MINNESOTA CANOE ASSOCIATION, INC. HUT!

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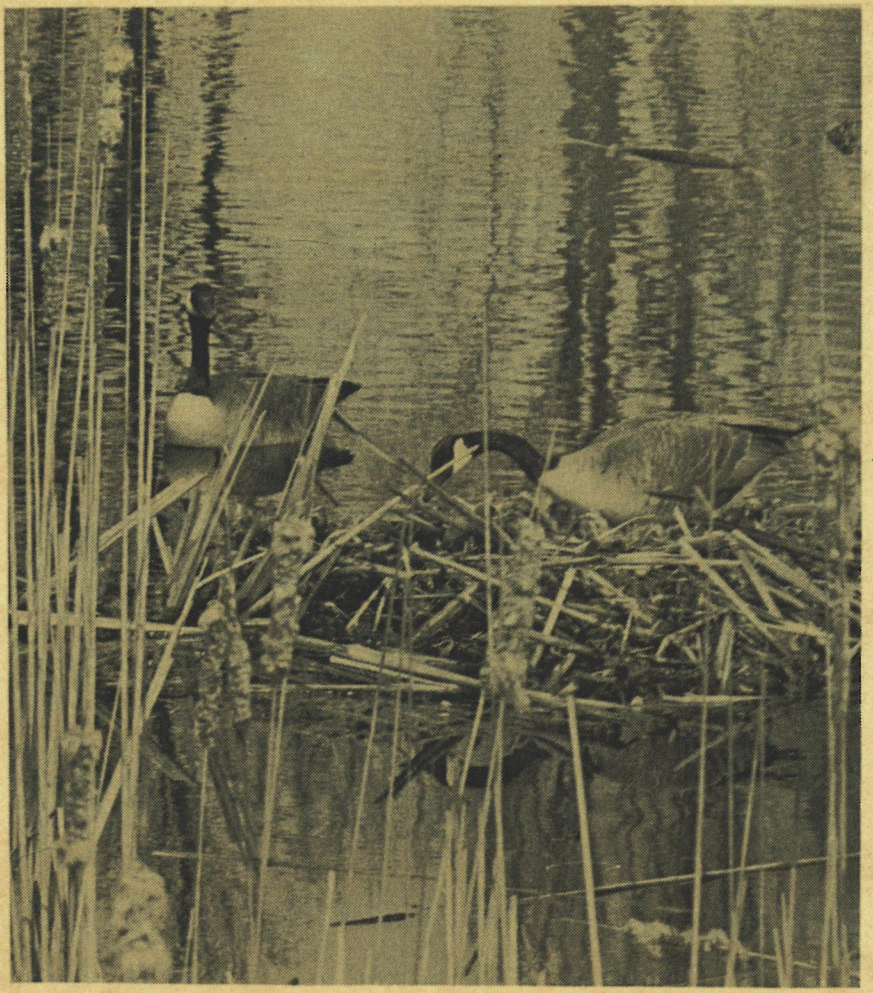


Photo by Jeff Grigsby

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HUT! is the signal on which paddlers change sides. It was first used by Tom Estes and Eugene Jensen in the 1940's as they won four Aquatennial canoe races. It was adopted as the title of the MCA magazine because it symbolizes the teamwork and coordination necessary for effective canoeing.

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HUT! STAFF

James Robinson/Editor
Verna Robinson/Assistant Editor and Advertising
Betty Ketter/Mailing
Alexandra Robinson/Word Processing
Anastasia Robinson/Go-fer

DEADLINE FOR EACH ISSUE: Articles are to be received no later than the 10th of the month preceding publication. Advertising and calendar items are to be received no later than the 15th of the month preceding publication.
Send submissions to:
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HUT! Editor
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Crystal, MN 55422

KETTER CANOEING
[612]561-2208

101 - 79th Avenue North
Minneapolis, Minnesota 55444

Before we sold any canoes, we paddled them. Before you buy a canoe, rent and try the canoe.

Canoes:	WE-NO-NAH, SAWYER, PETERSON, JENSEN RACERS Training, touring, solo, tandem.
Paddles:	Cadorette, Peterson, Waddel, Grey Owl, Maxcraft Straight, Bents, wood, lightweights, laminated.
Equipment:	Yokes, car top carriers, footbraces, sliding seats, Custom canoe covers.
Accessories:	Paddle covers, grey tape, Gel-Gloss cleaner, t-shirts, Seda life jackets.
Materials:	Resin and fiberglass for Minnesota Canoe members, thwarts, gunwales, foams, wood strips for canoe building.
Source:	MCA Resin Depot, gathering place for Minnesota's canoe racers. Lessons and coaching in canoeing, racing and building. Free catalogues and magazines.

FROM THE BOW

W-o-o-o-sh, the events and activities of the MCA are coming at me faster than the rushing water of a long Class III-IV rapid. As the season develops, there are more and more opportunities for all MCA members to become involved either as a participant or a committee person.

Other than the great list of cruises, we have a few more events that you will hopefully attend.

The Governor's Cruise is coming up on June 18th. This is a great opportunity to get out and paddle for the day with your family and rub shoulders with your legislators and some of the shakers and movers in natural resource management. If you have unending praise or a concern about how our paddling resources are being managed, this is a great time to speak face to face with the people who matter. Our Voyager canoe will also be on the water for anyone wishing to travel back to the time of northwoods canoe legend and lore.

About a week or two after the Great Canoe Event, Mike Galt gave me a call and offered to drive up from Tampa, Florida, to give a clinic on freestyle/sport paddling. My first reaction was, "Yeh, great, but I don't think we can afford to pay you a reasonable fee to do it." Mike then replied that he had no intention of getting paid and I said, "When can we expect you!" So after a few more phone calls we were set for June 25th and 26th. You can count on Mike's style of paddling and preaching the gospel to be controversial, entertaining and enlightening.

As I mentioned last month, our steering committee came up with a number of suggestions and goals for the future of the MCA. We have also started a system where we will continue to monitor and reevaluate our progress. Since our final outline ended up being two pages long, I will continue to discuss one or two of the items in this column for the next few months.

Our first major heading reads, Increase/Maintain Membership. Overall, we hope to accomplish this by improving membership benefits and by creating a higher profile for the MCA through expanded publicity. Based primarily on last year's membership survey, we have identified the following three areas that our members are most interested in.

1) The **HUT!**, whose possible evolution was partially discussed last month.

2) More activities. These might include an improvement in local events (statewide) and trips, and developing a national event or competition in Minnesota.

3) Expanded training. Continue to develop more programs in whitewater and quietwater, safety and rescue clinics, and cruise leader training.

Another topic that goes hand in hand with the above goals is the consideration of how our board of directors is structured. With the volunteer coordinator position discussed last month and concerns by members that special interest areas have better board representation, we will be taking a look at the possibility of establishing or adjusting board positions to reflect these concerns and goals. A committee will be formed at the June board meeting to prepare a proposal that will be presented to the board within the next couple of months. Upon board acceptance, this proposal will then be presented to the general membership and voted on at the Annual Meeting in October.

Here's some great news! Before the ink was dry on last month's **HUT!**, I received a phone call from someone who wanted to become involved with the **HUT!** staff. Since that time I have received a few more phone calls from other folks with high degrees of expertise in

various areas of newsletter production. Looks to me like this concept might just work, but we do need more people to come forward. I also know that our Volunteer Coordinator is out there. Remember that this person needs only to chair a committee that would be very easy to assemble with our identified volunteer resources.

Now that I've dropped all of these ideas on you we'll eddy out in that always welcome pool at the end of a powerful rapids. Come join those who know the satisfaction of becoming involved by first tackling an easy (Class I) job before committing to a more involved (Class IV) task.--**Burt Levy, President**

EDUCATION AND SAFETY

Book Review: FRESHWATER SAGA: MEMOIRS OF A LIFETIME OF WILDERNESS CANOEING IN CANADA, Eric W. Morse, University of Toronto Press, 1987. Available in the United States from Northword Press, Box 128, Ashland, WI 54806, $9.95.

I first became acquainted with the name Eric Morse when I discovered his concise, informative first book, FUR TRADE ROUTES OF CANADA/THEN AND NOW, many years ago. He was commonly referred to as the Dean of Canadian canoeists. Eric died on April 18, 1986, before FRESHWATER SAGA was completed. His wife, Pam, a constant companion on his later expedition, brought this book to fruition. And what a masterpiece has been left behind. It's one of the most enjoyable and well-written "Arctic adventure" books that I've read. Eric was traipsing across the Barrenlands before it was fashionable, putting together some routes that are now considered "classic." He also writes of travelling the Canadian north shore of Superior in an uncovered 17' Grumman, not a sea kayak. He did most of the Voyageur's Highway, much of Lake Winnipeg, and part of Great Slave. One of his early brigade companions was his American counterpart, Sigurd F. Olson. Sigurd's book, THE LONELY LAND, describes a 1955 journey on the Churchill-Saskatchewan system that the men took. Anyway, for those of you planning or dreaming of an Arctic canoe trip, FRESHWATER SAGA has the ingredients to really stimulate your imagination.

A Canadian publication that wilderness paddlers should be aware of is NASTAWGAN, published by the Wilderness Canoe Association. Membership in the WCA is $25.00 per year and Nastawgan comes out quarterly. It's a very thorough newsletter, with emphasis on eastern Ontario, Quebec and Labrador. Address is Box 496, Postal Station K, Toronto, Ontario, Canada M4P 2G9.

In response to the popularity of our MCA/Wilderness Inquiry "Canoeing the Far North" slide series held in Stillwater over the past several years, we would like to consider sponsoring a more extensive "Far North Symposium," held over a two-day period, sometime in the Fall of 1988. We would need a lot of support from MCA members, so watch this column to see if the idea becomes a reality.

ROSTER FOR EFFICIENT PADDLING/IMMERSION & RESCUE May 3, 10, and 17, 1988

Mary Jane Akin, Bob Barratt, Herbert M. Florczyk, Cary Brostad, Paolo Gramaccioni, Sue Harings, Paul Harris, Ken Harris, Ken Johnson, Kitty Kelly, Mary Lindquist, Kerry McIndoo, Fred Norton, Marvel Norton, Clifford Peterson, Nathan Peterson, Art Pline, Dan Rash, Richard Rockwell, Dave Silvernale, Marsha Teal, Cindy Terry, Barbara Wieser, Rob Schmidt, Mickey McBride.

Instructors; Bill Simpson, Bob Barratt, Al Gustaveson, Kathy St. Peter, Jim Schiebe, Terey Daley.

Wilder Forest Staff; Diane Gamm, Bonne Roemhildt, Sara Harrison. --**Bill Simpson**

I'D RATHER BE CANOEING

The opinions expressed in this column are those of the editor and do not necessarily reflect those of the MCA Board of Directors or any other MCA member.

There seems to be some confusion as to my motives in printing comments by members concerning possible payment to the **HUT!** editor. I would like to clarify some points: When I ran for Publications Director in 1985, 1986 and 1987 I did so as a VOLUNTEER. I intend to finish my 1988 term as a VOLUNTEER. I do NOT intend to serve as editor after the December 1988 issue regardless of any changes in policy regarding **HUT!**.

There is currently a policy that gives a Life Membership to anyone who serves as MCA President for at least one term. Some members have suggested that it would be more appropriate for the MCA to award such a membership (in effect a lifetime subscription to **HUT!**) to anyone who served as editor for at least one year. Let it be noted that I am a PAID-UP Life Member.

I have been saddened by the Board's attitude towards the comments of the members who bothered to express their opinions. These members have either been ignored or the matter has been treated as a joke. Whether or not a Board member agrees with these members, at least their suggestions deserve a fair review by the Board.

It also seems strange that these members are ignored when the ideas of a person who is not even an MCA member are given consideration to the point of possibly restructuring the Board of Directors.

As a further comment on the fairness of the Board, it should be noted that at the May Board meeting, the **HUT!** editor was requested by the Board to refrain from speaking out in certain areas. **HUT!** is under the control of the Board so the editor has no choice but to follow this directive.

WE'D LIKE TO REMIND YOU THAT THE UNCENSORED CONTENT OF THIS MAGAZINE IS MADE POSSIBLE BY THE CONSTITUTION OF THE UNITED STATES.

THE CONSTITUTION
The words we live by

To learn more about the Constitution write: Constitution, Washington, D.C. 20599. The Commission on the Bicentennial of The U.S. Constitution. Ad Council

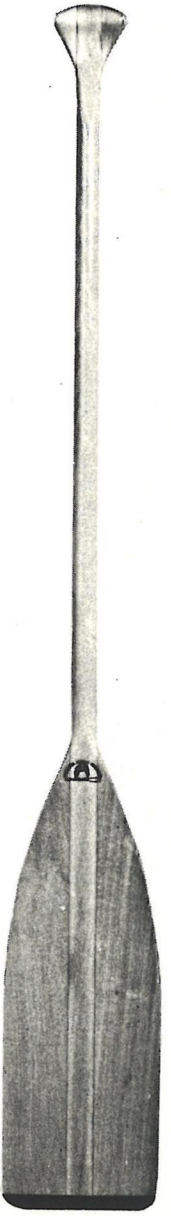
HUT! is the vehicle for disemination of the opinions of members regarding any matter affecting the MCA. This publication is for all members to use. Until the Board excercises furthur censorship, any other member can express their opinion freely. The editor will NOT interfere with anyone else's right to free speech.

--James Robinson, Publications Director and HUT! Editor

HAVE WE GOT A TIP FOR YOU!

The 'Scout' from Grey Owl offers an economical alternative to expensive high quality wooden canoe paddles. Made with the same detail and care as its more expensive rivals, this paddle boasts such features as a 7" performance designed blade, oval shaft and contoured hand fitting grip. It is balanced and light-weight with an all bass wood construction and a tip cast from urethane plastic that won't break, chip or wear from pushing off rocks or poleing on river bottoms.

Found at better canoe shops for under $20.00.



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LETTERS TO HUT!

Dear Mr. Robinson:

It was with great disappointment I read your criticism of the Far North Series in the May issue of **HUT!**. Having given one of the presentations and attended the other three, perhaps I took your criticism as a personal affront. Then again, I never noticed your presence at the four shows, so how can you criticize something you didn't attend?

However, I am guilty of not writing for **HUT!** just as you are guilty of accusing us of providing strictly entertainment. If you had attended my presentation on the Elk/Thelon rivers, you would have heard the following which may or may not have practicality on trips of shorter duration.

First of all, anyone interested in traveling to the Northwest Territories should write to TravelArctic (N.W.T. X1A 2L9, Canada) and ask for the "Explorers' Guide." This free publication lists for the prospective traveler information regarding communities, services and transportation including air charters. Furthermore, TravelArctic, as the tourism agency of the N.W.T., may have information on the area to be canoed. It may be the only secret to Arctic travel.

I talked of our choice of canoe, the 17'4" Discovery, because it was "bombproof" and inexpensive but more importantly, it posseses the high capacity needed for a trip of forty days. We modified it using wider thwarts and moving the stern and bow thwarts to increase cargo space to 72 inches. The disadvantage was a wetter ride at times in the bow. We also removed the stern seat replacing it with one made of 1x12 planking, screwed to two crossbraces, which then attached to the gunwales by stove bolts and washers with PVC pipe for spacing. E.V.A. foam was contact-cemented on, making the most comfortable seat I've used in a canoe. The molded bow seat was retained. Not mentioned was the retaining of the center thwart as a spacer over which a removable yoke went on the portages. As portages were few we carried one yoke for two canoes.

Another advantage is the Discovery can easily be dismantled and the hulls will fit one into another, thus reducing space requirements in shipping, whether it be by barge, train or Twin Otter. Upon arriving at the destination, with a pop rivet gun and half an hour, the gunwales, thwarts and seats are in place. It appears the Discovery is becoming the choice of Arctic canoeists.

Most of this information was presented during the "entertainment." Shall I go on, Mr. Robinson?

We carried two cook packs, a common procedure, one per canoe in the possibility of loss of one. These and our food packs were square #2 Duluth Packs, available from Cooke Custom Sewing or Duluth Tent & Awning, each carrying 5-6 days of food. These were stiffened with masonite which served as a windbreak or a small table. For personal packs, we carried #3 or #4 Duluth Packs. However, two of the party used one for their tent and sleeping bags and shared the other for clothing and personal gear (besides their day pack). This system expedited packing by several minutes every morning.

Our stoves were Optimus 111B's, though we met a pair who swore by the MSR X.G.K.

Our supper menu rotated on a base of rice, pasta and potatoes flavored with dried sauces, from grocery stores, and retort meats (meat and sauce packaged in foil). On occasion we had shrimp and cocktail sauce, not only as a taste treat, but as a psychological boost.

We carried two adjustable 2 piece tent poles, cabin tent style, available from Campmor, as an aid to erecting a tarp under windbound conditions.

There was more too, Mr. Robinson, but there was only 90 minutes to present the above information and retell the story of John Hornby's life and death, founding of the Thelon Game Sanctuary and the demise of a culture located in Baker Lake. Oh yes, there were 160 slides to show and a story of a canoe trip.

No, there are numerous MCA members who are better flat and whitewater canoeists and more skilled as campers. I can't take credit for any original ideas. These are Bob O'Hara's, renowned Arctic canoeist and former **HUT!** editor. Otherwise, Cliff Jacobson's writings outline methods and procedures of expedition canoeists. I am just fortunate in having had the opportunity to canoe the Arctic.

So, Mr. Robinson, before criticizing us for voluntarily sharing our experiences with others, why don't you show up? You may learn something.

Sincerely,

Jim Bydlon

EDITOR'S REPLY

Mr. Bydlon:

I will answer your last question first: I don't show up at your series because of the location. You, as a resident of the northwest suburbs, know only too well the distances involved. Try persuading Mr. Mitchell and company to present these events in a central location and I and many others will be happy to attend. Mr. Mitchell and Mr. Simpson have repeatedly complained about having to drive long distances to MCA Board meetings, (and leave early for that reason) so how about some consideration for others? Persuade your group to do a genuine job of sharing. Also, we can only hope that the proposed "Far North Symposium" will not be stuck out in the boondocks.

I did not criticize you for sharing your experiences with others. I did lump you with others whose presentations have been more entertainment than information. If your presentation contained the items you mentioned, I owe you an apology. If the other presentations were as informative, then the flavor of the series has changed from previous years when I did attend. (When I decided to spend my money on some of Cliff Jacobson's books rather than gasoline to travel to the Wisconsin border.)

It is unfortunate that it took a personal affront to get you to write for **HUT!**. Now that you have removed the bushel from your light, may we expect future contributions? How about an article on John Hornby's life? May we share in your knowledge of the founding of the Thelon Game Sanctuary? How about the lost culture on Baker Lake? **HUT!** will not limit you to 90 minutes. Try reaching thousands of members nationwide instead of just a privileged few who are willing to drive to a remote location. We have Cliff's Corner--how about Bydlon's Byway? Perhaps Simpson's Sanctuary?

You were quick to respond to an affront, but say nothing about Mr. Mitchell's denigration of **HUT!**. Nowhere in your letter do I see you taking him to task for HIS affront to the many members who have been willing to share through the medium of print. While I may not have attended your series this year, it is obvious that Mr. Mitchell does not read **HUT!** or he would realize just how ridiculous his "Heap of **HUT!**'s" statement is. Promoting canoesport is not and should not be a competition.

As I said before, "Keep up the good work." Now that you have taken the time to enlighten me as to the content, I will recommend the series as informative as well as entertaining.

James Robinson, **HUT!** Editor

CLIFF'S CORNER--GETTING A GRIP ON THINGS



Whenever I conduct a canoe seminar, someone invariably brings up the subject of paddles. So, I first preach the basics--no "nose to toes" measurements to determine length: Instead, there's the "scientific approach," which takes into account the length of your torso, height of canoe seat and draft of the hull. Ultimately, I top off with the variables which go into making a really fine paddle.

As I look back on my preachings, I'm amazed to discover that I almost always overlook--or at best discount--the most important factors in paddle selection; namely, the feel and contour of the grip and shaft, and the overall balance.

An upper grip that's too small will tire the hand, maybe even induce "carpal tunnel syndrome." And a grip that's too large will simply feel awkward. Most canoeists learn to adapt to the grip supplied by the factory. Not me. If it's not exactly right, it bugs me. No amount of convincing will make the paddle suitable for my purposes, even if all the other "paddle factors" are on target.

What then are you to do if you've found a nice paddle, but loathe the grip? One solution is to keep shopping. Another, is to buy the paddle "long," lop off the grip and attach your own. A grip that's too large (and very few are) can be shaved down. One that's too small is another matter.

Shaft contour is another concern. Some of the older, large "racing shafts" are too big for my hands, and I've not hesitated in taking a wood rasp to them. Small shafts (technically called the "loom") are impossible. They tire my lower hand. I usually sell or trade paddles which fall into this category. Or I keep them around as loaners.

A gently rounded shaft contour feels best to me. I dislike harsh curves. Round shafts are the pits, and are generally the mark of an inferior stick. There are lots of good paddles out there, and each canoeist develops a personal preference. To date, I've never had a commercially built paddle which felt exactly right as it came from the maker. Everyone required some customizing on my part. Sticks which have come close to complete perfection include my Hidde Classic and Foam Core, and a solo freestyle paddle built to my specs by Clint Waddell.

Finally, there is the matter of "tipping." At this writing, Bending Branches seems to have the edge with their ROCK GUARD tip. I've nailed a number of rocks with my BB paddle, some to purposefully test the strength of the material. Still no repairs required after a full season of whitewater.

What about off-set grips on straight paddles? This seems to be a national trend, not one I'm sure I like. Canting the grip does wonders for "going straight," and is quite comfortable for general canoeing. But it's out of place for whitewater work where you absolutely must have positive control of the blade angle. Sure, you can paddle rapids with a hooked grip... or a 14-degree bent shaft. You can even use a shaved down two by four--none of which excel at the job.

Lately, my paddle choices center around three models: A 14-degree 54-inch stick for slick cruising and general solo boat paddling; a 56-inch straight shaft with T-grip for positive control

in whitewater (tandem canoe). And, a 60-inch straight beavertail with built-up pear grip for solo slalom. I've got a number of specialty blades which I use from time to time, but if I had to live with three sticks, these would be them.

Finally, there is the matter of blade width. Two decades ago, I subscribed to the philosophy that "wider was better." Now I know better! Where once I thought that nine inches was the perfect width, I now believe this is way too wide. Eight-inch blades are about right for aerated whitewater, though I'm solidly hooked on seven and one-half inches, and most of my paddles are tailored (which means I cut them down) to this dimension. Seven and one-half inches are wide enough for whitewater cruising, and this width makes for more effective steering, ala the conventional J/Canadian/Pitch strokes.

If you sway with each J-stroke you take, part of the problem may be in your paddle blade. Wide blades are noisy, hard to control, and are more sensitive to the effects of currents and blade angle than are narrower ones. Absolutely nothing beats a traditional beavertail or Sugar Island blade with feathered edges for quiet, effortless, J-stroking.

Corners: Square corners are the pits. The blade wants to torque out if you don't set it into the water dead vertically. Manufacturers use square tips for three reasons: 1) It's easier to apply plastic or steel tipping material; 2) It produces the widest possible surface for use in shallow water; 3) It looks sexy.

Rounded corners suffer less abuse, are about as efficient, and make for a more relaxed and accurate stroke. A file and sandpaper will easily correct harsh lines.

Weight: Yeah, light paddles are nice, and the lighter the better. But frankly, I think that overall weight is secondary to feel and balance. After you've taken a few dozen strokes with a paddle, the weight (assuming it's not a club, of course!) blends to imperception. But if the grip or shaft's not right, and the balance is off, that paddle just won't make the grade.

Personally, I'm not convinced that racers will turn in better scores with the ultralight carbon-fiber sticks than with the already light state-of-the-art bent shafts of a few years ago. Time will tell... or better, their times will tell. Meantime, I'll stick with traditional wood paddles and opt for beauty over function. I can carve or sand wood. Carbon fiber is something else.

THE CANNONDALE TENTS ARE BACK!

Just got a call from Joe Montgomery, president of Cannondale, who, after considerable prodding on my part, agreed to manufacture 100 Aroostook tents this summer. If they sell reasonably fast, he may bring the tent back into production and put it into the Cannondale catalog. They'll be built in July and will be available directly from the factory, or from me, in late July or early August. These tents will not be advertised in the Cannondale catalog, though they may be special ordered through Cannondale dealers.

Here's a great chance for the MCA members to get a very good deal on the world's best tent. But they have to act quickly. Those interested should contact me.

These incredible three person tents sold for $400 in 1984, so you can guess at 1988 retail prices. But MCA members can get them from me at just $35 over dealer's cost, which I'm betting will be around $315. Non-profit clubs (scouts and such) can have them for $10 over cost.

If interested, call me now. This may be your last chance to get the best tent in the world at a below Rolls Royce price.

--Cliff Jacobson (612) 437-7497

SOLO and TANDEM--SPORT/FREESTYLE PADDLING CLINIC
by MIKE GALT of LOTUS CANOES

SATURDAY JUNE 25th 9:00 AM to 5:00PM
SUNDAY JUNE 26th 12:00 NOON to 4:00PM
FREE OF CHARGE...REGISTRATION REQUIRED

When I mention this event most paddlers give me a rather puzzled look and say something like, "I think I've heard of this stuff, but what's this all about?" So, before we get to the clinic specifics, here's Mike's own definition from Canoesport Journal: "It is the controlling of the canoe from one side, with occasional crossovers (without changing hand placement), and with at least one knee in contact with the bottom of the canoe. Its fundamental purpose is masterful boat handling and great speed over limited distances. Freestyle has another, more esoteric purpose: it gives us both the license and the means to transcend our land-bound origins, and to express ourselves freely on the surface of the water with the grace, beauty and exquisite control of ballet. It is an exciting new dimension to be explored." (See any issue of CSJ for more).



Mike Galt executes one of the graceful moves of freestyle paddling.

Pretty heady, exciting, beautiful and useful stuff. If you saw Mike's video at the Great Canoe Event, you know what I mean. In another soon to be published article, Mike likens freestyle paddling to figure skating. Which when practiced in its most free form becomes graceful dance based on technique and style. Now that you hopefully understand at least enough to pique your interest and attend, on to the details.

Both days will be held at Fort Snelling State Park, located off I-494 just south of the Mpls/StP Airport. The freeway exit signs will notify you of the proper park exit from either direction. You will need either a seasonal park permit or will have to pay a nominal

park fee for the day. Once inside of the park, we will either be at or next to the swimming beach on Snelling Lake.

A few canoes will be available, but to insure your getting a hands on experience, you should bring your own solo or tandem boat. Any type of open canoe will do except for the more extreme designed whitewater boats. All canoes must be currently registered, and you must have one PFD per person.

You MUST pre-register by sending your name, address, phone number and the time/days you will be attending to Sue Hix, 12917 Monticello Lane, Champlin, MN 55316. You can come by for as much or little time as you want.

FREESTYLE/SPORT PADDLING CLINIC SCHEDULE

SATURDAY June 25th

9:00 - 12:00	General clinic for solo and tandem including; demos, discussions (canoes, paddles, styles), and 'hands on' paddling.
12:00 - 1:00	BREAK FOR LUNCH
1:00 - 3:00	Women's clinic. Topics covered include; regaining control from the bow, style and technique over macho bash and crash.
3:00 - 5:00	Practice and advanced solo and tandem technique for men and women.

SUNDAY June 26th

12:00 - 4:00	This day will be less structured. The exact topics will be determined by requests from the attendees.

RE: V & V KRUGER, TWO CONTINENT CANOE EXPEDITION

Sometime during the late evening April 13th, I switched on my receiver up here in the Radio Shack and gave a listen to BBC News. Just idly. Not paying attention to anything. And then suddenly I woke up! The news readers authoritarian tones announced the following."....heavy flooding has been reported in the Pantanal de Sao Laurenco....with the Paraguay River cresting at 20 feet above flood level. Local ranchers report 100,000 head of cattle lost and drowned with the final count expected to be 200,000 head.....poachers crossing over from Paraguay have been reported in the region...they hunt for alligators on the Brazilian side of the river, lasso the animal and drag it over to the Paraguay shore to be killed...the poachers shoot at anyone who approaches down the river..." There was more...

I didn't think much more about what I'd just heard. But, then my eyes were caught on a sheet of paper lying on my desk. The TWO CONTINENT CANOE EXPEDITION, - Time and Distance schedule. And look here what it said: "Madeira to Paraguay River, April 20th, 1988."

Hey, what? V & V Kruger are heading right into the worst of it. What should I do? Call John Fons and be an alarmist? Not do anything at all? I did nothing that night. The next day while at work, I made up my mind, called my wife at home and asked her to phone John Fons in Winterset, Iowa. Yes, she reached John. No problem said John. The Krugers are on hold in Porto Velho, one month behind schedule awaiting supplies.

Later I received a letter dated April 25th. John tells that he had radio contact with Verlen on April 20th, they were in Porto Velho. He will have another radio contact with them when they reach the town of Caceres which is on the edge of the Pantanal. There is a road out from Caceres to Cuiba. Caceres marks the spot for them from where all waterways will be downstream to Buenos Aires.

--George Schnabel

WE'RE HERE TO SERVE

The Publications and Membership team is striving hard to maintain the interest of our current members and encourage other people who canoe to join, also. I am glad to add the new members each month, and excited to see our organization growing.

As you have seen in other articles in **HUT!**, other board members are talking about burn-out. I want to let you know that the Publications Director is holding his second position on the board, and for over six consecutive years, he has been on the board either as Cruising Director, or Publications Director. We, as a Publications/Membership team, and as a husband/wife team care about the MCA members and want to do everything we can to give you service. That is what the MCA is all about, SERVICE.

Not only do we take care of the Publications and Membership, we also handle the sales of products: T-Shirts, Patches, Stickers, and we are also mailing the Building Books. The reason why James does not want to run as Publications Director next year is because we find that all the jobs we have volunteered to do for the MCA take up too much of our time. The **HUT!** from word processing to going to the press takes us at least a week, that is evenings, and at least one full week-end. Once we have everything saved to computer disk, James has to figure out how it is going to go together, and that isn't easy, folks.

We hope to find someone who will be willing to be the Publications Director next year and carry on the tradition of a good newsletter that James has maintained the last 2-1/2 years.

See you on the River!--**Verna Robinson, Membership Director**



LAKE COUNTRY KAYAK TOURING SYMPOSIUM
June 18, 1988 Lyman Center, Lake Minnetonka
CALL FOR DETAILS

MCA DISCOUNT NIGHT
WEDNESDAY, JUNE 22 5-9 p.m.
15% off our regular low prices on our in-stock merchandise 10% off on canoes and kayaks (Bring in this issue of HUT - mailing label included - to verify your membership)

MIDWEST MOUNTAINEERING
309 CEDAR AVE. SO. MINNEAPOLIS, MINNESOTA 55454 612/339-3433

MADRAC: IMPORTANT UPDATE

Mississippi River Adventures, Inc. (MiRA, Inc.) appreciates the announcement of MADRAC VI, 1988 in the March 1988 issue of **HUT!**

The original event that was scheduled to start at Burlington, IA to St. Louis, MO has been re-scheduled to start at Muscatine, IA and finish at Hannibal, MO. Following is schedule of this year's event:

July 31 Muscatine, IA to Keithsburg, IL	28 miles
August 1 Keithsburg, IL to Burlington, IA	25 miles
August 2 Burlington, IA to Ft. Madison, IA	21 miles
August 3 Ft. Madison, IA to Warsaw, IL	23 miles
August 4 Warsaw, IL to La Grange, MO	24 miles
August 5 La Grange, MO to Hannibal, MO	27 miles
TOTAL	149 miles

As you can see from the above schedule, the nine day event has been re-scheduled to a six day event. This resulted from what the MADRAC Committee felt were possible safety hazards at the new lock and dam construction at Alton, IL and excessive river traffic.

I wish to personally thank you for your time and effort in presenting this to the MCA in **HUT!**.

--Lowell C. Hoy, Jr., Chairman MADRAC VI and MCA member

BELL CANOE WORKS

Ted and Elaine Bell Announce Their Production of the

CJ SOLO

Locally designed, the CJ is a lightweight, heavy duty solo touring canoe with a shallow arch hull for comfortable stability and a touch of rocker for the perfect combination of turning and tracking ability. Capable of handling large loads yet suitable for a quiet afternoon of fishing. Constructed with Kevlar and S-glass, white gelcoat and deluxe wood trim, the 39 lb. CJ Solo is a true pleasure to paddle.

Check one out today at Midwest Mountaineering in Minneapolis.

Outside of the Twin Cities area contact Bell Canoe works.

Route 2 Box 175 Zimmerman, MN 55398
(612) 856-2231

CIRCUMINNESOTA

CIRCUMINNESOTA got off to a fine start on April 16th. Several MCA people came out to Ortonville and along with my family, Ken Speake (of TV 11) with his two sons, and a large contingent of local residents, gave us a great send-off. a representative of USA WET, who is one of the sponsors of the trip, also came out to see us off. They are providing an isotonic sport drink which can come in powdered form. It is similar to Gatorade. A modest tail wind allowed the tandem canoers to proceed at a good speed, but eventually turned back two solo canoers. Ken was able to come alongside the canoe paddled by Dave Corredato, my daughter Deah, and myself, and get footage for channel 11. Later that day, the wind picked up considerably and caused us to become wind-bound. Thanks to the couple from Redwood Falls who came despite the weather.

Although the wind put us off the schedule by 3 days, we had a great couple of days out on Big Stone Lake, and while wind-bound we were shown two incredible private collections of indian artifacts. I recommend this area as one to explore in future. It has wonderful drive up the east shore of the lake, and the north end is an especially unique environment.

The next order of business was to man the CIRCUMINNESOTA! booth at the "Great Minnesota Canoe Event." Thanks to all the people who came by and showed an interest in our trip. Huge amounts of information was exchanged, and many people picked sections of CIRCUMINNESOTA! they will try to join us on. Special thanks to MIDWEST MOUNTAINEERING for the booth, and those who helped with our funding by buying raffle tickets or T-shirts. I do have about 40 T-shirts left, and would like to offer them to MCA people for $8.00. They are heavy "Beefy T" type, and they say "Canoe, kayak, bike and hike in Minnesota."

On April 25th, I went back to the border with a first rate paddler named Jim Bydlon and made up lost time. We did see a couple of inches of snow, and a 1/2 day of sleet, rain, and high wind, but because it didn't last, it really just spiced up the adventure. The Cooke Custome Sewing canoe covers really saved the day, and can really keep you going during conditions like these. One note: at least in low water conditions, don't use the Little Minnesota River between Big Stone Lake and Browns Valley. It is full of garbage, barbed wire, log jams, mud, rocks, dead deer, dead fish, and cow parts. We had to drag, push and pull the canoe for 3 or 4 miles to extricate ourselves from the river. After a 1 1/2 mile portage, we did Lake Traverse in good speed and on a clear beautiful day. We saw tremendous numbers of water fowl. The Army Corp of Engineers has two brand new roadside camps on both the south and north ends of Mud Lake which were very pleasant, although we were a bit surprised to find the entire lake drained for this year in order to improve water fowl habitat. We portaged the 10 miles around the lake. We then did the Bois de Souix, which is an interesting section of river full of wildlife. It has been "channelized" so it is rather straight. In high water I think it would be a great one day paddle.

As we left the Bois de Souix behind, we entered the upper reach of the Red River of the North. Reports of pollution are greatly exaggerated. There are some places where farms have been dumping equipment and cars over the riverbank, but these are not the type of smelly garbage dumps you would picture. I even enjoyed seeing the old cars from the 30's and 40's. Otherwise, the river is clear of any type of junk often seen on urban rivers. The water is full of sediment, and although I wouldn't drink the water because of the farm chemicals in it, we did see many people fishing the river, and I probably would swim in it in the summer. In lower water, come

prepared for a 1 to 2 foot section of mud between the canoe and shore. Better yet, learn to use the many logs to enter and exit the canoe. I would not use the river during high flood stage. It is full of fish, water-fowl, and wildlife, not to mention some very interesting people who live along it. The river is almost completely immune to high winds because it is down in a small river bottom and surrounded by trees. A good example is the day we were making good time, but could hear a lot of wind in the trees. As we paddled by a large tree about 15 or 20' from the edge of the river, it let out a large crack and came down only feet from the canoe. It gave us quite a start!

On May 5th, and right on schedule we made Fargo/Moorhead. There we were interviewed by 3 television stations and Minnesota Public Radio. I hope I encouraged a few people to try canoeing and other self-powered sports, and I tried to make a case for more recreational use of these areas.

Thanks to the people of Ortonville, Granite Gear for their great packs, Bending Branches for their great paddles, Stearns-PFD's, Harvest Maid dehydrators (we had some great tasting vegetables, fruit, and jerky made light and portable by their dehydrator), and especially Scotch color film, and We-no-nah Canoe (more on the Scotch film, and the incredible Kevlar canoe we are using when I get more time). Remember: canoeing is fun, camping is fun, enjoy Minnesota's natural resources, and the great outdoors!!!--**Dan Szymanski**

EMS IS YOUR COMPLETE CANOE HEADQUARTERS!

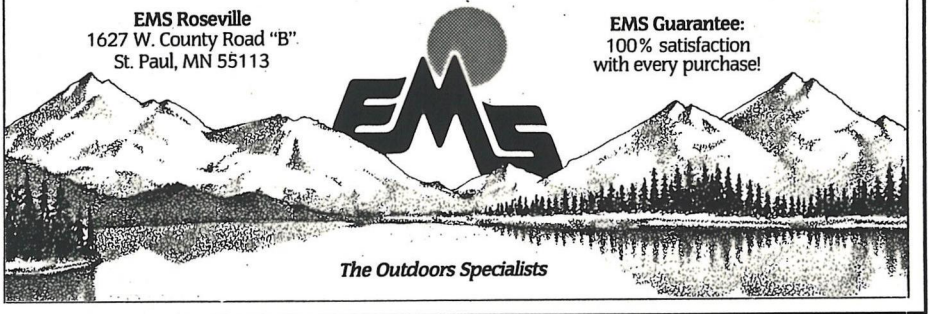
EMS, The Outdoors Specialists provides you with the best quality canoes and kayaks from Mad River, Sawyer, We-No-Nah, Old Town, Ranger, Mohawk, Perception and Aquaterra.

Our staff of experts can help you choose the right equipment for your needs from the largest selection in the area.
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TRIP REPORT: RIO GRANDE

We met at 5:45 a.m. on Saturday to pack four people (Boyd Tuve, Caryl Duke, Rick Decker and Coleen Offerdahl), two canoes and all food and gear for a two-week trip to Big Bend, Texas into the car. The canoes held almost as much gear on the car as they did once on the river, but we needed room to stretch our legs with about 1500 miles to go. Within the hour we were on the road, hoping the time driving would go quickly. With a minimum of stops, we arrived at the park at 1 p.m. on Sunday and met with our shuttle driver. He squeezed in and we drove to Lajitas where we planned to start our trip on Monday morning. The park requires an inspection for certain items such as life jackets, extra paddles and boat repair (duct tape is fine) and you receive a permit, very much like in the boundary waters, saying where you think you will be on a certain day.

We immediately dug out the shorts to enjoy that nice hot weather, and set about getting camp set up and organized for the next morning. We hit the one local restaurant for dinner, and hit the sack early after being awake most of that long drive down.

The night cooled down, but morning was beautiful and we only had 15 miles to paddle that day and to get thru the "Rockpile", whatever that took. The water was quite a bit higher than last time we had been there, and it made for quite a different trip. The current was moving right along, which helped our winter weary muscles get broken in gently. We came up to a local outfitter taking 3 rafts down through the canyon, and when we asked about the rockpile at this water level, he said it was class IV. You think you remember how awesome it is going into the canyons, but it is more than you remember. At Santa Elena Canyon, we had to portage thru most of the "Rockpile", and with a full load of gear, that gets to be quite a job. You also have to carry your water because of all the chemicals in the river from the runoff. We scouted what we could see and decided to paddle to the first boulders and do our first portage on the Texas side. We ran another very short section to the next boulders and portaged them. It looked like we could run the last drop, but after much discussion, decided to ferry across to see it better, and it's a good thing we did. A big souse hole had been blocked from our view. We were able to line this last section on the Mexican side and glad to be through it all. Three and a half hours later, we camped just below the rockpile in the canyon, and it was magnificent. We later talked to the people in the two canoes that came behind us the next day, and it had taken them five hours, so we felt better. The next few days we paddled at a comfortable pace and enjoyed the sights. We were trying to keep from frying ourselves and still take advantage of the hot weather and do some swimming and sun bathing. Mariscal Canyon is another deep, beautiful canyon. It has a small rockpile, which you can't scout completely when the water is higher, and we could see some brush piled up after the first big boulder. Boyd and Caryl went ahead to scout it out, and found we could get thru, but you did have to be careful of some hidden logs. Right after that is "Tight Squeeze," which is a good name for it. The water was just boiling trying to get thru there. The water on the sides next to the rocks was about a foot higher than the middle. We ran this last titme, but it didn't look wise at all this time with our loaded canoes, so the dreaded portage again but this one was much shorter. In fact, it didn't look wise even with empty canoes. The boulders in these canyons are not Minnesota size boulders. They usually seem to be about the size of a small house, which is why the portages are so hard. We camped shortly after the canyon where there is a gravel road access to the river. Five Texans were camped there fishing for catfish for a few days, and they had brought everything

including the kitchen sink. They were very nice and offered to help in any way they could. They offered us fresh fish and had us over for dinner for one night and gave us fresh vegetables when we left. The ICED tea was great. We stayed here two days to do some hiking. Boyd and Rick did a hot 15 miles. Caryl and Coleen did 2 shorter ones and spent the rest of the day in the river or under our tarp we rigged up for shade. The river had so much dirt in it, the more you were in, the dirtier your hair got, as it just kept collecting this but it was great for cooling off.

Our next big spot was the hot springs. The water is 105 degrees, and we had just enough sun burn to feel a sting, but felt great when you got used to it, and no sand in it. We lounged around there for a while and then headed down to Rio Grande Village where we were going to camp. This in one of the parks camping grounds with a store, laundry, & showers, which felt great. We did some hiking here and went to the town of Boquillas, Mexico which is about a mile down the river. You can take a boat across and then walk or get a mule ride to the town, which is another mile away. They have one tourist type store and a couple other little stores where Boyd stocked up on MORE hot peppers. We all bought rocks from the kids, but some of us got much better deals than others did.

Boquillas Canyon is one of the most beautiful. We stopped at one cross canyon where geodes and crystal are found, and did some hiking and hunting for treasures. Our shuttle driver met us the next day at the La Linda border crossing. We got there early and spent our time hogging the bench in the front of the Mexican border station. They were glad to get that back when we left. We'd had 11 days on the river, and it was great. We spent one more day in the park to hike the Chisos Mountains, and then headed east to go down to Del Rio, Texas and do some more shopping in Mexico. All the space we'd gained by eating all our food was quickly replaced by packages. In fact, we had more in the canoes coming home than we did going down. We made good time again and we all commented on how good the cooler weather felt. (70 degrees).

It's one week later, and we are getting together to exchange gear left in someone else's pack and decide where we are going next year.
--Caryl Duke

Great Northern Canoe Base



Old Town

A TRADITION OF QUALITY...

Largest selection in Northern Wisconsin!
Canoes from 12' - 18'.
or
Build your own canoe
from our cedarstrip kits.

Wooden Canoe Restoration
1620 S. MAIN ST. RICE LAKE (715) 234-1149

TRIP TEASER--MISSISSIPPI CANOE-A-BRUNCH

This trip will take place on July 17th. Bring some money, as we will buy brunch instead of packing one.

The trip is upstream, and then back downstream for a total distance of 3 miles. The MCA's Flatwater Cruise Rating states this must be a class "E," because it is "ANY DISTANCE AND OVER 50 MILES" and "ALL OF THE ABOVE/INCREASED UPSTREAM." I think you should forget about the above rating. I feel if you have a canoe/kayak, paddles, PFD (life jacket), and a pulse, you are more than welcome to come. Those people who are doing Bob Brown's Urban Canoe Series might consider this one.

Bob Brown wrote in a previous article to not give all the details (note, I didn't). This guy must read **HUT!**. I hope I made some people interested. Pick up the phone, give me a call at (612) 535-1373.--**Harlan Nickerson**, The guy with a big appetite (for canoeing).

Let's Go Mad River Canoeing



SATURDAY, JUNE 18
NOON - 4:00 P.M.
FORT SNELLING STATE PARK

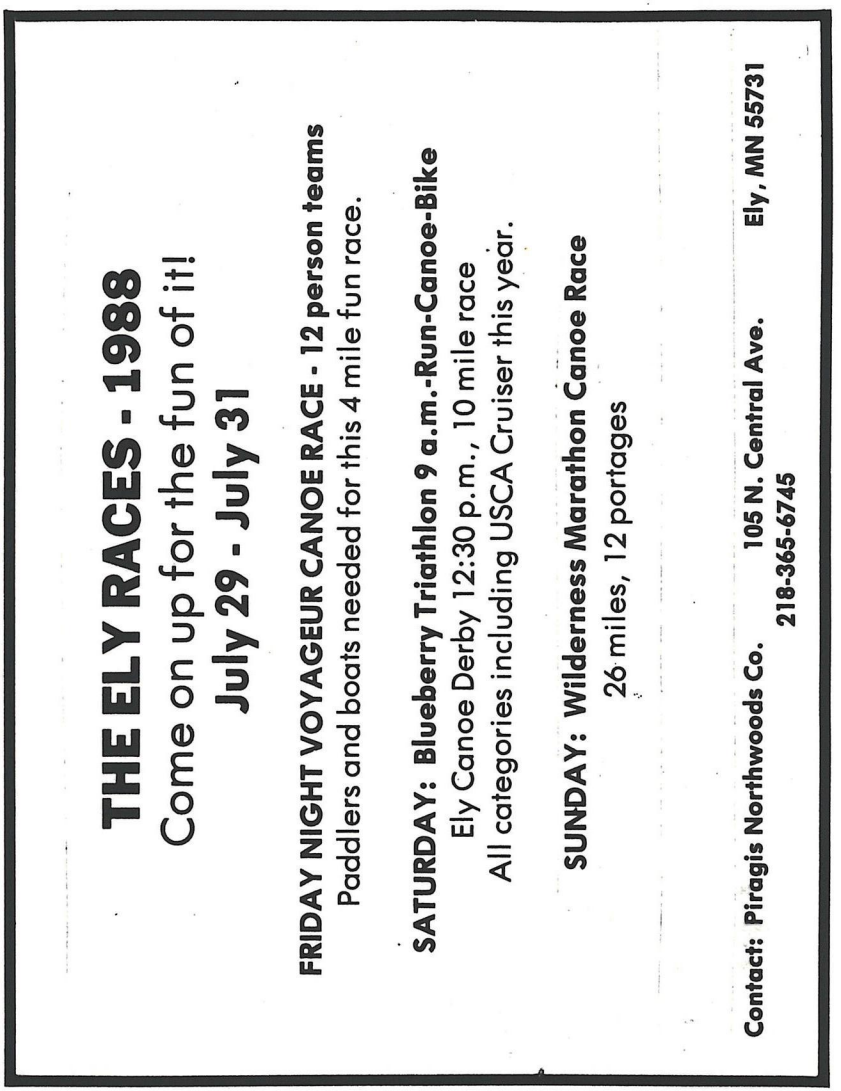
Demos • Test paddle course
Technical experts from Mad River



98th St. Exit Off 35W, Bloomington • (612) 884-4315
Quality Outdoor Gear and Clothing Since 1938

THIEVES IN THE WOODS

A note of warning! Gary Nagle, a member of the Rapids Riders, had his car stolen from the Banning State Park parking lot at the beginning of May. It seems that someone stole a car in Duluth, came down to the park, and exchanged cars. Gary had hidden his keys in the gas cap door like many folks do when paddling. Undoubtedly the unsavory character who committed this offense was either observing Gary or knew that paddlers like to leave a set of keys back at their car. So, take note, that all of those clever places that you might be stashing your keys might not deter the determined after all!!



TRIP REPORT: MINNESOTA RIVER

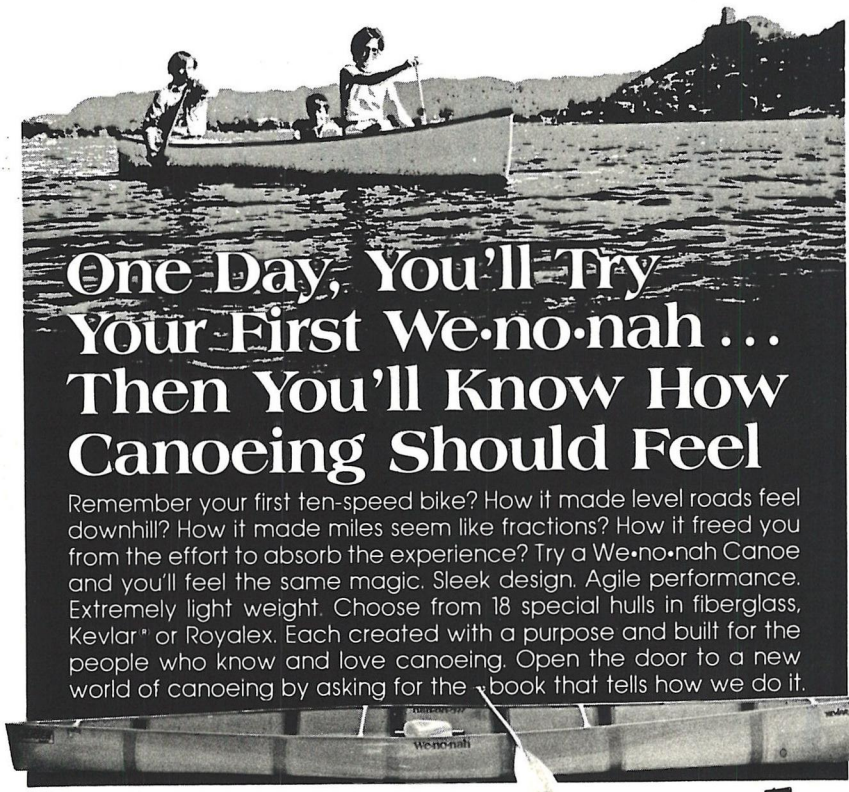
The Weatherperson (ERA, you know) said it would be sunny and warm with thunder showers in the evening. As Darla and I got closer to Shakopee, the clouds were getting thicker instead of thinner.

Our group consisted of three solos, one tandem kayak and two tandem canoes. George Kittle spotted a car at Fort Snelling, Kevin Ostedahl had arrangements to be picked up at the park. He would be our shuttle at the end of the trip.

Because the weather was not the best, and we would do the shuttle later, we stayed to see if some late comers would show up. We made good time to County Road 18 Bridge, while encountering some barge and tug traffic, we took a lunch break. With snow/rain and cold upon us, our lunch was a quick half hour. A decision was made to take a second break at Cedar Ave. Bridge. The sky was clearing and we were getting warmer. The group was off the river around 5:00 p.m.

Kevin took four of us back to Shakopee to get our vehicles. The Ranger was not in the office, so we slipped in to get our canoes and slipped back out. So ends another Great Minnesota River Trip!!

--**Harlan Nickerson**



MCA FLATWATER CRUISE RATING SYSTEM

Cruise Class	Distance (miles)	Stroke Rate/ mph over current speed	May contain special difficulty (limitations & inclusions)
A	0-10	minimum paddling/ at current speed	always on river always downstream
B	5-20	slow to easy	downstream or lake only very mild rapids no sweepers
C	10-25	moderate speed/ 3-4 mph above cs	only small amounts of upstream mild rapids/sweepers
D	10-50	fast cruise/ 4-5.5 mph above cs	all of the above/some upstream maneuvering required
E	any distance & over 50 miles	racer pace/ 5 mph+ above cs	all of the above/ increased upstream

INTERNATIONAL SCALE OF RIVER DIFFICULTY
(USE FOR RATING MCA WHITEWATER CRUISES)

Class I-VERY EASY
1. Waves small and regular
2. Passages clear
3. Sandbanks, artificial difficulties like bridge piers
4. Riffles

Class II-EASY
1. Rapids of medium difficulty
2. Passages clear and wide
3. Low ledges

Class III-MEDIUM
1. Waves Numerous, high and irregular
2. Rocks and eddies
3. Rapids and passages that are clear though narrow, requiring expertise in maneuvering.
4. MAY REQUIRE SCOUTING FROM SHORE

Class IV-DIFFICULT
1. Long rapids
2. Waves powerful, irregular
3. Dangerous rocks
4. Boiling eddies
5. Passages difficult to scout
6. Reconnoitering mandatory the first time
7. Powerful and precise maneuvering required

Class V-VERY DIFFICULT
1. Extremely long difficult, and very violent rapids following each other almost without interruption
2. River bed extremely obstructed
3. Big drops, violent current, very steep gradient
4. Scouting essential, but difficult

Class VI-EXTRAORDINARILY DIFFICULT
1. Difficulties of Grade V carried to extremes of navigability
2. Almost impossible and very dangerous
3. For EXPERTS only, at favorable water levels and after close study with all precautions taken
4. ALMOST ANY CLASS V BECOMES CLASS VI AT HIGH WATER LEVELS

CALENDAR OF EVENTS

****

ATTENTION!!!! ALL CRUISES MUST HAVE AN MCA RATING FOR QUIETWATER OR INTERNATIONAL SCALE OF RIVERS RATING FOR WHITEWATER TO BE PUBLISHED IN **HUT!** SEE RATING SCHEDULE ON PAGE 23.
THIS IS MANDATORY! CRUISES SUBMITTED FOR PUBLICATION WITHOUT A RATING WILL **NOT** BE PUBLISHED! THIS INCLUDES CHAPTER NEWS.

****

JUNE

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

1 WED — MCA BOARD MEETING. Whittier Neighborhood Center. 26th St. and Grand Ave., Minneapolis. &:30 p.m.

2 THUR — START OF HOIGAARD'S ANNUAL CANOE DERBY. See Racing Chapter News.

3-14 — NORTHERN MANITOBA, EAST REINDEER LAKE. Class B. 4-6 people. Share costs, some equipment available. Bob McCoubrie (612) 423-2327.

3-5 — NORTH COUNTRY CANOE WEEKEND. Twin Ports Chapter. Lake Nabagamon, WI.

4 — MISSISSIPPI CRUISE. Class A. See Unisys Chapter News.

11-12 — FLAMBEAU RIVER WITH ONE OVERNIGHT CAMP. Class B pace, Class I and II Whitewater. John Murphy (612) 431-5569.

11-12 — UPPER IOWA CRUISE. Class A. See Unisys Chapter News.

11 SAT — GRANDMA'S GETAWAY CRUISE. Class I-II whitewater. See Twin Ports Chapter News.

16 THUR — TWIN PORTS CHAPTER GENERAL MEMBERSHIP MEETING. See Twin Ports Chapter News.

18 SAT — GOVERNOR'S CRUISE. Class A. St. Croix, Sunrise to Wild River State Park. Good time to be had by all. More information on center insert and page 31.

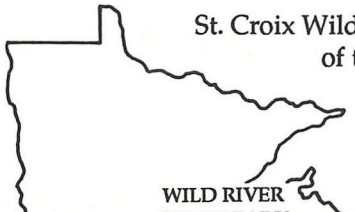
18 SAT — MAD RIVER CANOE DAY. A hands-on demonstration for anyone interested in paddling. Try a variety of canoes, straight and bent shaft paddles. Demonstrations and an opportunity to learn about solo boating, freestyle paddling, new materials and designs. Details on page 30.

20-24 — UMD KAYAK AND CANOE INSTITUTE--AMERICAN CANOE ASSOCIATION WHITEWATER KAYAKING INSTRUCTOR CERTIFICATION. (218) 726-7170 (9 a.m.-3 p.m.)

25 SAT — CLAM RIVER DISCOVERY CRUISE. Class B. See Twin Ports Chapter News.

CELEBRATE

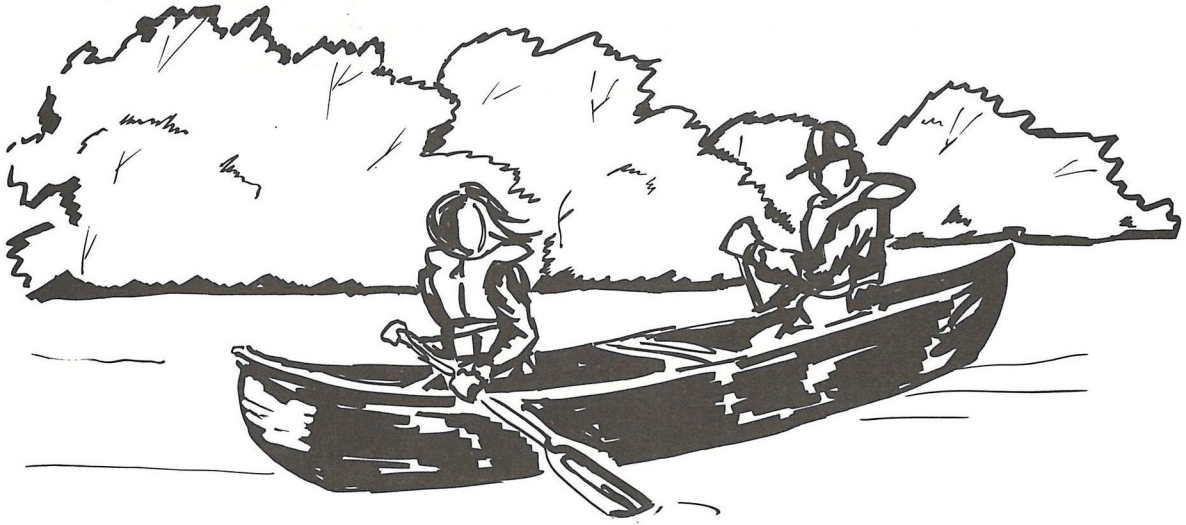
THE ST. CROIX



St. Croix Wild River State Park is 1 hour north
of the Twin Cities, off Interstate 35.
Take the North Branch
Exit (Highway 95)
and go east to Almelund.
At Almelund, turn left

2. Shuttle leaves state park picnic grounds for return to Sunrise Landing (*Additional departures throughout the afternoon.*)

Naturalist talks, Native American craft demonstrations, hikes and other activities will be on-going at St. Croix Wild River State Park June 18. Overnight camping available.



- Rental canoes available - reservations required, phone (612) 583-2125
- Free shuttle service
- Park permit required (1-day, $3.25; year-round pass, $16.00)
- Minnesota watercraft registration required for Minnesota waters
- FOR MORE INFORMATION AND MAPS, PHONE 1-800-652-9747 and ask for DNR

Join in Canoe Day & the 20th Anniversary of St. Croix National Wild and Scenic River

Hosts: Lieutenant Governor Marlene Johnson, Minnesota
Lieutenant Governor Scott McCallum, Wisconsin

June 18

St. Croix River at St. Croix Wild River State Park
(Sunrise Landing to Spring Creek Access; 9 river miles)

8:30	Registration at Sunrise Landing; free coffee and rolls
9:00 & 9:30	Early Bird shuttles leave Spring Creek Access for Sunrise Landing *(For convenience and because of limited parking at Sunrise Landing, canoeists are encouraged to use this shuttle.)*
10:00	Canoe Day Kick-Off, Sunrise Landing
10:30	Launch the Canoes!
1:00	Arrival at Spring Creek Access; lunch to music at Picnic Grounds. Bring your own picnic!
2:00	Anniversary program & prize drawing
2:45	Shuttle leaves state park picnic grounds for return to Sunrise Landing *(Additional*



on County Road 12. From Wisconsin, cross the St. Croix River on Highway 8 at Taylors Falls and take Highway 95 north to Almelund.

Canoe Day is sponsored by the Minnesota Department of Natural Resources in cooperation with:

Minnesota Canoe Association • St. Croix River Association
Wisconsin Department of Natural Resources • National Park Service • Voyageurs Region National Park Association
Taylors Falls Public Schools • Chisago County Sheriff Department

25-26 ST. CROIX CRUISE. Class A. See Unisys Chapter News.

26 SUN URBAN CANOE ADVENTURE. Class A. See Twin Ports Chapter News.

JULY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

9-10 BRULE (kayaking) CRUISE. See Unisys Chapter News.

17 SUN MISSISSIPPI RIVER CANOE-A-BRUNCH. See article on page 20 for details. Harlan Nickerson, (612) 535-1373.

23-24 ST. CROIX RIVER BETWEEN HIGHWAY 48 AND HIGHWAY 70 with one overnight camp. Class C pace. John Murphy (612) 431-5569.

23-24 LOWER NAMEKAGON CRUISE. Class B. See July Unisys Chapter News.

31-AUG 5 MADRAC VI. Muscatine, IA to Hannibal, MO. See page 15 for more details and important update.

AUGUST

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

5-7 HIAWATHA VALLEY BIRD COUNT CRUISE. MCA and Audubon Society. Wabasha area on Mississippi and Chippewa rivers. Contact Bob Brown before June 1 for reservations. Class A-B.

13-14 UPPER NAMEKAGON CRUISE. Class B. See future Unisys Chapter News.

17-Sept. 5 Northern Manitoba, East Reindeer Lake. Class B. (Dates negotiable) 6 people. Share costs, some equipment available. Bob McCoubrie (612) 423-2327.

27 SAT ST. CROIX RIVER. Class A. Riverside at 8 a.m. to the Highway 48-77 Bridge at about 1:30 p.m. Dan Szymanski. Contact Nancy Haugen at (612) 384-6380 (h) or (612) 384-6591 (w).

28 SUN ST. CROIX RIVER. St. Croix State Park. Class B pace with Class II Rapids. Dan Szymanski. Contact Nancy Haugen at (612) 384-6380 (h) or (612) 384-6591 (w).

MINNESOTA LAND SURVEYORS ASSOCIATION CONFERENCE

A recent Minnesota Land Surveyors Association Conference dealt with the survey of the public lands. This copy of a letter sent from a surveyor to his supervisor was included in our materials to remind us of the conditions under which the sections were surveyed.

I recognized this same area (Bald Eagle Lake to Parent Lake) as one of my favorite canoeing areas.--**George Skinner**

HARDSHIPS OF EARLY QUETICO SUPERIOR COUNTRY SURVEYORS

"Of six new canoes with which I started from Ely Lake in Section 30, T62N, R11W, and followed the best possible route, I returned July 2nd, with two canoes, for which I was pleased to get $25.00, the rest of the $300.00 worth of canoes are strewn from Ely to Parent Lake, together with numerous supplies and camp equipage. This contract has occupied all of my time and attention from the first day of December 1905 up to and including the 6th day of October, 1906.

"It has cost in actual expenditures, $3461.85, not including anything for my own labor.

"I have used my best endeavor, have exhausted my funds and credit, ruined my once rugged constitution in the survey of Government lands within the State of Minnesota in the past six years and feel that in this contract no. 120 I have made a failure. That while the work is all within the limit of error for this class of country it will not appear to good advantage under an inspection costing from $20.00 to $60.00 per mile for each and every mile examined for the reason that this work cannot be executed in strict accordance with manual instructions for the prices as allowed by law.

"This contract is not accessible to beast of burden and is about 50 miles by water route to the nearest point and during the 50 miles of water there are 16 portages over hills and swamps, varying from 1.00 to 1-1/2 miles over which all supplies, canoes and camp equipage must be carried in winter. I have been obliged to resort to toboggans upon which to move camp and supplies, while in the summer season canoes and packing is the only means of transportation.

"In winter there is about 4 feet of snow to contend with and in the summer the flies and mosquitoes drive even the thick skinned moose into the lake and ponds and will not allow a man to sleep at nights.

"In summing up the entire contract I may truly say it lies in the most forsaken country it has ever been my misfortune to encounter. There is apparently nothing within the boundaries of the four townships that would induce a sane person to enter within the unsacred domain of moose, wolves, bears, snow, rain, mosquitoes, flies, rocks, swamps, brush and rapids.

"Altogether this township comprises as undesirable pieces of land as I have ever seen or care to see, it having cost me to complete the work the sum of $1200.30."

"The lands show evidence of mineral deposits, as the magnetic needle is wholly unreliable, at times showing a variation of 40 both E. and W. of true meridian.

"The township is wholly unsuited for agricultural purposes, and is best fitted for game preserve.

"The township was surveyed under extreme difficulties being accessible in winter, only, to packers and toboggans. The streams, by which it might be reached by canoes, did not open until about the 10th day of June and were full of log drives and floating ice, making canoeing extremely dangerous.

"The supplies for the work in the township were 'packed' from the Tote Road of the ST. Croix Lumber Company, in the west tier of

sections in T61N, R10W, which point is about 30 miles from the nearest supply depot. Upon the completion of work in this township, June 3rd, 1907, there remained about 1-1/2 feet of snow in the heavy timber, and often 3 feet on the north slopes of hills, the south slopes of hills only being bare of snow, except in barings and windfalls in the northwestern part of the township. The streams and swamps were full of ice cold water, of which it was necessary to paddle through like little men.

"The survey of this township from start to finish, has proved to be one continuous round of enjoyment, the like of which one experience is sufficient for a lifetime.

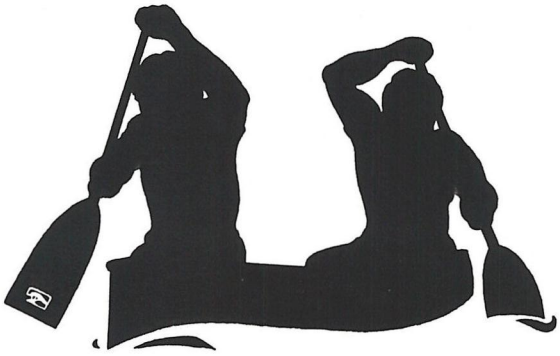
"In meandering in section 6. July 1st, the mosquitoes and 'No-see-um' flies have the snow and water at an advantage for punishing a human being. Life is almost unendurable, from the torture of insects, and physical discomforts. I have been stung by mosquitoes in this township, while standing in snow knee-deep."

"The memory of a man in the relentless grasp of a pack sack loaded with 100 pounds of provisions and campplunder, on a June day, midst myriads of mosquitoes, deer and moose flies and no-see-ums is sufficient to drive a man to the depths of perdition in search of comfort.

"At the corner of section 16, 17, 20, and 21, my last camp, there stands a 12'-x-14' wall tent. One 10'-x-12' wall tent stands. Cooking utensils and bedding valued at $60, all of which any examiner of surveys is welcome to, to do as he wishes with.

"At the township corner, NE corner of section 1, there are three canoes in good condition besides 300 pounds of flour, 100 pounds of beans, 50 pounds of sugar, and all camp supplies, all of which I am most heartily glad to be relieved of and cheerfully donate to anyone who wishes to carry them around the country on his back."
"Subdivision complete. Finis."

PUMPING WOOD



BENDING BRANCHES PADDLES

BENDING BRANCHES

1101 Stinson Blvd., Mpls., MN 55413 612-378-1825

A CHOICE

Have you read "CANOE" lately? Pretty bad, isn't it?

"CANOE" tells you all the great places to paddle like South America or Hawaii's Volcanic Coast. A recent issue even had an article on canoeing Yugoslavia, Boy I can hardly wait to get there!

Once in a while you find terrific articles such as one on "Finding the Savory Salsify Root." That must have something to do with canoeing but I haven't figured out what.

You now have a choice. Have you tried "Canoesport Journal?" Never heard of it? You will.

Harry Roberts is back in the publishing business. Uncle Harry is producing a canoeing magazine that is a great change. This magazine tells you how to paddle, not where.

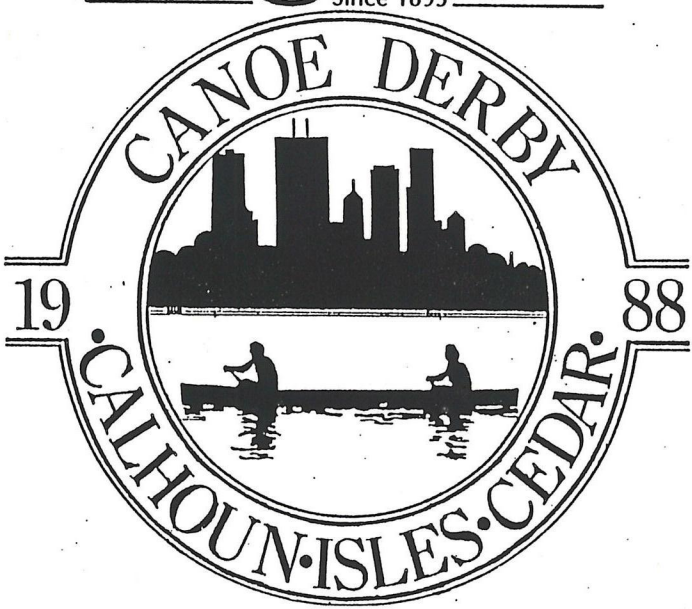
"Canoesport Journal" is an assortment of opinions on paddling styles and equipment. Harry has accumulated some very good writers on every subject from pro-racing to free-style.

You will not find pictures of canoes being thrown off factory roofs and hopefully I'll never see pictures of who can run the highest waterfalls.

If this magazine is going to continue, it needs subscribers. DO IT!

For information to sign up for a subscription, see your November 1987 **HUT!** page 23; or see the yellow pages in the MCA Membership Directory. Or send a letter to Canoesport Journal, P.O. Box 991, Odessa, FL 33556. One year is $10, and two years is $19.--**Bob Brown**

Hoigaard's
Since 1895



A SERIES OF TEN EXCITING RACES ON CONSECUTIVE THURSDAY EVENINGS BEGINNING JUNE 2ND. CALL 929-1351 FOR INFO.

I DON'T PADDLE ON MOTHER'S DAY

I enjoy relaxing on a rainy day. It renews my faith, and leads me to pleasant thoughts of days in my tent or in my canoe. I read a Larry Niven novel in my tent by the Peel River during a twenty four hour soak in August of '86, and I paddled like blazes last year to cross Seseganaga Lake in a northwester. But when it rains on Mother's Day, I always recall the shortest canoe trip I ever took.

My favorite one-day river is the Lehigh in eastern Pennsylvania. You can journey twenty six miles thru remote Pocono valleys from the put-in off US-80 at White Haven to the take-out at historic Jim Thorpe.

And, it's just a two hour drive from New York City. Usually, the river is a modest class I with up to ten miles of class II whitewater, mostly through interesting rock gardens. But, after a storm, it can rage III's and IV's over its entire length. On this occasion, the Lehigh was at a scratchy low and rain threatened. I was leading a Sierra Club trip but only a group of three had signed on.

Steve hadn't paddled in a while; he brought his old plastic kayak. His son and their friend were in a patched-up canvas skinned Klepper. After the long one hour car shuttle, we were ready to put-in at Rockport and run the last sixteen miles thru the lower canyon. I looked at the Klepper with suspision; the first hundred yards over the rocks would tell. We pulled into the eddy pool below and Steve motioned to me. "We have a problem," he said. Yes, the patches had torn off the Klepper, but what ended the trip was Steve walking to shore with the two halves of his boat; the UV embitrittled plastic had neatly cracked just below his seat.

We secured the two boats and the two halves to my car and returned to Jim Thorpe to retrieve their car. It rained on my drive back to the city; I laughed the whole way.--**Norm Kagan**



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REI NEWS RELEASE: MAD RIVER CANOE DAY
CONTACT: MARSHA BERRY, REI, BLOOMINGTON, MN 612-884-4315

WHO: Mad River Canoe day with technical experts BOB FOOTE and SUSAN CONNOLLY
WHAT: You Can Canoe! Day
WHEN: Saturday, June 18, Noon-4 p.m.
WHERE: Fort Snelling State Park

A HANDS-ON DEMONSTRATION FOR ANYONE INTERESTED IN PADDLING. TRY A VARIETY OF CANOES, STRAIGHT AND BENT SHAFT PADDLES. DEMONSTRATIONS AND AN OPPORTUNITY TO LEARN ABOUT SOLO BOATING, FREESTYLE PADDLING, NEW MATERIALS AND DESIGNS.

From first-time paddler to whitewater runner, there will be something for everyone to try at You Can Canoe! Day. This hands-on clinic will be Saturday, June 18, Noon-4 p.m. at Fort Snelling State Park.

More than 20 different canoe models will be available for demonstrations and free test paddle opportunities. Co-sponsored by REI and Mad River Canoe, You Can Canoe! Day is an excellent opportunity to see canoes in action, feel the difference in handling characteristics and learn about today's designs and materials.

"Improvements in construction and design in just the last 10 years make the current line of canoes a totally new experience from the past," explains REI's Tom Chelstrom. "We believe the best way to appreciate these improvements is to paddle and compare canoes for yourself."

Bob Foote and Susan Connolly, Mad River Technical Representatives, will be conducting instructional demonstrations and fielding questions. This husband/wife team has years of canoeing experience including solo descents of the Grand Canyon in open canoes. With their four year old son they also enjoy exploring quiet lakes and streams.

"Almost everyone has convenient access to waterways even in large metropolitan areas," Foote says. "A canoe offers one of the best ways to enjoy the natural environment close to home. You Can Canoe! Day will help people get started canoeing or find new ways to enjoy the sport."

The day's agenda includes how to paddle with straight and bent shaft paddles, water safety, solo boating, fly fishing from a canoe, and freestyle paddling. For more information contact REI, 98th St. Exit off 35W in Bloomington, (612)884-4315.

CANOE TRIPPING HEALTH AND SAFETY SURVEY

If you are planning a canoe trip this season to the Boundary Waters/Quetico or beyond, here is one way for you to contribute, to "get slightly involved" in MCA, and maybe to learn a bit about canoe tripping.

As MCA members we are fortunate to have exposure to many knowledgeable and experienced sources of information on canoe tripping: how to do it safely, comfortably, and with minimal environmental impact. While we are surrounded by opportunities to learn how to do it, there is very little information on what canoe trippers are actually doing, and what the consequences are.

Canoe trips are rarely fatal, but what sort of injuries or illnesses are happening. What precautions do trippers routinely take. For example, most people know that in the BWCA, it is possible to contract giardia lamblia or hepatitis, but how many people actually do? Are groups taking precautions? Are they boiling the water; using chemical or mechanical purifiers? Do they get careless? How many groups take axes or saws? Are they getting hurt? Have there been injuries from cook stove flare-ups? How common are

sprained ankles, twisted knees, fishhooks in flesh, heat exhaustion, hypothermia, back injuries, or allergic reactions to black fly bites and bee stings?

If you are taking a canoe trip (minimum of three nights on trail), or have taken one this season, you can help find answers to these questions and more-if you sign up to participate. All you will be asked to do is (1) record any health or safety-related events that occur on your trip, and (2) complete a questionnaire after the trip. All information from individuals will be strictly confidential. After the season ends, the information will be analyzed and results will be reported to Bill Simpson and **HUT!**

To enroll in the survey, or if you have questions, call or write:

Fritz Fox
3168 Shorewood Drive
Arden Hills, MN 55112
(612) 633-5683.

Please provide your name, address, phone number; number of people in the group; starting date and length of trip; general location of trip (e.g. BWCA, Northwest Territories, etc.).--**Fritz Fox**

ANNUAL CANOE DAY CRUISE (Also see the center insert.)

This year's Annual Canoe Day cruise will be held on June 18th, from Sunrise landing to Spring Creek landing on the St. Croix River. The route was selected to commemorate the 20th anniversary of the designation of the St. Croix as a Wild and Scenic River, and the 10th anniversary of the founding of Wild River State Park, which contains both access points.

For convenience, and because there is limited parking at Sunrise, there will be a free shuttle service. The DNR recommends that canoeists arrive early at Sunrise, drop off canoes, gear and paddling partners, then drive back to Spring Creek access (about 20 minutes). A shuttle will pick up drivers at Spring Creek at 9:00 and 9:30 a.m., returning everyone to Sunrise in time for a kick-off program at 10:00 a.m. The MCA will provide coffee and refreshments at Sunrise. Lieutenant Governors Marlene Johnson of Minnesota and Scott McCallum of Wisconsin will represent the two states, the National Park Service, and the Wisconsin DNR will share in sponsorship of the event.

If possible, MCA members are asked to save room in your canoes for people who lack a canoe and/or canoeing experience. We will count on MCA folks to set an example by having and wearing PFD's, and welcoming participants who may be new to our sport.

At Wild River State Park Campgrounds, there will be musical entertainment by Northwest Passage, and another short program marking the 20th Anniversary of Wild River State Park. Bring your own lunch; there will be barbeque grills and water available at the picnic grounds. After the ceremony, plan to stick around for hikes with the Park Naturalist, interpretive and craft demonstrations, a walk to the Nevers Dam site, and a beautiful afternoon in the park. Children are welcome.

There will be a final shuttle from Spring Creek to Sunrise after the afternoon ceremony.

PLEASE NOTE: You must have a current license on your canoe. You must have PFD's for each occupant of your canoe. You will need a park sticker for your car (park stickers will be available the same day, but canoe registration will not be). Wear an MCA T-shirt or brandish our logo, so we can link you up with someone needing a spot in a boat and/or experienced partners. Let's hope for good weather and a great turnout! For more information or a map, call 1-800-652-9747, and ask for the DNR.--**Don Mitchell, Vice President**

BUILDERS CORNER

I have one tip to share with you this month.

Minnesota climate indicates that it's smart to build canoes in the winter and to use them in the summer.

That's where I'm at.--**Bob Brown.**

TOYS FOR BIG KIDS

I spend much time at the city lakes in Minneapolis. I am always impressed by the value of the toys people bring to the parks. Thousands of dollars worth of equipment pass by any point within minutes.

It would be unthinkable to go jogging, roller blading or skating around the lakes without proper equipment. $150 running shoes are in as are pulse monitors and stop watches. Proper attire is also important, you must wear color-coordinated clothes.

Bikes, now there is a place to spend your money. A minimum adult bike is $400. The average about $600, and the top of the line, I hate to tell you, costs much much more than a Kevlar canoe.

No well-equipped bike would show up without an eight function computer and canondale bags on either end.

No self-respecting cyclist would show up without being properly dressed. The clothes are available to match the flashiest bikes.

An occasional canoe will show up at the lake. All to often, it is a metal boat or a poorly shaped tupper-tub. Its operator clad in army surplus garb and his gear stuffed into a shapeless canvas sack. No wonder most canoeists hide their game in the woods.

I have heard it said that canoeists are cheap. I can't buy that. I think that they have been treated cheaply by the manufacturers and dealers. They have also been done dirty by the Gurus of the sport. They have been taught from the Boy Scout days that a canoe was a vehicle to get into the woods.

It's time to re-think the game, a canoe is a type of yacht, a small one, but a yacht nontheless. A canoe should be fun to paddle, it ought to be a joy to use anywhere.

It's time to class up our act and move canoeing in from the woods. There is a great potential in canoe sport, but we must class up the game before this potential can be realized.

There are thousands of folks who will enjoy canoeing once we get over the idea that "proper canoeing" requires hardships and risk of life and limb.

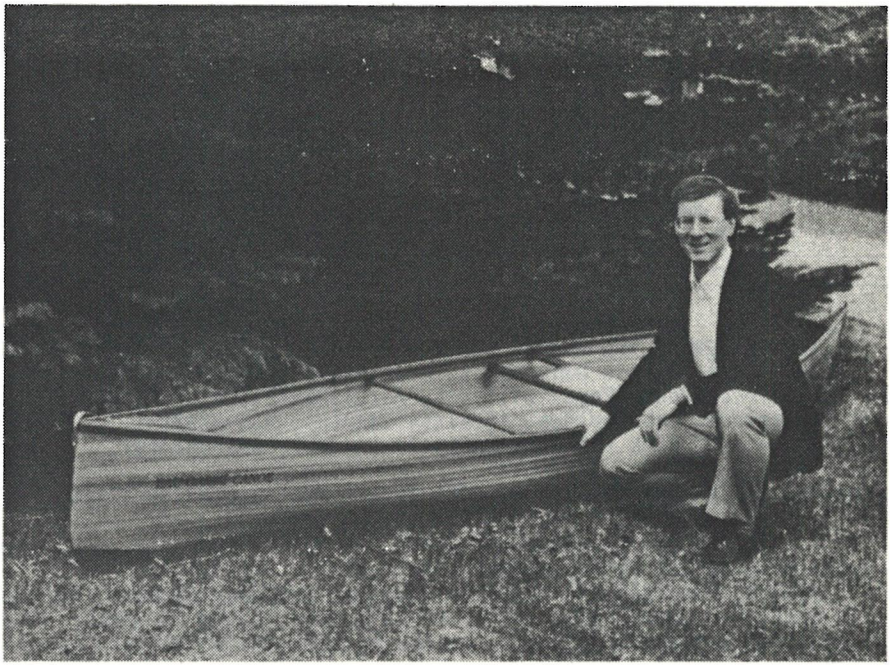
Tell a lady that it would be ok to paddle a light, responsive canoe in her color-coordinated paddling clothes, and she may be interested. Tell her that she can wear Chanel No. 5 rather than Muskol and you are sure to have a winner.

Towards the end of our urban canoeing opener, I noticed a group of people paddling hard and fast back towards our put-in, they all had a smile from ear to ear. That's what canoeing ought to be. Fun. Fun, folks--do you need to sleep on a hard rock in the BWCA to have fun? Does canoeing require that you fight mosquitoes and smell like smoke? I don't think so.

When I started canoeing, I thought canoeing always meant a drive to the put in and a muddy, buggy day in the woods. Really folks, it's little wonder that canoe sport is looked down on by the masses.

Paddle where you are, develop the skill to look like you really know what you are doing and class up your act. It's time to present a pleasant image to canoeing.--**Bob Brown**

CONGRATULATIONS!, CONGRATULATIONS!

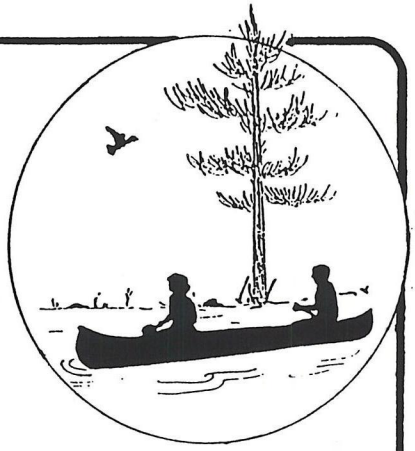


The Board of the Minnesota Canoe Association extends their congratulations to Steve Gausman, the winner of the Leaf canoe from Eau Galle Boat shop.

THE LANDING

MISSISSIPPI HEADWATERS
CANOE RENTAL

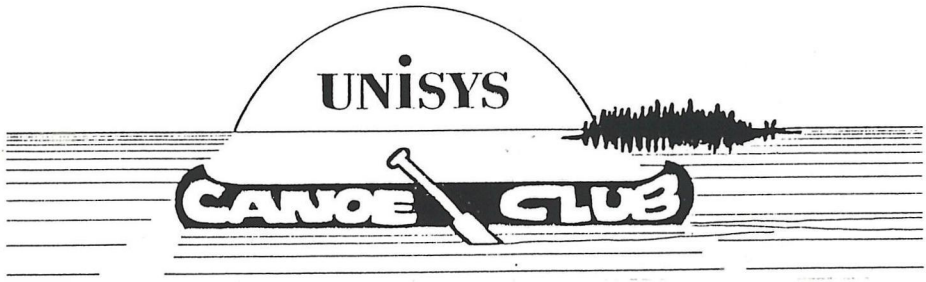
(218) 266-3445
June - August



Canoe rental, shuttle service, and river information for the first 60 miles of the infant Mississippi River, including the only 30 miles of the river than remains in its natural state. This beautiful, wilderness stretch is perfect for couples, families, scouts, and church groups. Half day to five day trips available. Lodging and camping nearby.

Bob and Margaret Scobee
General Delivery
Lake Itasca, MN 56460

One mile north of Lake Itasca Post Office on Co. Hwy. 2



NEWSLETTER OF THE UNISYS CHAPTER
President, Winnie DauSchmidt, (612)644-6115(h), 696-4378(w).
Vice-President, Roger Gillette, (612)926-7214(h), 635-6197(w).
Treasurer, Bob Breeden, (612)454-2440(h), 456-3252(w).
Secretary, Rick Hartung, (612)420-2743(h), 696-4877(w).

UNISYS CHAPTER INVITES YOU TO COME PADDLE THE QUIETWATER TRIPS

You'll be on interesting rivers, in the fresh air, with some great people, and it's good exercise too!

June 4, Mississippi 1C. (MCA Class A) Saturday (Sunday, if rain)

Roger Gillette leads us on an enjoyable, close to home, family canoe trip along a different section of the mighty Mississippi every year.

This year, join us as we canoe along white limestone cliff walls, explore wildlife, go through locks, and browse around a state park island.

We'll pause on one of the numerous sandy beaches to enjoy a leisurely lunch and the warm rays of the sun.

Where do we find all this? Right between the twin towns, from Lake Street bridge to Harriet Island. For more information, call Roger Gillette w-(612) 635-6197, h-(612) 926-7214.

June 11-12 Upper Iowa River. 1C (MCA Class B) Saturday & Sunday

The Upper Iowa features dramatic changes in terrain. You will be canoeing through rolling pasture land, gentle hills and dramatic limestone bluffs. These are famous 'chimneys' that are listed among natural wonders of the world. Wildlife is abundant, including mud swallow nests built into the overhanging bluffs. Lots of twists and turns, but easy paddling/floating. Bring your camera to capture this unique quiet river. The peaceful grassy campsite is in a rural setting at rivers' edge. For more information, call Jim Krueger, H-(612) 784-5319.

June 25-26 St. Croix River. 1C (MCA Class A) Saturday & Sunday

The Upper St. Croix has something for everyone: beautiful scenery, swim spots, novice rapids, floatable currents, and free camping. Saturday, the St. Croix from Riverside down offers a strong current for easy ruddering and sandy bottom for swimming at will. Sunday's run features small rapids and more lazy paddling through heavily wooded wilderness. For more information, call Joe Reischel at H-(612) 776-0861 W-(612) 733-3467.

July 9-10 Brule 1K, 2K Saturday & Sunday

ADVANCE RESERVATIONS REQUIRED, COST $21, BY JUNE 21ST

Have you ever thought you would like to try kayaking? Every year beginners learn how to kayak and have a lot of fun on the river. The Brule is the place to be on this weekend for rookie and veteran alike. The outfitter provides: kayak, paddle, life jacket, spray

skirt, helmet and shuttle service. All you need bring is your camping gear and a mug for the refreshments at the volleyball game afterward.

On Saturday we conduct dry land training, then put on the river to feel the effects of river currents and some mild rapids. Sunday we practice our newly learned techniques by running several enjoyable rapids. For reservations or more information, Call Gary Brunsvold at H-(612) 470-1518 or W-(612) 828-3796 or call Winnie DauSchmidt at H-(612) 644-6115 or W-(612) 696-4378.

1=BEGINNER, 2=NOVICE, 3=INTERMEDIATE, 4=EXPERT, C=CANOE, K=KAYAK, R=RAFT



NEWSLETTER OF THE LONG DISTANCE CANOE RACERS
President: Karl Ketter, (612) 636-8116
Race Calendar: Tom Nolz, (612) 689-5719
Rt. 1, Box 202
Cambridge, MN 55008
Coordinator: Betty Ketter: (612) 561-2208

SPRING TRAINING:

"Rookie racing" will continue every Monday night on the Mississippi at Showboat Landing at 5:30 p.m. throughout the season until daylight savings ends in October. Bring a PFD and a decent paddle (and a racing-style boat if you have one). For more information call Jeff Dubois 459-4132.

St. Croix training will be Tuesdays, 5:30 p.m. at the DNR landing near the Boomsite Park north of Stillwater. For more information call Bill Simpson at 433-3451.

"Long Slow Days" (LSD) takes place almost every weekend for the more committed racers. Rivers and locations change so call first. For more information call Pam Henry, 774-5150.--**Bill Simpson**

YOUTH PADDLERS RELAY RACE

Paddlers under the age of 18 are invited to compete in the State of Minnesota VFW Canoe Relay Derby. This event is held each year on different rivers in the state. This year, the event will be located at Pine City on July 16-17.

A relay team of six paddlers take turns paddling in a course of 60-80 miles over two days. Any organized youth group (at least 1 adult leader per team) may enter. A VFW post from the area of the teams usually will sponsor the team(s).

This is an opportunity for MCA members to promote their sport. Coach a team. Past VFW contestants include such as Chichanowski, Rudquist, Berne, and Baker.

RACING NEWS CONTINUED ON NEXT PAGE

RACING NEWS CONTINUED FROM PREVIOUS PAGE

Classes are girls, boys, and/or coed. There is no limit on number of entries. Canoes are furnished or you can use your own, MCA standard specs will apply.

For more information contact "Red" Jenson, 2622 Central Ave., Minneapolis, MN (612) 781-1500 or (612) 722-5180.

RACE RESULTS- BULLPUCKY'S GREAT CROOKED RIVER RACE 1988

Sunday, April 26, marked the 3rd annual Bullpucky's Great Crooked River Race. This event is getting a name of combining good racing classes with citizen classes to make a season opener that offers an enjoyable time with classes for everyone. One feature enjoyed was that classes were organized so that competitors could race both morning and afernoon classes if they wished.

Race day was quite nice, though rain and/or snow fell just a few days before the race and just a few days after. The course used was the alternate low water course, so no particular problems were encountered-at least in the morning classes.

Entries in this first race of the season gave a preview of what USCA nationals may be like. Names such as Barton and Hassel were balanced by Minnesota names such as Rudquist or DuBois. Many quality racers came to get a look at this season's competition. The citizen classes were well attended by the local Explorers, Post 301 (the red shirt teams).

52 canoes in all competed--next year come and participate whether you "bank run" or compete at the citizen level or higher.

--**Doug Sumner**

CLASS I--ALUMINUM

Place	Name		Time
1	Tom Eaton	New Prague, MN	1:26:04
	Steve Gansen	New Prague, MN	
2	Brad Churchill	Faribault, MN	1:29:04
	Larry Churchill	Faribault, MN	
3	Kim Keller	Faribault, MN	1:31:23
	Doreen Sanborn	Faribault, MN	

CLASS II--JR. GIRLS STANDARD

Place	Name		Time
1	Laura Gregerson	Northfield, MN	1:41:54
	Lisa Gregerson	Northfield, MN	
2	Delacia Hubbell	Faribault, MN	2:06:10
	Julie Merrild	Faribault, MN	

CLASS III--JR. BOYS STANDARD

Place	Name		Time
1	Mark Dallenback	Northfield, MN	1:20:01
	Greg Sumner	Dundas, MN	
2	Steve Wegner	Faribault, MN	1:20:10
	Troy Steinbauer	Faribault, MN	
3	Jason Sanborn	Faribault, MN	1:25:05
	Barry Becker	Northfield, MN	
4	Jeff Voracek	Faribault, MN	1:26:02
	Ed Brausseaur	Faribault, MN	

CLASS IV--MIXED COUPLES STANDARD

Place	Name		Time
1	Jerry Hammann	Owatonna, MN	1:21:19
	Tatyana Schmidt	Faribault, MN	
2	David Folland	Northfield, MN	1:23:56
	Nancy Sommers	Dundas, MN	
3	Jason Buryska	Owatonna, MN	1:24:17
	Sandy Wegner	Faribault, MN	

4	Diana Dickman	Cashton, WI	1:24:36
	Jay Thurston	Melrose, WI	
5	Ann Knuti	Minnetonka, MN	1:24:55
	Dick Mulkern	Eden Prairie, MN	
6	Ellie Villwock	Faribault, MN	1:26:08
	Steve Janky	Faribault, MN	
7	Heidi Roosmalen	Bloomington, MN	1:33:52
	Neil Zimmerman	Bloomington, MN	
8	Tom Jensen	Faribault, MN	1:40:40
	Heidi Villwock	Faribault, MN	

CLASS V--C-1 WOMENS

Place	Name		Time
1	Jenny Rudquist	Grand Rapids, MN	1:10:48
2	Maren Hagen	Grand Rapids, Mn	1:25:20

CLASS VI--C-2 MENS

Place	Name		Time
1	Bruce Barton	Homer, MI	1:02:52
2	Calvin Hassel	Grand Island, NB	1:03:52
3	Al Rudquist	Grand Rapids, MN	1:05:54
4	Cary Bush	Bloomington, MN	1:08:01
5	Scott Nesvold	Faribault, MN	1:08:34
6	Dave Gabrielson	Scandia, MN	1:14:43
7	Bill Barnes	EauClaire, WI	1:17:58

CLASS VII--MIXED COUPLES RACING

Place	Name		Time
1	Joe Manns	Roseville, MI	1:07:12
	Anne Rudquist	St. Paul, MN	
2	Jeff DuBois	Cottage Grove, MN	1:11:20
	Pam Henry	St. Paul, MN	
3	George Hassel	Grand Island, NB	1:12:12
	Waunetta Hassel	Grand Island, NB	
4	Darlene Oeklke	Woodbury, MN	1:15:18
	Ron Deters	River Falls, WI	
5	Sharee Marcus	Minneapolis, MN	1:16:15
	Mike Hoppe	Minneapolis, Mn	
6	Julie Rams	River Falls, WI	1:24:53
	Tom Ellerbusch	River Falls, WI	

CLASS VIII--WOMENS STANDARD

Place	Name		Time
1	Nancy Sommers	Dundas, MN	2:22:57
	Cindy Roosmalen	Faribault, MN	
2	Lisa Gregerson	Northfield, MN	2:25:57
	Lynn Fliegel	Dundas, MN	

CLASS IX--MENS STANDARD

Place	Name		Time
1	Barry Becker	Northfield, MN	2:08:57
	Greg Sumner	Dundas, MN	
2	Tommy Cramer	Rock Rapids, IA	2:11:42
	Ted Cramer	Rock Rapids, IA	
3	Ed Brasseaur	Faribault, MN	2:15:34
	Troy Steinbaure	Faribault, Mn	
4	Bruce (Buck) Sanborn	Faribault, MN	2:21:29
	Jerry Roosmalen	Faribault, MN	
5	David Hinchley	Faribault, Mn	2:23:29
	Sandra Wegner	Faribault, MN	
6	Bob Bliss	Faribault, MN	2:37:29
	Mike Grinney	Faribault, MN	
7	Jim Verner	Faribault, MN	2:55:47
	Mike Anderst	Faribault, MN	

RACING NEWS CONTINUED ON NEXT PAGE

RACING NEWS CONTINUED FROM PREVIOUS PAGE

CLASS X--WOMENS RACING

Place	Name		Time
1	Jenny Rudquist	Grand Rapids, MN	1:57:09
	Maren Hagen	Grand Rapids, MN	
2	Linda Bauer	EauClaire, WI	2:01:44
	Anitta Hedrick	EauClaire, WI	
3	Pam Henry	St. Paul, MN	2:04:51
	Anne Rudquist	St. Paul, MN	

CLASS XI--OPEN RACING

Place	Name		Time
1	Al Rudquist	Grand Rapids, MN	1:36:02
	Bruce Barton	Homer, MI	
2	Cary Bush	Bloomington, MN	1:39:27
	Reggie Clark	Minneapolis, MN	
3	Al DuBois	Cottage Grove, MN	1:41:30
	Jeff DuBois	Cottage Grove, MN	
4	Calvin Hassel	Grand Island, NB	1:43:00
	Joe Manns	Roseville, MN	
5	Scott Ankeny	Blue Earth, MN	1:45:49
	Steve Yurista	Minneapolis, MN	
6	Scott Nesvold	Faribault, MN	1:47:10
	Ron Deters	River Falls, WI	
7	Chris Colas	Vadnais Hts, MN	---------
	Peter Colas	Vadnais Hts, MN	

HOIGAARD'S 6TH ANNUAL CANOE DERBY

Hoigaard's 6th annual Canoe Derby begins on Thursday evening, June 2nd and continues every Thursday for 10 weeks through August 4th. Races begin in the southwest corner of Lake Calhoun at 6:45 P.M. (registration starts at 5:30) and classes are included for all ability levels. Call Hoigaard's at 929-1351 for more information.--**James Lind**

DULUTH TRAVELER



NEWSLETTER OF THE TWIN PORTS CHAPTER
President: Tim Sundquist, (218) 724-4143
Cruising: Gardner Ellis, (218) 728-5304
Whitewater: Rick Luck, (218) 724-7992
Racing: David Spencer: (218) 624-3413
Membership & Treasurer: Greg Furtman, (218) 525-6027

June 3, 4, 5--North Country Canoe Weekend. Lake Nabagamon, WI. Full details were in May **HUT!**.

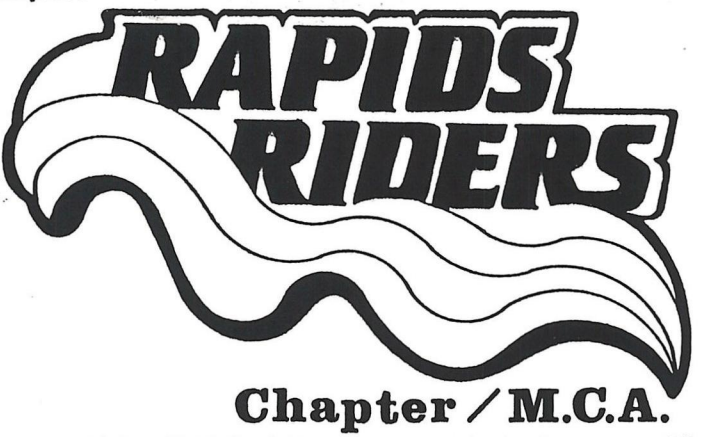
June 11--Grandma's Getaway. Whitewater I-II. At least one person in each canoe should be capable of paddling this rating. This trip is for those of you who would rather be paddling than running, or watching someone run. We will be paddling the beautiful White River near Ashland, WI. Meet at the Superior Perkins at 8:30 a.m. Reservations required at least 3 days in advance. FMI call Greg Furtman at (218)525-6027.

June 16--General Membership Meeting. Meet at the boat ramp at the end of Park Point at 7:00 p.m. Bring your canoe. Everyone welcome! FMI call Gardner Ellis at (218)728-5304.

June 25--Clam River Discovery. Class B. Spend a day exploring the little known Clam River in Wisconsin. The river is slow and secluded with wild shorelines. Occasional portages around fallen trees can be expected. Make reservations at least 3 days in advance. FMI call Fred Freeman at (218)525-6486.

June 26--The Urban Canoe Adventure. Class A. Take a morning paddle to the Quality Inn for breakfast. Then canoe to the Whaleback for a historic tour. End up the trip with a stroll through the Park Point Art Fair. Meet at the Rowing Club at 8:00 a.m. FMI call Gardner Ellis at (218)728-5304.

If a trip calls for reservations, please call the trip leader in advance by at least three days, and let him/her know if you are going. This will help with planning and logistics and make possible any last minute changes. Also know that none of the trip leaders are professional guides or receive money for leading trips. Your safety is your responsibility, and you are liable for yourself. Don't overestimate your skills or equipment, or underestimate the rivers or lakes. If you have any questions, concerns, or a need for safety equipment, please ask someone. And have a good time paddling!--**Tim Sundquist**



Chapter / M.C.A.

NEWSLETTER OF THE WHITEWATER CANOE AND KAYAK CHAPTER
President: Sue Hix, (612) 422-9155
Vice President: Ed Schneider, (612) 487-1811
Secretary/Treasurer: Scott Cruse, (612) 379-4931
Membership: Jeff Grigsby, (612) 636-4373
Cruise Directors: Bonni van Blarcom, (612) 646-1496
Gary Nagel, (612) 487-2079

WHITEWATER RACING CALENDAR ON PAGE 42

Question: With the nearest "real" whitewater river at least 2 hours from the Twin Cities, what is the enthusiastic Rapids Riders member to do to control his/her whitewater passions during the week??

Answer #1: That's a good question!

Answer #2: Try Taylor's Falls!

A core group of Rapids Riders members would like to establish an informal permanent date on Wednesday evenings during the summer months to challenge the rapids at Taylors' Falls. The water level on the St. Croix there is about as reliable as water levels can be; that is to say, there's almost always enough water to paddle. The rapids

TWIN PORTS CHAPTER NEWS CONTINUED ON PAGE 40

may vary from Class II to as high as Class III in high water, so there's fun to be had a lot closer to home than Banning State Park.

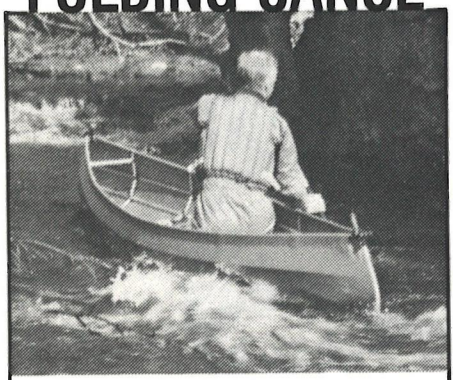
Grab a paddling pal, tie down your boats, and head north after work on Wednesdays. Although the club can't guarantee who or how many may be at the Falls any given Wednesday, we'd like to hope that you can count on seeing fellow whitewater addicts, weather permitting.

If Wednesdays conflict with your work or social calendar, keep Rapids Riders cruises in mind for summer week-ends. Call our "Hotline" (612) 487-1811 for current water level and cruise information.

See you on the river!

--Sue Hix, President
--Ed Schneider, Vice-President

FOLDING CANOE



NEW! NEW! NEW!
13½' PAK•CANOE

- Weighs just 33 lbs. (350 lb. capacity)
- Good Speed and Tracking
- Good Whitewater Performance
- Packs into One Bag
- Ideal for Wilderness Treks
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Lightest Weight Paddle in Canoeing!



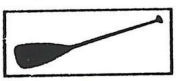
High strength 14° carbon fiber canoe paddles combine light weight and durability. Stiff and sleek, they permit swift, clean entry and exit.

That means less paddling fatigue.

Choice of two grips and two blade styles.

Several models available for racing, whitewater and recreation.

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MINNESOTA 1988 RACE CALENDAR -- JUNE 1988

DATE	RIVER/LAKE	COMMUNITY	EVENT	CONTACT
6/4	Cannon River	Waterville, MN	Dam Days Race	Mike Kratt (507) 334-2413
6/5	Straight River	Medford, MN	Straight River Days	Jerry Kay (507) 451-3760
6/12	Des Moines River	Windom, MN	Windom River Fest	Mike Homack (507) 831-1322
7/10	Mississippi River	Saint Paul, MN	Riverfest	Lynn Waldorf (612) 292-7400
7/17	St. Louis River	Duluth, MN	Gitche Gumee Canoe Classic	Scott Neustel (218) 724-8525
8/20-8/22			USCA Nationals	No further info at this time.
9/3-3/5	**********	Labor Day Weekend	**********	
9/10	Mississippi River	Coon Rapids, MN	Mississippi Classic	Betty Ketter (612) 561-2208
5/18,25 6/1,8, 8/10, 9/7 Weds	Lake Phalen	St. Paul, MN	Lake Phalen Race Series Race 6:10 p.m.	Bob Hollerbach (612) 771-7507 Lynn Waldorf (612) 292-7023
6/2- 8/4	Lake Calhoun Thursdays	Minneapolis, MN	Hoigaards Race Series Reg. 6:00 p.m. Race 6:45	Jim Lind at Hoigaard's (612) 929-1351

LAKE PHALEN RACE SERIES

A request for last year's Lake Phalen Race Series participants:

The organizers are missing many of the timing sheets for the individuals that raced. It is assumed that the racers unknowingly walked off with the only good record of their performances. The return of the forms is desired so that overall results can be published. Please contact Lynn Waldorf at (612) 292-7023 or Bob Hollerbach at (6129 771-7507.

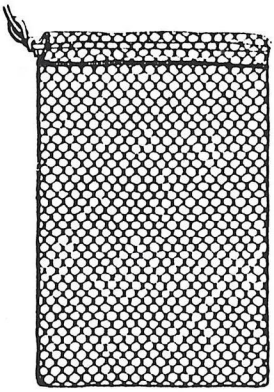
1988 MIDWEST WHITEWATER RACING SCHEDULE

Quite a schedule this year. All of the listed events are ACA National Slalom & Wildwater Committee (NSWC) sanctioned and include some revisions to past events, and some new ones to boot. The Mid-America Series has been shortened to a 3 race/3 site format to accommodate combining the Pan-Am Cup and the World Cup with this event. The World Cup is a new event similar to skiing's World's Cup. There will be four races in North America and four in Europe that will attract some of the top paddlers in the world. The whitewater sprint race is also new. This race consists of a 600+ yard sprint down a whitewater course without gates. These are both guaranteed to be exciting events! We saw a number of MCA/Rapids Riders members involved in last year's races, and hope to see a whole lot more this year. If you aren't interested in racing yourself, come on out and cheer on those who do race. Even better yet, volunteer to do any of the multitude of tasks that are required to run a race. PEOPLE TO CONTACT: Rapids Riders - Ed Schneider 612/487-1811; NSWC - Bob Schuetzler 612/722-2875, Randy Carlson 218/726-7169 or 727-2309, Barb Schneider 715/845-6784.

DATE	EVENT	TYPE	LEVEL	LOCATION
APR 23-24	Div. Championships U.S. Team Trials	Wildwater	3	Peshtigo R, WI
APR 23-24	Spring Wolf	Slalom	1-3	Wolf River, WI
APR 30-5/1	U.S. Team Trials	Slalom	3	South Bend, IN
MAY 7-8	Apple River	Slalom	1-3	Somerset, WI
JUN 11-12	Mid-America Series #1	Slalom	2+-3	Carlton, MN
JUN 18	Mid-America Series #2	Slalom	2+-3	Wausau, WI
JUN 19	Pan-American Cup #1 World Cup #1	Slalom	4	Wausau, WI
JUN 21-36	Pre Worlds	Slalom/Wild	4	Maryland
JUN 26	World Cup #2	Slalom	4	Maryland
JUL 1-2	Pan-American Cup #2	Wildwater	4	Hurly, MN
JUL 3	Mid-America Cup #3	Slalom	2+-3	South Bend, IN
JUL 4	World Cup #4	Slalom	4	South Bend, IN
AUG 13	Whitewater Sprint Race	Sprint Race	1-3	Wausau, WI
AUG 13-14	Summer Slalom	Slalom	1-3	Wausau, WI
AUG 20	Division Championship	Wild Sprint	1-3	South Bend, IN
AUG 21	Division Championship	Slalom	1-3	South Bend, IN
SEP 3	National Jun/Sen/Mas	Slalom	2-3	Wausau, WI
SEP 4	Nationals	Slalom	2-3	Wausau, WI
SEP 10-11	Saint Croix	Slalom	1-2-3	Taylors Falls
SEP 24-25	Last Ditch	Slalom	1-2-3	Wolf River, WI
OCT 1-2	One Last Time	Slalom	1-2-3	South Bend, IN

SKILL LEVEL KEY: 1=Beginner, 2=Intermediate, 3=Expert, 4=National Team

~ LITE-ANCHOR. ~



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Anyone who has tried tying a rope to a rock to use for an anchor knows how frustrating it can be! LITE-ANCHOR is a super strong, rot resistant nylon mesh bag that combined with 20 ft of parachute cord, (included) weighs under 2 ozs. It's not only light, but small enough to roll up and tuck in your shirt pocket, yet will easily hold 7 lbs. of rock up to 4 in. dia.

LITE-ANCHOR comes in BLUE, RED, YELLOW, or GREEN. State preference.

$5.99 + 65¢ Postage & Handling
(Minnesota residents add 6% tax)

Send check or Money Order to:

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P.O. Box 206
Farmington, MN 55024

"If not completely satisified, return within 30 days for full refund."

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- Special rolling clinics for kayak & sea kayak paddlers.
- Rentals, shuttles, local river information and other services.
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TRADING POST

Free personal ads to MCA members

****

TRADING POST ITEMS WILL BE RUN FOR TWO MONTHS
UNLESS RENEWED OR CANCELED PRECEDING PUBLICATION
****

FOR FASTEST SERVICE IN GETTING YOUR AD IN **HUT!**
SEND IT DIRECTLY TO THE EDITOR AT HIS HOME ADDRESS
****

WANTED:

USED ROYALEX CANOE, prefer Mad River Explorer but interested in anything. Also need air bags. Call Mary, (612)623-8370 (h), (612)342-1247 (w).

NEED INFORMATION ON MANUFACTURERS/DEALERS IN SQUARE STERN "FREIGHTER CANOES." By freighter canoe I mean: large capacity, 1000 pounds; wide beams, 49"; and deep hulls, 18" or more. Write to David McKendree, Rd 2 Paris Rd. Clinton, New York 13323.

AFFORDABLE HOUSING. I am transferring to UMD next year and need to rent a quiet room or studio in Duluth or vicinity. Joelle Nystrom, 519 Inca Lane, New Brighton, MN. 55112, (612) 633-6940 (8-10 p.m. weekdays).

HIDDE WOOD PADDLE, either 50", 51", or 52", preferably a 51". Call Maura at (612) 739-5006 (H) or (612) 828-9663.

INTERESTED IN PURCHASING OR RENTING A RACING CANOE (e.g. USCA 18 1/2' cruiser or proboat) for Border-to-Border Triathlon in August. Also looking for bent shaft paddles 47" to 49" for reasonable price. Call Glenn at (612) 779-2798 (W) or (612) 489-1221 (H).

FIBERGLASS OR ALUMINUM CANOE. Suitable for ramming rocks, bridges, canoes, large muskies, mermaids, etc. Call (612)490-0261.

SOLO CANOE, any material. Call (612)490-0261.

ROYALEX WHITEWATER CANOE around $300. Call Pete Jessen-Howard at (612) 942-0408.

VOLUNTEERS in corrections to work with boys aged 13-17 at Boys Totem Town in the Battle Creek area of St. Paul. Opportunities include day and weekend canoe trips as well as building cedar strip canoes. Contact Pete Jessen-Howard at (612) 942-0408 for more details.

ROOMMATE M/F non-smoker 22+ years to share big 3br house with 2 others. 2 baths, W/D $225 + 1/3 util. 40th St. and 46th Ave. So. Call Craig at (612) 729-1863, late AM.

FOR SALE:

MCA EXPLORER 18-1/2' 64 lbs. Immaculate condition, used twice. $800. Call Steve, (612)757-1212.

BLUE HOLE SUNBURST. With saddle, straps, tie downs, etc. $400. Dudley, (507) 645-6390.

PETERSON PRO-BOAT. Crozier built. Two years old, good condition. $800. Tony or Kathy, (612)781-3017

J-180 SOLO RACER. Kevlar, good condition. $600 or best offer. Tony or Kathy, (612)781-3017

WENONAH JENSEN 16' Kevlar solo canoe. Older model in good condition. $350. Call Bill at (612) 433-3451.

SAWYER SUMMERSONG Solo canoe, Golden Glass, very good condition; $475. or best offer. Call Lou at (612) 778-0165 or (612) 778-9408.

OLD TOWN GUIDE, 15', decent shape but needs refinishing. Call, take a look and make an offer. Jim (612) 497-2819 (H) or (612) 566-0180 (W).

YAKIMA RACK for car with rain gutters. Includes crossbars and towers. Excellent condition--used less than 15 times since purchased in 1987. $55.00 including Yakima wrench and mounting instructions. Call Anne, (612) 823-6068.

17' KOOTENAY FORMS AND STRONGBACK $100. Call Eldon at (612) 435-2411.

PHOENIX SEEWUN solo decked whitewater canoe. 13 feet with foam pedestal and pillars, thigh straps and spray skirt. No leaks, large volume 40 lbs. $150. Bek (612) 929-9454 or (612) 623-3170.

MIRAGE KAYAK with plastic pillars, leaky. $50. Bek (612) 929-9454 or (612) 623-3170.

REDWOOD STRIPS, STRONG BACK AND FORMS for 16' Guide model. Fancy 1-1/2" strip ready to install. All for $75. Call Ralph, (507) 354-3446.

BLUE DANCER, $450; Perception Dihedral Paddle 208 cm. $80; Perception Deluxe Sprayskirt, $35; Pro-Tec Helmet, medium, $25; Delta Maxi full length P.F.D., $45. All items are, used not abused. For more information, call Waid at (612) 872-6871.

YAKIMA RACK for car with rain gutters. Includes 48" crossbars, towers and canoe brackets. New in May '87 but won't fit on current vehicle. Like new. Only $75, save $25 off new price. Call Judi Sand at (612) 448-7304 (evenings).

17' C.S. SOLO CANOE. Good training boat. $400 call Doug at (612)743-3403.

1977 CHEVY VAN, 59,000 mi., good shape, one owner, ready for spring boating. Three roof racks with kayak stackers included. $2,000. Lee Potzler (507) 388-2708.

DORY--16'. Lew Miller built. Call Bob at (612) 432-7557

OLD TOWN CANADIENNE. 16' fiberglass, green. Caned seats, padded yoke. Excellent condition--used only one season. Gel coat repair kit included. $525. Doug Berg, (612)474-7706(h), (612)470-3574(w).

HYDRA TAURUS KAYAK with spray skirt. Used twice, excellent condition. Best reasonable offer. Call Dave at (612) 786-3281.

****

TRADING POST ITEMS MUST BE RECEIVED NO LATER
THAN THE 15TH OF THE MONTH PRECEDING PUBLICATION

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BUILDING SUPPLIES

For Sale: MCA resin and fiberglass cloth. Polyester resin with catalyst and wax (if required) is $13.00 per gallon. Four oz. cloth, 50" wide is $3.00 per yard; 7-1/2 oz. cloth, 60" wide, is $4.25 per yard. Six oz. cloth, 60" wide, is available only from the Eagan and Apple Valley depots at $4.10 per yard.

West System Epoxy is available only from special depots. Consult your future **HUT!** for depot locations.

Rules for Purchase: Call ahead and schedule pick-up time. Payment must be by check or money order to: Minnesota Canoe Association. **No cash. Sales to MCA members only.**

Depots:	Betty Ketter	561-2208	North Minneapolis
	Bruce Kunz	452-3897	Eagan

ORDER FORM--Stickers/Patches/T-shirts (Sales to Members only)

Make check (U.S. funds) payable to: **Minnesota Canoe Association.** Send order form to: Verna Robinson, Minnesota Canoe Association, 4421 36th Ave. No., Crystal, MN 55422.

Stickers--Blue MCA logo on a white reflective background, great for canoe or car. $1.00 each.
Sew-On Patches--MCA logo. Gold paddles/silver canoe, $2.00 each.
T-Shirts--50/50 blend. $5.00 each, plus $1.50 mailing per order.

Adult sizes: S, M, L, XL.
- Light blue shirt with navy blue MCA logo.
- Green shirt with white MCA logo.
- Red shirt with white MCA logo.
- Grey shirt with navy blue MCA logo.
- Dark blue shirt with white MCA logo.

Children's sizes: C-S (6-8), C-M (10-12), C-L (14-16)
- Grey with a Navy Blue logo
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- Navy Blue with a White logo (no large)

To order: Fill in name and address below. Indicate quantity desired for each item. State second color choice for shirts if acceptable.

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Description	Color (1st)	(2nd) choice	Size	How many	Amount
		Mailing (shirt orders only)			1.50
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MINNESOTA CANOE ASSOCIATION MEMBERSHIP FORM

Make check payable (U.S. funds) to: **Minnesota Canoe Association,**
Send to: Membership Director, Minnesota Canoe Association,
P.O. Box 13567, Dinkytown Station, Minneapolis, MN 55414

I am joining the MCA as a [ ] New [ ] Renewal member. Please check:

[ ] Regular Member--1 yr. $10 [ ] Supportive Member--1 yr. $ 25

[ ] Regular Member--2 yr. $19 [ ] Life Member $100

[ ] Regular Member--3 yr. $27 Fill in name, address and phone no.:

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[ ] If you're moving, check here and fill in your new address above. Include your **HUT!** mailing label for proper handling.
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Canoe Building Plans, (SALES TO MCA MEMBERS ONLY)

Make check (U.S. funds) payable to: **Minnesota Canoe Association.** Send with plan order form to: Bob Brown, Canoe Plans, 12936 Galaxie Ave., Apple Valley, MN 55124

Name:_____

Address:_____

City:_____ State:_____ Zip:_____

[ ] THE CANOE BUILDING BOOK--$15.00 ($12.50 plus $2.50 shipping).

Canoe Plans $5.00 each

Tandem Canoes

[ ] Explorer/Guide
[ ] BWCA Cruiser
[ ] Osprey (Zapf)
[ ] 17' Kootenay (Kunz)

Solo Canoes

[ ] 15'6" Pirate (Brown)
[ ] 15'6" Kootenay (Kunz)
[ ] 16'6" Tri-III racer (Brown)

Racing Canoes

[ ] 18'6" 3&27 (Ketter)
[ ] 18'6" 4&32 (Burley)

Kayaks

[ ] Griffin II Touring Kayak
[ ] 18' Sea Kayak (Wilson)

The Big Ones

[ ] 22' Family Canoe (The cost of this plan is $10)
[ ] 30' Voyageur Canoe (The cost of this plan is $25)

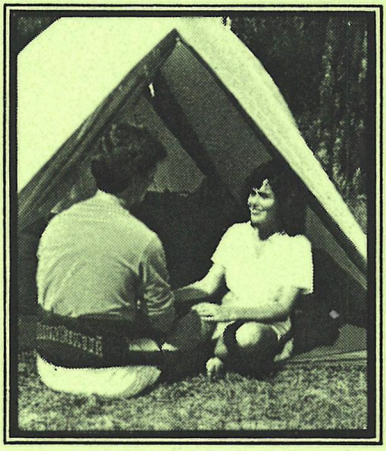
[ ] Free leaflet describing canoes (**Enclose self-addressed, stamped, business size envelope**).

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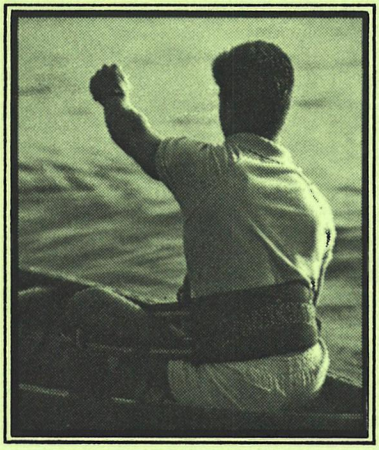
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