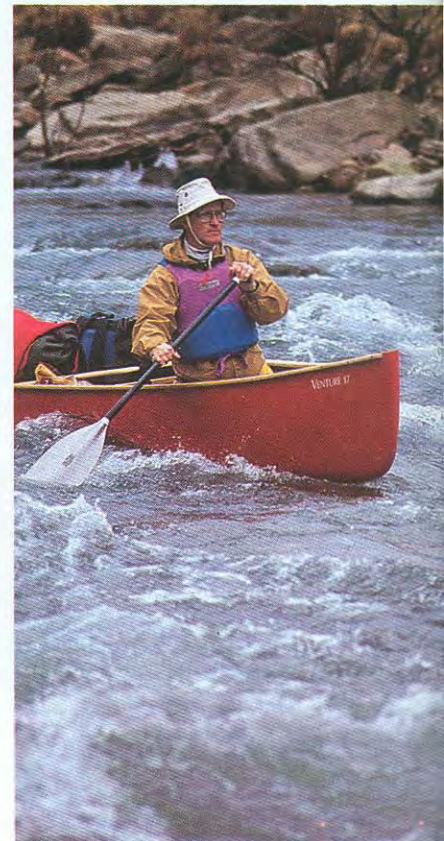
BILL COURSEY

"As a participant in the Can-Am-Soviet Expedition, which successfully descended the Kaa-Khem River in the Autonomous Republic of Tuva in the Soviet Union aboard Dagger Legends this July, I want to say that to the man we have nothing but the highest praises for your product. As far as we know, these were the first boats to complete a canoeing expedition in the Soviet Union. The expedition spent three weeks on the water and encountered both lengthy stretches of flatwater and Class II-IV+ high-volume rapids in extended canyon stretches. As much as the project sought to canoe the Kaa-Khem River, it also sought more importantly to visit with the Tuvinians. During the summer months, nomadic herdsman roam the steppe and taiga forests of the mountains (elevations to 12,500 feet), living in yurts and primitive log homes. We met with Shamanka, who fought off evil spirits for us. We listened to throat singing, an indigenous music form found nowhere else in the world. Just as we were intrigued with the Russian's catarafts, they were intrigued by our high-tech plastic canoes. A great sense of comraderie emerged."



CLIFF JACOBSON

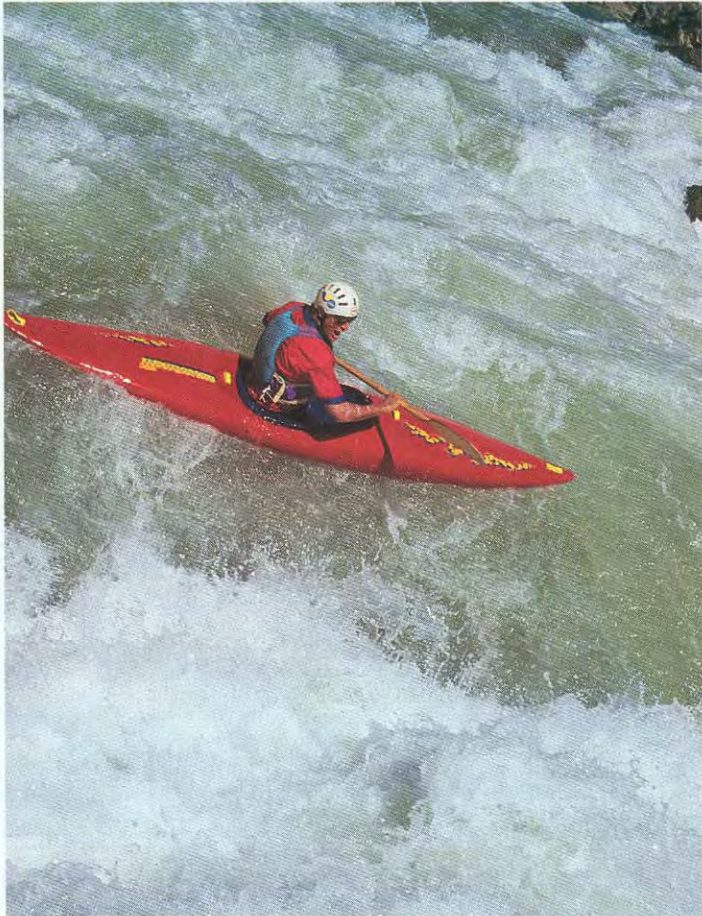
"If there's one word that describes wilderness tripping, it's diversity. Small lakes, big lakes, beaver streams, mucky ponds, thrashing rapids, and grueling portages, are all part of the wilderness day. What begins at sunrise as a lazy paddle on placid water, may by noon evolve into a survival contest when the wind comes up. Now, flat water cruising speed takes a back seat to predictability and uncompromising seaworthiness in churning waves. Later as you descend through the jaws of a heart-throbbing rapid, you'll praise the manufacturer for providing you with a canoe that turns. And when impassable obstacles loom ahead, there's a smug satisfaction in knowing your canoe is light enough to portage long distances."



ROBERT HARRISON

ON THE EDGE

ITIONS. FOLLOWING ARE EXCERPTS FROM A FEW WHO DO.



JUAN PABLO IZQUIEVDO

CHRIS SPELIUS

"Chile is a fantasy land of dominating mountains, smoking volcanoes, and waterfalls cascading over canyon walls, plunging directly into rivers. It's like being a child again... sensory receptor overload. The rivers will not only provide you the highest level of challenge... they will touch you spiritually. Imagine paddling blue champagne that is pulsating with brightness and vitality! You're literally riding a ribbon of energy."



CATHY WEST

BOB FOOTE

"I've canoed the Grand Canyon 9-10 times now and can't wait to go again. There is nothing like sliding into a canoe and becoming one with it, one with the water, one with the forces of nature, and one with the wonders of the universe. During the flat stretches, I can relax and enjoy the breathtaking scenery that awaits around every corner. And, of course, around some corners are big rapids. It is quite a thrill to be in a 12-foot canoe and be climbing the face of a 15-foot wave with 20 to 30 thousand cfs of water crashing around you, and yet to be in control and at peace."

IMPULSE



ROBERT HARRISON

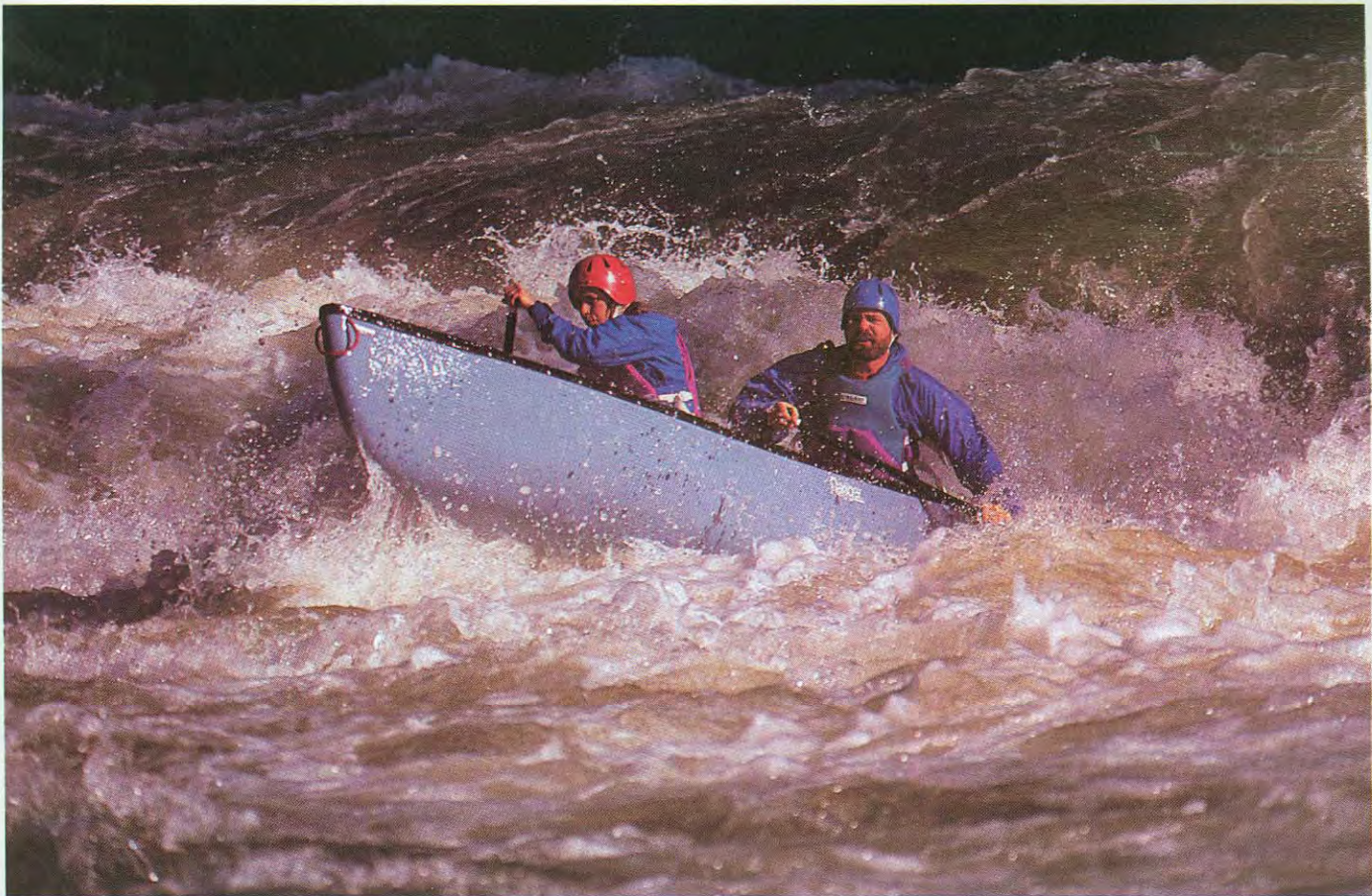
Our newest solo boat is a surfing specialist! High volume, fully flared ends and a deep midsection make the Impulse extremely dry in waves, holes, and at the bottom of drops. Its short length and rocker make for quick turns. A user-friendly midship cross-section makes for solid primary and secondary stability. Unlike other boats in its class, the Impulse has the hull speed you need to make strong upstream ferries and to blast out on the big surfing waves. And with a gunwale width of only 29½ inches, paddlers of almost any size can use textbook-perfect technique.

"[The Impulse is] extremely user friendly, very maneuverable, easy to roll, stable when full of water, and very dry when going through waves. For a 13-foot canoe, the hull speed is quite good. I wouldn't hesitate to take the Impulse down the Grand Canyon again, or any other river for that matter."

—RIVER RUNNER

SPECIFICATIONS

Length.....	12'8"
Maximum beam.....	30"
Beam @ 4" w/l.....	28.5"
Depth midsection.....	15.5"
Rocker.....	4"
Approx. weight.....	50-55 lbs.
6" freeboard capacity.....	650 lbs.**



BILL BURGER

CAPER T

The standard of comparison in full-sized white-water solo canoes, the Caper is a true high performance craft with exceptional maneuverability, lightning quick acceleration, and a super dry ride. Easy to roll and great for surfing waves and holes, the Caper makes a great big-water playboat. Unlike wider solo boats, an unusually straight gunwale line amidship allows for proper and efficient paddle strokes. Excellent primary and secondary stability with good tracking make the Caper an easy boat to paddle, regardless of skill level.

Center mounted kneeling thwart is standard.

Add two kneeling thwarts to a standard Caper and voila — the Caper T.

The Caper T is an ideal tandem boat for advanced (or smaller) paddlers. Paddling positions are mounted close together for maximum maneuverability and dryness. And there's no loss of it's solo ability!

"This boat offers incredible security. With big water its specialty, the Caper also ranked high in the spin, side-slip, and eddy-nailing categories. You can surf this boat to your heart's content, or until shame forces you to share the wave."
—RIVER RUNNER

SPECIFICATIONS

Length.....	14'4"
Maximum beam.....	31.5"
Beam @ 4" w/l.....	29"
Beam at gunwales.....	31.5"
Depth midsection.....	15.5"
Depth ends.....	17.5"
Rocker.....	5"
Approx. weight.....	57-63 lbs.
Shape/ends.....	rounded flare
Shape/midsection.....	straight
Hull symmetry.....	symmetrical
6" freeboard capacity.....	.800 lbs.**

**The 6" freeboard capacity is presented for volume comparison only. Actual safe load capacity depends upon numerous factors including hull shape, water conditions, and paddler skills.

ENCORE

Small and quick, the Encore is a high performance solo playboat for advanced paddlers. Combining true slalom turning ability with explosive upstream acceleration, this is absolutely the hottest Royalex solo canoe available. Great for tight, technical runs and for big, crashing whitewater. Exceptional secondary stability allows the paddler to concentrate on the next hot move. The center depth and deep flared ends give the Encore an uncommonly dry ride and volume enough for larger paddlers. Yet the Encore is narrow at the gunwales, allowing even smaller paddlers to take effective strokes, onside or offside. Center mounted kneeling thwart is standard.

"As I got to the expert section of the river, the Encore justified my trust by allowing me to hold tight, exposed lines and grab tiny eddies, keeping clear of the 'big stuff.' By the end of the day, I was convinced that this was the most exciting and responsive hull I had ever paddled."

—CANOE

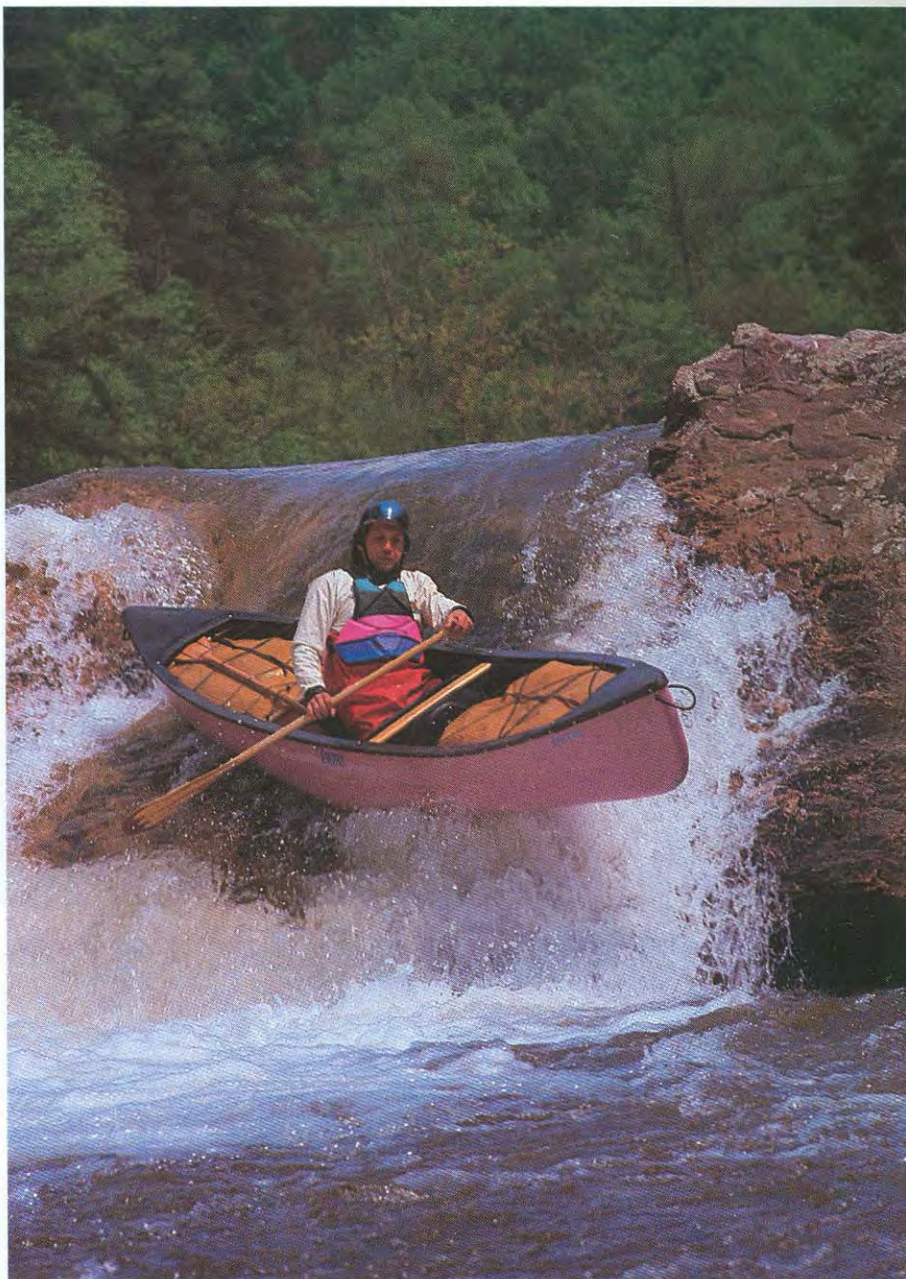
"[The Encore] will reward any paddler from the intermediate to expert with its exceptional play-boat performance."

—RIVER RUNNER

SPECIFICATIONS

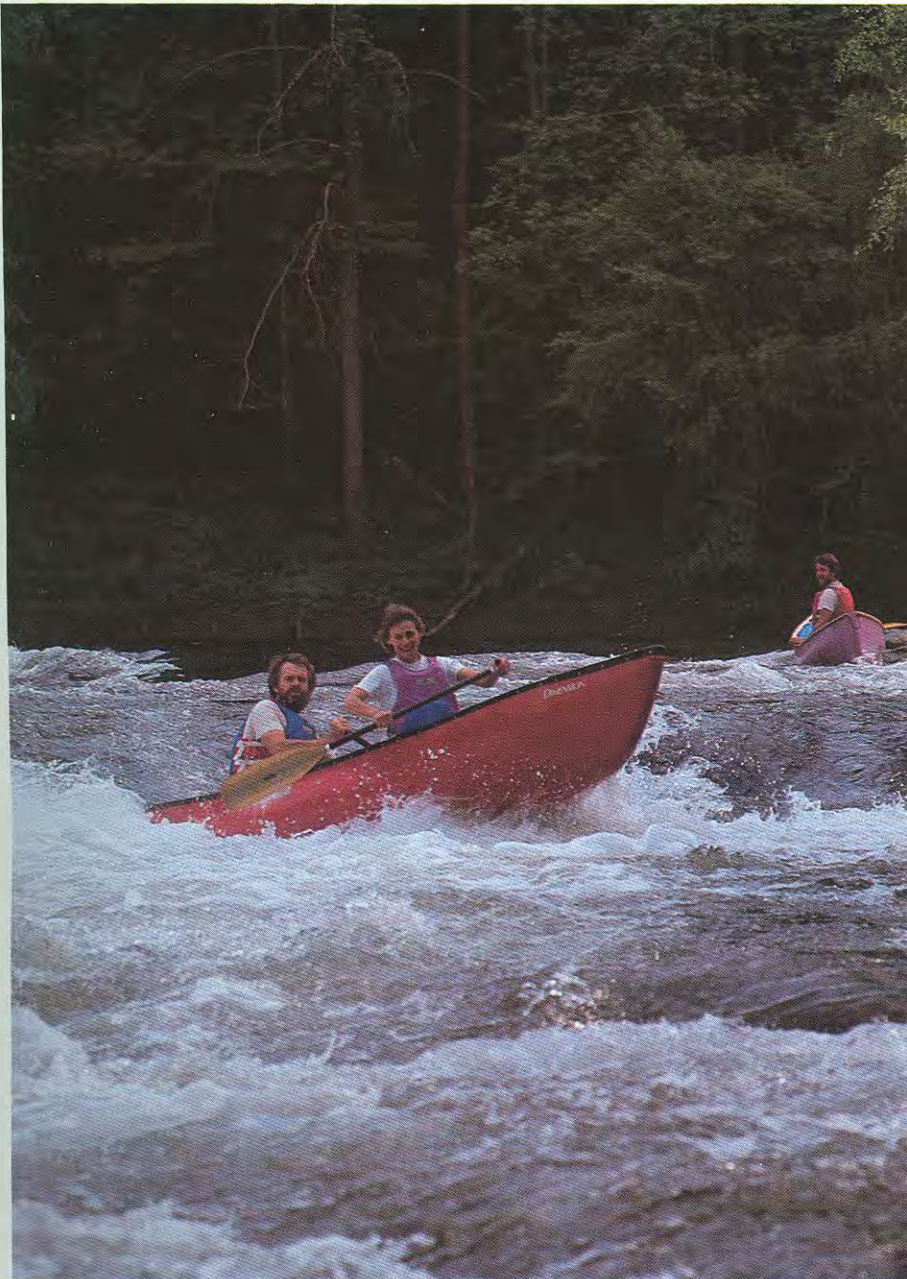
Length.....	13'2"
Maximum beam.....	30"
Beam @ 4" w/l.....	27.5"
Beam at gunwales.....	28.5"
Depth midsection.....	15"
Depth ends.....	17"
Rocker.....	5"
Approx. weight.....	50-56 lbs.
Shape/ends.....	rounded flare
Shape/midsection.....	tumblehome
Hull symmetry.....	asymmetrical
6" freeboard capacity.....	550 lbs.**

****The 6" freeboard capacity is presented for volume comparison only. Actual safe load capacity depends upon numerous factors including hull shape, water conditions, and paddler skills.**



ROBERT HARRISON

DIMENSION



ROBERT HARRISON

Unlike other Royalex canoes that masquerade as whitewater craft, the Dimension was designed from the hull up for even the most difficult whitewater. The Dimension will spin into eddies where other tandem boats fear to venture. Deep flared ends all but guarantee dry running in large waves, over drops, and through holes. Full, rounded bilges give the Dimension excellent primary and secondary stability. Paddling positions mounted close to center accentuate dryness, stability, and maneuverability. Midsection tumblehome with a straight gunwale line encourages proper strokes and keeps the Dimension narrow enough for solo paddling.

Tandem kneeling thwarts are standard.

Cane seats are a no-charge option.

"With tumblehome and straight gunnels between the paddlers, this tandem canoe looks like no other. Its narrowness has not adversely impacted dry running or stability, and it received unanimous high marks in acceleration—it jumps into surfing waves and stays there."

—RIVER RUNNER

SPECIFICATIONS

Length.....	16'
Maximum beam.....	34"
Beam @ 4" w/l.....	32.5"
Beam at gunwales.....	33"
Depth midsection.....	15"
Depth ends.....	17.5"
Rocker.....	5.5"
Approx. weight.....	67-75 lbs.
Shape/ends.....	rounded flare
Shape/midsection.....	tumblehome
Hull symmetry.....	symmetrical
6" freeboard capacity.....	850 lbs.**

****The 6" freeboard capacity is presented for volume comparison only. Actual safe load capacity depends upon numerous factors including hull shape, water conditions, and paddler skills.**



JUAN PABLO IZQUIEVDO

Our first kayak burst onto the scene in 1990 and met with success and critical acclaim.

Consider the Response's rodeo record:

- Ocoee 1st & 2nd men,
1st women
- New River 1st & 2nd overall
- Big Fork Top finishing playboat
- Dust Bowl 1st and 2nd overall
- Japanese Freestyle 1st & 2nd overall
Championships
- Bitches Rodeo 2nd and 3rd overall
(Wales)

From the start, we intended for the Response to be more than just a rodeo winner. With a hull-speed unmatched in whitewater playboats, the Response is a crisp turning, swift paddling river runner. A boat with a high level of performance for advanced paddlers, yet controllable and forgiving for novices. The Response features a peaked bow deck for shedding water, booming enders, and extra room. A modified Kamm-effect stern increases hull speed.

TESTIMONIAL

"This is an excellent all-around boat. I would take it anywhere... a true success in the difficult art of design compromise: It does everything well."

—CANOE

TESTIMONIAL

"All in all, the Response cockpit sets the new standard for manufacturers."

—CANOE

TESTIMONIAL

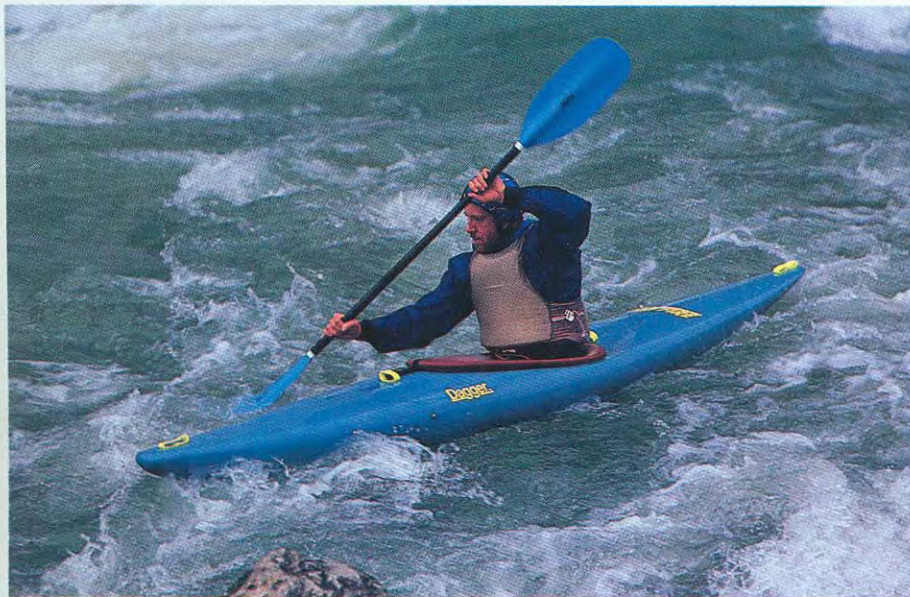
"What surprises you is not that the Response isn't perfect (no boat is), but that Dagger got so close on the first try."

—RIVER RUNNER

SPECIFICATIONS

- Length..... 11'3"
- Width 23.25"
- Weight 38 lbs.
- Volume 73 gallons
- Cockpit: Length 30"
- Width 19"
- Recommended paddler
weight range..... 130-215 lbs.

CROSSFIRE



ROBERT HARRISON

Our newest kayak brings you many of the advanced design features of the Response in a lower profile boat. A slightly shorter length and increased bow rocker make for exceptionally quick turning and wave and hole surfing capabilities. Unusually well-defined edges in the Crossfire's stern allow advanced paddlers to shred turns, particularly on the face of steep waves. Lesser skilled paddlers will appreciate Crossfire's forgiving nature, especially in turbulent whitewater. Like the Response, the Crossfire was designed in collaboration with former Olympic kayaker Chris Spelius.



ROBERT HARRISON

"What I like most about this boat is its ability to respond to both finesse and aggressiveness in playing holes. The sharper stern rails combined with the upturned bow allow the Crossfire to dynamically surf and shred waves. Plus, it has retained the characteristic Dagger speed, crispness, and stability crucial for general river running."

—Chris Spelius

SPECIFICATIONS

Length.....	11'
Width	23.75"
Weight	37 lbs.
Volume	66 gallons
Cockpit: Length	32"
Width	18"
Recommended paddler weight range.....	90-190 lbs.

Dagger



COVER PHOTOS BY BILL BURGER AND ROBERT HARRISON

Dagger™

P.O. Box 1500
Harriman, TN 37748
615/882-0404

This catalog is printed, unfortunately, on virgin paper. After literally dozens of phone calls and weeks of frustration, we abandoned our plans to use recycled paper. We are making a donation in the amount of the difference we'd have paid for recycled paper to The Dead Pigeon River Council, a Tennessee group working to reincarnate a wonderful whitewater river, polluted with dioxin and heavy sludge by Champion International's outdated, chlorine-based paper mill.

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Dagger reserves the right to change specifications without notice.