

MINNESOTA CANOE ASSOCIATION

FEBRUARY 1978

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"HUT" is the signal said by one canoer to his partner in order that both paddlers may switch sides in unison. This practice was originated by canoe racers of Minnesota in the late 1940's with the word "HUT" first used by Eugene Jensen, who still builds and races canoes. This swift and distinctive style of paddling has since been recognized as the most effective way to move a canoe by both recreational and racing paddlers.

HUT Magazine is published monthly by the Minnesota Canoe Association, Inc., a non-profit organization, and is distributed to more than 1500 members and numerous friends of the MCA across the nation. Our purpose is to distribute information about canoe sports and canoe camping, to preserve and promote wild rivers, to effect conservation of canoeable waterways, and to encourage canoeing as family recreation.

Statement of Policy: The Minnesota Canoe Association, Inc., cannot assume responsibility for the accuracy of the material presented by authors of the articles in the magazine. The pages of HUT! are offered as a clearing house of information and a forum for exchange of opinions, experiences, and ideas. The individual reader must evaluate this material for himself and use it as he sees fit. Every effort is made to present material of wide interest that will be of help to the majority.

Pictures (glossies), cartoons, art work, announcements, letters, and articles of all kinds which serve to promote the purposes of the MCA are cordially invited. Contributions should be typewritten, preferably double-spaced, and should be in the hands of the editor by the 15th DAY OF THE PREVIOUS MONTH. Contributions cannot be acknowledged and will be returned – usually within eight weeks – ONLY when requested and accompanied by a stamped, self-addressed envelope.

Editing, layout, and production
by Lew Miller
7500 Lake Drive
Lino Lakes, MN
612-784-7667

THE EDITOR SAYS –

I'm especially interested in articles that describe a trip on one of our midwestern lakes or rivers; a first person piece on what it's like to be a part of a big race or competition; a close personal description of one of the lesser known streams or lake chains in Minnesota, Wisconsin, or Canada.

Articles that include photos or art work will receive special attention.

I also have a special need for photos of good quality for the cover – photos selected are worth a $2.00 bill to their takers.

L.M.

Front Cover Art by Larry Johns.

THE PRESIDENTS SPACE

I hear that the people in Northern Minnesota are going to fight to use the Boundary Waters Canoe Area any way they want because it is theirs and they can do what they damn well please. I have a name for these people: "the elitist few." Sounds familiar doesn't it? When a few thousand try to suppress the rights and desires of millions something has to be done!

B.W.C.A. defense funds need more money. If you can't donate money then give time. Conservation director Brian Patterson can use your help. Remember, Minnesota is not outboard motors and snowmobiles only. Minnesota is canoes too. Unless you don't care.

SATURDAY, MARCH 4

Open canoe and kayak demonstration at Apple Valley School Pool 7:30 to 9:30 P.M.

CALENDAR OF EVENTS

WEDNESDAY, JANUARY 25.

Cascaders general meeting, at Logan Park, 7 p.m. sharp. Emphasis will be on Cross Country Skiing. Super spectacular movie is promised by Dan Murphy. Talk and slides by the St. Paul Nordic Ski Jumping Club.

SUNDAY, FEBRUARY 5.

First cruise of the 1978 season "The Voyageurs Icebreaker Invitational" on the Mississippi at U of M boat landing beginning at 2:00.

WEDNESDAY, FEBRUARY 8.

MCA Board Meeting

FRIDAY – SUNDAY, FEBRUARY 10–12

Canoe Builders Show and display at Ridgedale

The show needs builders, people to visit with the crowds and sell memberships, many different canoes, kayaks and equipment. If you want to help - or bring a boat call:

Bob 432-7557	or	Tom 633-9323
John 721-3806	or	Lew 784-7667

WEDNESDAY, FEBRUARY 22

Sierra Club and MCA co-sponsor a program on the South Nahanni River – slides and presentation by Katie Knopke and Cristy Buetow. At Wood Lake Nature Center, 735 Lake Shore Drive, 67th and Lyndale, 7:30. Everyone attending is asked to bring fifty cents. Note change of place!

WEDNESDAY, MARCH 22

Activities Meeting at Logan Park Community Center at 7:30. Cascaders will be presenting action whitewater films and much, much more.

February 10, 11, 12
Friday, Saturday, Sunday

CANOE BUILDERS SHOW

RIDGEDALE SHOPPING CENTER

mississippi mud

Marathon Racing

The marathon racing chapter is snugly beneath the snow in hibernation. So snug is the sleep it is not certain if the chapter will emerge in the spring. The old racers will break ice in April, and the usual racer will be held again in '78. What is uncertain is whether or not the paddlers, race organizers, and equipment makers and sellers will realize the need for an active statewide racing organization. All such an organization requires is the interest and cooperation of those who race canoes. If these people see each other or make a few phone calls this winter, a better sport will awaken this spring.

For the time being, records will be kept by Dick and John Glenn (612-537-0039). Last years Mike Bohanon (612-522-0858) will sit by the patient's side and wait for your call. If racers reply with suggestions or concern, a meeting could be arranged. Until then, a couple of us will attenpt to relay what race-related information we have here in Mississippi Mud each month. We will deliberately do a rotten job so each of you will have to contribute in order to make corrections.

Movements:

Kenn and Mary Jo Ketter are now residents of "Nordeast" Minneapolis. Kenn is a graduate student in Recreational Therapy at the University of Minnesota. After three years in Montana, Kenn must shed twenty pounds to return to his former international racing form. Kenn is experienced in bow and stern and a good candidate for partner roulette.

George and Beth Arimond moved north to Bemidji, Minnesota,where George is working on a graduate degree in recreation. He has written a paper on the body movement of canoe racers. Hope he'll pass on any secrets he uncovered in the 16 mm film of Buzz, Steve, Jeff, and Gene filmed during the first frost at Hamm Lake.

Gene Jensen intends to spend this winter in Orlando, Florida, getting a tan and maybe building a canoe or two.

John and Jeanette Lee and their two sons are living neat Anoka since moving from British Columbia. John brought log home building with him from British Columbia. He and Steve, Buzz and Clint have been building an 80 foot long log home at 79th & West River Road this past fall. It's a nice structure with good lines but won't come up in shallow water. When completed, it will be disassembled and moved to Spring Park.

Joe Conrad is thinking about moving back to St. Paul from his hiatus at River Falls, Wisconsin.

Building:

If you know of anyone building racing canoes, let's hear about it!

Larry Johns finished a 3/27 Ketter/Bohanon ('77) design in October and won numerous awards with it at the MCA Annual Builder's Contest. Larry used epoxy resin and the completed boat weight was about 43 lbs. His strong back went to Merritt Henry of Chaska who respaced the forms and performed woodworking magic.

Karl Ketter and Mike Bohanon sold their hull at the finish line in Shawinigan, Quebec, and must build again this winter. Jensen also sold his kevlar-hexell 25 pounder, and rumor has it that Corbin wants more of them.

Joe Conrad last spring said he was interested in seeing a 21'3" 3/27 experimental canoe. He hinted that he would be willing to finance the materials if a decent builder was interested.

Equipment:

Betty Ketter makes covers for racing canoes. She has basic designs but will do custom fitting if she has (a) the canoe, and (b) the paddlers, or models of equal midsection girth.

Racers will be designing and drawing canoes at the Febuary Builders Show at Ridgedale. All racers are asked to attend to help or learn. Call Chris Berne (612-929-5714) or Karl Ketter (612-636 8116). We will help you draw your secret weapon.

What will Jerry Hidde be storing in his new building on his property in Elk River?

NEW BWCA RESERVATION SYSTEM

Permits for entering the Boundary Waters Canoe Area (BWCA) next summer can be reserved starting January 1, 1978. Reservations will be accepted at the District Ranger Stations located in Grand Marais, Ely, Cook, Tifte, and Isabella, Minnesota.

The most significant change this year, according to Robert Rehfeld, Superior National Forest Supervisor, is going to the 100 percent long-term reservation system. During 1977, only 25 percent of the permits were available by advanced reservations. The remaining permits were available 48 hrs in advance of the trip. This system disappointed many visistors who came to the area expecting to obtain a permit. On several occasions people waited in line throughout the night for permits. Unused long-term reservations will be made available on a first come,first served basis up to and including the day of the trip.

The 1978 Visitor Distribution Program begins on May 11 and ends on September 4. The program will limit entry permits for overnight users beginning with opening of the fishing season. "This weekend and Memorial Day weekend have always been the busiest period of the year," Rehfeld said. "Based on actual entries in the past year, the entry quotes will not accommodate all groups wishing to enter the BWCA on these two weekends. We urge all groups considering a trip to make early reservations. Visitors unable to obtain a permit may select lakes and canoe routes outside the BWCA," Rehfeld said.

A REACTION TO THE BWCA VISITOR DISTRIBUTION SYSTEM

Dear Editor:

Three years ago the Forest Service put a permit system into effect in the BWCA. Last year they went a step further and drug out of the closet, a "guide fee/use regulation" which, if uniformly enforced, would have made it impossible for groups like Scouts, Schools, and Churches, to use the area.

This year, they've "improved" the visitor distribution system. Now travel permits are available only by mail—on a long term basis. The "short term" permit is dead. With a thoughtless swipe of its hairy paw, the woodland feds have taken the largest body of wilderness east of the Rocky Mountains, out of the hands of the people.

I see it like this: During the summer months I'm a professional canoe guide. I usually guide three groups—about five weeks work. To stay in business, I'll meet every regulation. Even a January 1 permit deadline if need be. I'll get insurance release forms, put stickers on my canoe, and smile at Smokey bear to get a permit. I have to; it means nearly $3000 to me. A lot of others are in the same boat: schools, churches, Scouts, and the professional outfitters who serve the BWCA. These groups will all remain alert to the latest bit of bureauocracy and will comply.

But what about John Q. Public who owns his own canoe and outfit; who wants to just paddle around and camp out for a few days? Will he get a permit next summer? Possibly not. Under the new "long term only" permit system, it's highly likely that all entry points will be boxed up by groups, pros, and outfitters by mid March. The " I can't plan ahead" paddler had best consider a local river float. The BWCA has been closed to casual use!

Personally, I think restricted usage of wilderness areas is a good idea—but not the way the Forest Service proposes. I favor some sort of competency system; maybe a "blue", "yellow", "green" permit system.

BLUE: Just apply—this permit lets you camp in any State Park. A few simple questions must be answered to obtain this permit; like where do you dump trash and what about making loud noises, etc.

YELLOW: Permits you to camp in primitive areas where there are box latrines and fire grates, but you'll have to know something about wilderness use and abuse. Maybe view a short film, read a "driving-type" manual on wilderness ethics, and take a short quiz showing you know how not to be an eco-slob.

GREEN: The elite permit. Indicates wilderness competency—real woodsman or woodswoman-ship. Only those who live and breathe wilderness need apply. The exam is stiff. But, allows you to camp anywhere in the United States (on public land); no fire-grates, box latrines, or whatever. Green permit holders leave no trace of their passing; like a fish through water or a bird through air!

I can see all sorts of horrors associated with my three pronged proposal. But it might be an improvement on the mass management mess that is currently being perpetrated in the name of a BWCA "visitor distribution" system.

Cliff Jacobson

THE MOST UNUSUAL BLACKSMITH SHOP IN THE U.S.

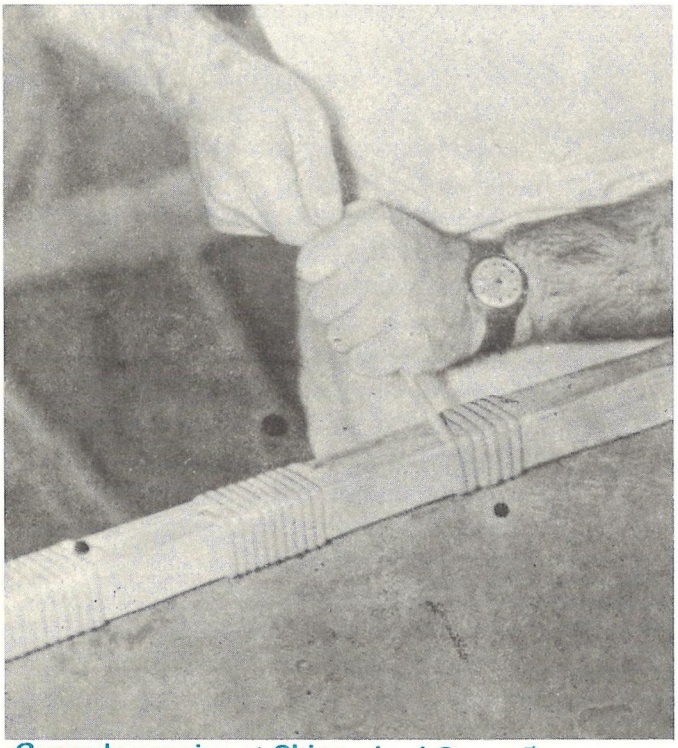
CHICAGOLAND CANOE BASE

4019 N. Narragansett
Chicago, IL 60634 312-777-1489

by Lew Miller

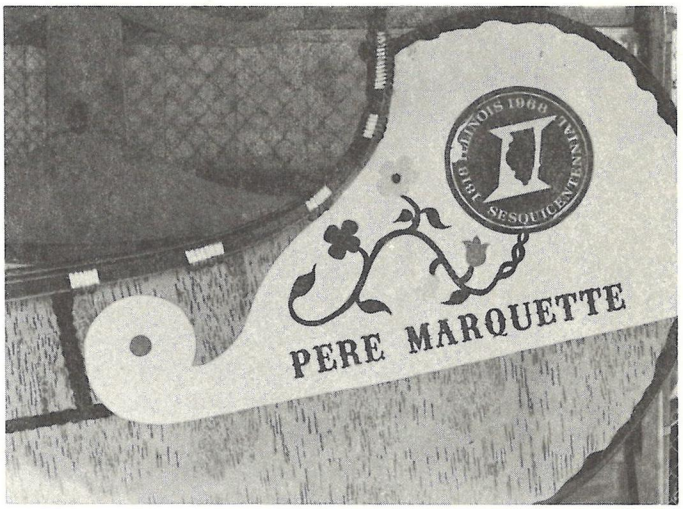
I first met Ralph on Labor Day Weekend when Jim Jahnke and I paddled our solo canoes upstream above Taylors Falls to meet a group of Frese built voyageur canoes coming down. We helped them do the portage (by trailer of course because his "glass" boats are much heavier than our 30 foot stripper) and sat around the fire. Next morning I joined the crew of a 36 foot canoe, paddled up into the rapids under the bridge, then down to O'Brien State Park. Ralph's parting words were "Come and see me at the shop." So I did.

If you ever get near Chicago stop for an hour at the Chicagoland Canoe Base. Of course if you don't like to talk canoing, select reading material, price several canoes, watch a craftsman create a fiberglass birch bark, craft, or buy something to make your sport safer or easier then you can forget the stop.



Gunwale wraping at Chicagoland Canoe Base
Photo by Dean Miller

Advertisments for Chicagoland Canoe Base include the phrase "the most unusual canoe shop in the U.S." blazened above a canoe laden horse drawn cart. If you're lucky, as we were when we visited in September, Ralph Frese will have welding tools in hand, fingers clad in thick leather gloves, welders hood snug on his head doing the trade of his father. But the place really ought to be called the most unusual blacksmith shop in the world, because evidence of the reason Ralph Frese is called "Mr. Canoe" is everywhere.



Bow Detail of Frese Montreal Canoe
Photo by Karl N. Ketter

While we were there Piere Schwarb of Switzerland came by for a visit. Piere had purchased a canoe from Ralph in the spring, waved good-bye at a Chicago beach saying that he was headed North for the summer. He ended up in New Orleans because "it seemed like a good idea at the time." A sign in the shop reads "not responsible for any strange acquaintences made while in this place."

Chicagoland Canoe Base is a nice place to visit!



Ralph Frese and Piere Schwarb
Photo by Dean Miller

COOKING FREEZE–DRIED FOODS
A PLAN FOR ALL SEASONS

by Cliff Jacobson

Freeze-dried (and dehydrated) foods are fickle. Prepare 'em according to directions one day and they're great. Repeat the procedure another time and . . . ugh!

Take heart, here's a foolproof cooking method that works regardless of the weather, the Zodiac, or a cranky stove.

Step 1

Read the cooking directions but don't take them seriously. What works at home on the range often fails on a flat rock in a norwester.

Step 2

Separate the component parts of the food. There are usually two parts: 1) a meat portion, 2) a noodle, rice, or vegetable portion. Sometimes there's a third "spice packet".

Typical directions say: "Add contents of all packets to X cups of boiling water. Reduce heat, stir constantly, and simmer 15-20 minutes, or until noodles (or whatever) are tender".

Step 3

Into your cooking pot put 20 percent MORE water than the directions call for. Bring the water to a boil and add a healthy dash of Cliff's special spice (see suggested recipe below).

Step 4

When water is at a rolling boil, add contents of MEAT portion only, to the pot. Cover and maintain rolling boil for 5 minutes.

Step 5

Add contents of spice packet (if there is one). Reduce heat to slow boil and let spices and meat stew together an additional 2 or 3 minutes.

Step 6

Add contents of noodle, rice, or vegetable packet to the boiling water. Reduce heat, cover, and simmer (stir occasionally) for the amount of time indicated in the directions (15-20 minutes, for example).

Step 7

Eat and enjoy. All portions of the meal are thoroughly cooked and taste has been fully developed.

WHY FREEZE-DRIED AND DEHYDRATED MEALS FAIL:

1. Failure to cook the meat long enough. Half reconstituted meat spoils the whole stew. Except in very warm weather, "cook in bag" foods like those made by "Mountain House", don't get done. These foods should be prepared in a pot and cooked for 5 minutes, even if the directions don't say so.

2. You burned the pasta. This is easy to do on a one burner trail stove, especially if you plop the contents of all food packets into the boiling water simultaneously. If your stove's turned high, you may burn the food quicker'n you can say "turn the heat down Jack"!

3. Insufficient water. Remember you can boil out too much water, but there's not much you can do with a too thick stew that's stuck (and burned) to the pot bottom.

4. You didn't add enough spices. Extra spices are a must! The suggested "all spice" below works wonders with everything from Spaghetti to Shrimp Creole.

5. The noodles or rice is over-cooked. Despite what directions say, noodles don't cook at the same rate of speed as meat. One entree or the other won't be "quite done", or will be over-done. Use the "layered time" system of preparation.

ADDITIONAL COOKING SUGGESTIONS:

Carry envelopes of Lipton (or other) instant Chicken Noodle and Beef Vegetable soup. Also include some beef and chicken bouillion cubes. Add chicken soup (or chicken bouillion) to a chicken based meal; beef soup or beef bouillion to a beef based meal. Increase water amounts per the package directions.

A final suggestion: If a cheese packet is included in the meal, add it last. It's amazing how fast cheese burns–and how well it sticks to pots.

Freeze-dried ham takes longer to cook than other freeze-dried meats (my observation). Remember this when you prepare Ham Romanoff.

Good luck and good eating!

CLIFF'S ALL–SPICE

Mix approximately equal amounts of the following spices in a 35mm. film can:

Oregano
Marjoram
Seasoned Salt
Celery Salt
Pepper
Add a dash of: Thyme, Garlic

(Cliff is the author of a great book "Wilderness Canoeing and Camping" that should be on the required reading list for every canoe person. Highly recommend it!. . . . . L.M.)

SEVEN MILE CHALLENGE

by Bob Brown

When I read in the HUT that a patch was being awarded for doing 200 miles in a canoe I became interested. I read further and the rules said no more than 7 miles on a given day. This might be easy for a marathon racer who practices every other evening but for a cruising man like myself it was a real challenge.

I have a feeling that paddling purely to put on miles is much like running in place. I wanted to have fun while earning this award.

April first found me in the stern of my 18 ft. Explorer with Cliff in the bow. It was good to be back on the water, we got the feel of the paddles back after a long winter. I was now only 198 miles from my goal.

The following Saturday our group had a trip planned on the Minnesota. Morning came and so did the rain, a few phone calls and we went anyway. Dave and Steve, the Carlsons and my gang headed down from Chaska. That same afternoon I got my first taste of Sand Creek in one of Dave's Grummans. That's more my kind of stream.

The following week I spent part of three days on Crystal Lake. One day our group met and we exchanged boats and crews.

Back on the Mississippi on the 12th with Cliff. This time in his Charger.

April 29, back on the Minnesota to complete the requirements for my "Bicentennial Canoe Caper" patch. The next day was spent dragging our boats down to Welsh on the Cannon.

A week passes and no canoeing so off to Lake Alamagnet, twice that week.

On the 14th, back on Old Miss. Lead a group thru the locks with Gail as a bow person, she learned to do the hut that day.

May 19th, beautiful day, so I met Steve after school and we did the length of Prior Lake and back in his Winona, fast boat, found time for a swim.

No partners so off to Alamagnet solo in my 15 ft. Explorer.

Memorial weekend, every one is off to the BWCA. Not this dummy. I'm in Souix Falls paddling on the Big Souix. The next day at Souix City I learned why they call their river the Mighty Mo. One more day to Omaha convinced me that cornhusker paddling left something to be desired.

June – Nakomis and Alamagnet, sometimes solo, or with one of my sons.

At the Jenson no one wanted to challenge me so off to O'Brien Park for three days. Met Lew and Steve at Taylors Falls and we did the deliverance thing.

Back in the city, got my spouse out for an evening round of Lake Nakomis.

Met John at Lake of the Isles. Very low water but it's still fun to do the hut and move fast–those Explorers will. A week later we did a repeat of the Ford Lock trip.

Got off work on the 13th at 8 a.m. and did the bottom end of the Cannon. Three days later I was traveling along the back side of the Duluth point dodging ships.

Two days pass and I'm at Danbury with Walt and a group. We headed down past St. Croix Park and Seven Mile Rapids. Low wather and I'm sure that my new Explorer will never be new again. It was fun.

July 26th is my dad's birthday. I meet him at Northfield and paddle down to Randolf. A real good trip to see blue herons and woodpeckers.

The last day of July and 4 miles left to do. My better half has promised she would be with me when I finished the 200 miles. The last day to do it and a force five wind. She makes a good passenger and those last 4 miles were earned.

The wheels of progress grind slow in Washington. I'm still waiting for my patch. When I get it I'll sew it on and wear it proudly–two hundred miles, not on artic river, but for me to do this in four months was a real challenge. You try it next year – I'm going to the BWCA!

Conservation

By Brian Patterson
BWCA Update

Protection of the BWCA is the highest priority conservation goal of the MCA. I have given my full support to the Friends of The Boundry Waters Wilderness. I will report in each HUT! My work on the executive committee of that group.

Both the Fraser and Oberstar BWCA bills are now in subcommittee in congress. I expect consideration to begin in early January, with the full Interior Committee taking up the bill in February. It is likely that Phillip Burton, subcommitte chairman, will introduce his own strong wilderness bill. An end to logging in over one million acres, gradual phase out of motors on most lakes, tough restrictions on mining are features of the bill we expect from the subcommittee. While discussion goes on in Washington, cutting in a large sale of vigin timber has been delayed by the efforts of Phillip Burton and the U.S. Forest Service.

BUILDERS CORNER

by Bob Brown

There are a lot of builders out there reading this. While building your canoe, or is it canoes, I'll bet you invented something, some little detail not covered in the building book.

At the building show, we learn a lot from each other. We also share many of our own ideas.

As building director I have been given this space to fill. I hope that in the months to come it will be filled with your ideas.

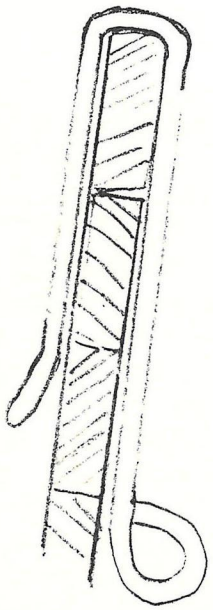
We have a tip from Chuck Alberg. Chuck builds beautiful canoes. He has learned to add pigment to his glue. This pigment makes the joints nearly invisable. He says to add one tube of water color pigment to a quart of glue.

I learned a trick on my first canoe. I was working alone and needed some way of holding the strips in place while I checked for proper fit. I made some wire hooks like the one pictured. They worked so well for me that I now reach for my hooks before I pick up a strip.

I made my hooks from 1/8" welding rod but any heavy wire will work. I keep six or seven handy while building.

I can hang a weight on some with heavy cord and this helps to hold down the bad guys.

I know that we have a lot of builders around. Let's hear from you people. All of you in Austin or Grand Rapids or Aberdeen must have come up with something you would like to share.



Recently I have received several inquiries on classes or clinics the MCA will be sponsoring this year. Since I am a new board member this year and relatively new to the MCA I think the way to give the members what they want is to ask them what they do want. Here is a partial list of learning sessions that may be of interest to canoeists. Please indicate if you would be interested in attending a session and feel free to add any not listed. As far as "where, when and how much" that will depend on the number of responses received. Check your preferences and mail to:

MCA – Safety & Education
P.O. Box 14177
University Station
Minneapolis, MN 55414

Basics:	[ ] Basic canoeing skills
	[ ] Advanced canoeing skills
	[ ] White Water Skills – open or closed boat
	[ ] Selection of canoe & equip.
	[ ] Basic plant and bird identification
Trip Planning:	[ ] Equip. & Supplies selection– basic
	[ ] for BWCA(portages & other limitations)
	[ ] First Aid – Hypothermia – CPR
	[ ] Selection of stream, lake or river
Construction:	[ ] Wood strip canoe building
	[ ] Kayak building
	[ ] Restoration and/or repairs

Many of these sessions can and should be held before good canoeing weather starts so the sooner enough responses are received the sooner we can set something up. We'd like to have the info in March "HUT". These do not mean a firm committment on your part – we just need an indication.

Wayne Kurth



THE TRADING POST

Items for The Trading Post should be mailed to: Hut Editor
Lew Miller
7500 Lake Drive
Lino Lakes, MN 55014

Your ad will only run for one month and is free to members. HUT editors reserve the right to determine if ads are for a commercial venture and to charge the rate for space used.

FOR SALE: Twelve yards of Kevlar, 38" width, $65.00. Call Bob evenings at 535-2661.

FOR SALE: Kayak, down river racer with spray skirt, flotation bags and paddle. Call Gary at 454-8071.

FOR SALE Mad River Explorer canoe, ROYAL-EX, 16 ft. with solid maple old town yoke, extra thwart, knee pads glued in, cane seats, ash gunnels, the works. A super white water boat . . very maneuverable. Excellent condition $400 firm. . . . . .Cliff Jacobson–437-7497

FOR RENT Molds. Call Al 488-9621, Larry 533-6734, Bob 331-5284, George 825-0711 or Bob 331-5634

FOR SALE

Nineteen foot cedar stripper built from new MCA Cruiser plans. Sixty pounds, cane seats, mahogany and ash trim. Best offer over$400.00 See it at the Builders Show. Lew 784-7667.

FOR SALE

MCA Epoxy, $15.00 per gallon. Nylon 67 inches wide, 4.2 ounce, $2.00 per yard. Call Larry Johns at 633-6734 and remember your membership card.

Eight issues of CANOE for $5.95
Six issues of WILDERNESS CAMPING for $4.50

These rates are good for new or renewal subscriptions Send your check, payable to THE MINNESOTA CANOE ASSOCIATION, to:

MCA
P.O. Box 14177
University Station
Minneapolis, MN 55414

Please include on a separate card your complete address, including zip code.

AVAILABLE:

Coaching & training for beginning marathon racers. Karl Ketter 636-8116.

FOR SALE–

MCA Resin and Fiberglass cloth
Polyester resin with catalyst . $7.75 per gallon
4 oz. cloth, 50" wide. . . . . $1.60 per yard
7½ oz. cloth, 50" wide . . . . . $1.70 per yard
7½ oz. cloth, 60" wide . . . . . $2.00 per yard

Rules for purchase: Call ahead and schedule pick-up time. Payment by check or money order to Minnesota Canoe Association. Bring a valid membership card.

DEPOTS

Bob Brown	432–7557	Apple Valley
Don Busch	222–5760	St. Paul South
Walt Jones	488–4570	St. Paul North
Betty Ketter	561–2208	North Minneapolis

FOR SALE: SUPPLIES FOR STRIP CANOE BUILDING
WOOD: Redwood, W. Red Cedar, Sitka Spruce
STRIPS: Complete stock for ready pick up
TRIM: Gunwales, thwarts, seats, yokes
MISC: Glue, screws, staples, etc.
FOR RENT: Strongback and forms
CONTACT: Bill Knudsen, 488-1932

MINNESOTA

Discovered by the Voyagers–
CANOE IT YOURSELF.
SAWYER–WINONA–JENSEN
CADORETTE–CLEMENT–SAWYER–
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