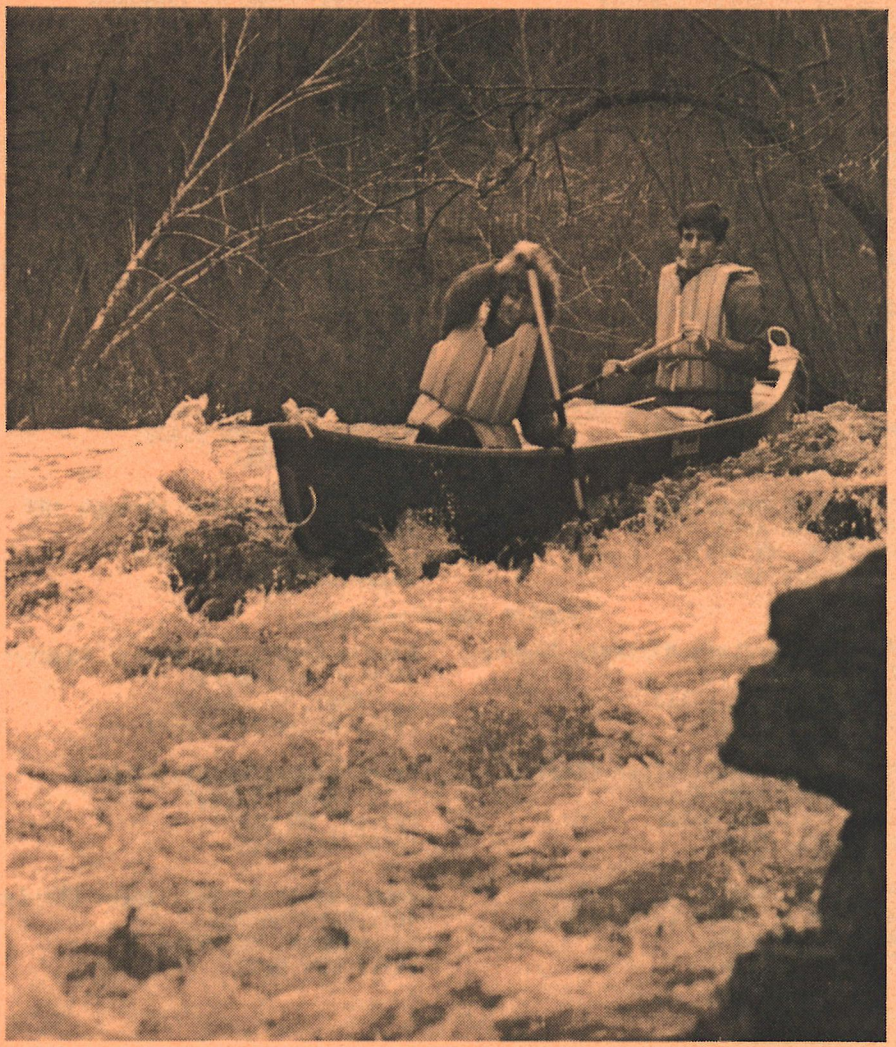
MINNESOTA CANOE ASSOCIATION

# HUT!

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June 1987/Volume 23, Number 6



Ruth-Ann Zwirtz and Rob Schmit negotiate Little Falls on the Upper Apple River. But, why is Ruth smiling and Rob gasping?
Photo: © Burt Levy Photography

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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 1940s 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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Send submissions to:
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**HUT!** Editor
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**FROM THE BOW**

Almost a hundred years before the American Revolt against King George, nameless men in small bark boats were plying the rivers of our state in search of trade. Unlike the colonists that would come later and demand more and more land, these first Europeans were content to share the wilderness with the Native Americans who roamed its woods and waters.

By 1820, a hundred and fifty years of canoe travel by the whites had explored almost every branch and creek between Pigs Eye, Hudsons Bay to the NE and the Mckenzie Delta to the NW.

Through it all, the St. Peter's River was one of the best known routes. Many of the first settlers of our Capitol, starving Scots and Swiss from Lord Selkirk's proposed pemmican factories and vegetable plots on the Canadian prairies, sought succor at the gates of Fort Snelling after trips down the Red River of the North and the Minnesota to the new fort at the junction of the Minnesota and Mississippi.

This country was discovered, explored, and settled by people in canoes. We have a state flower, bird, fish and bug, but in reality the symbol that most represents our heritage is that unsung gift of the Native American, the canoe.

In a few days we will celebrate that historical connection on the Minnesota River with the Annual Governor's Family Canoe Day. No better place exists for this remberence than on this route of trade and settlement, war and peace, story and legend.

Won't you please join in celebration and "Come paddle with us..."

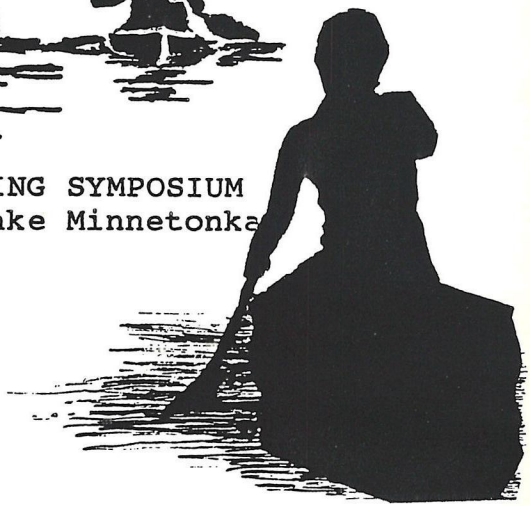
**--Al Gustaveson, President**




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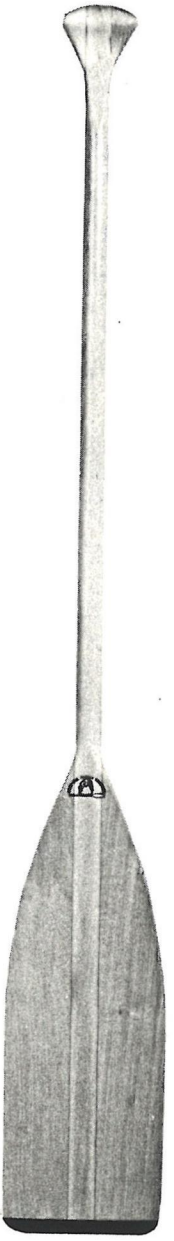
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**AN INVITATION TO FAMILY CANOE DAY**

Dear Friend,

You are invited to join me for the fifth annual Family Canoe Day to be held on the Minnesota River near Mankato on Saturday, June 13th. Family Canoe Day is an event celebrating June as Minnesota River's Month and Minnesota as the Canoe Capital of the United States.

Family Canoe Day is a canoe trip, a picnic and a celebration. Rivers have been important in our lives as a place for recreation, for natural beauty, and for a link with history.

We will be canoeing the Minnesota River from the DNR access at Judson to Dakota Wakiksuye Makoce Park (also known as Land of Memories Park) in Mankato, a distance of 12 miles. Pre-launch coffee and doughnuts will be provided by the MCA. Canoe launch time is set for 10:00 a.m. and we should reach Mankato in about 2-1/2 hours where we will have a picnic, music and festivities. Bring you own picnic lunch; we will have cold soft drinks and Indian fry bread available in the park for a modest charge. Shuttle buses will be provided and some canoes will be available to rent. Camping, showering and picnic facilities are available at Land-of-Memories Park or nearby Minneopa State Park.

This year has special significance for the Minnesota River. Governor Perpich has declared 1987 to be the Year of Reconciliation in commemoration of the 125th anniversary of the Dakota Conflict which took place along the Minnesota River. We have asked the members of the Native American community to join with us in celebrating Family Canoe Day, our river heritage, and to reflect on the events of 1862. Demonstrations and samples of both pioneer and traditional Dakota Indian foods will be part of our festivities.

Please make plans to join us for Family Canoe Day. Families, individuals and groups are all welcome. If you would like more information or canoe reservation information, contact the Department of Natural Resources at (612) 296-6699 in the Twin Cities or toll free from outstate at 1-800-652-9747 or Mankato Parks and Forestry Department at (507) 625-3161.

Warm regards,

Marlene Johnson, Lieutenant Governor




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# JUNE 13

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## FOR
## FIFTH ANNUAL
## FAMILY CANOE DAY



## MINNESOTA RIVER
## JUDSON TO MANKATO

## COMMEMORATING THE
## 125TH ANNIVERSARY
## OF THE
## DAKOTA CONFLICT
## -YEAR OF
## RECONCILIATION-

## CLIFF'S CORNER--A BURNING ISSUE



In the April **HUT!**, a reader expressed concern at my flippant attitude towards logging and burning in wilderness areas. In truth, my rationale is neither flippant nor incorrect. Any forester will pleasingly extol the virtues of sensibly sized wildfires and conscionable logging. Indeed, my old forestry professors (I received my B.S. in forestry in 1962) would thrash me good if I suggested otherwise.

What follows is a review of fire/logging ecology basics for those who would like to better understand.

Fact: Forest fires have burned through northern Minnesota at regular intervals since the dawn of time. Light surface fires return to pine stands about every 36 years; heavier crown fires on the average of 100-300 years. Northern Minnesota--notably the BWCA--has learned to survive these fires; indeed this area is dependent on them. Here's a list of the **positive** effects of forest fires in the northern eco-system.

1. Sets back plant succession--gets rid of the shade-tolerant spruce and balsam and brings back the intolerant pines and herbaceous vegetation. Remember, deer and moose don't eat big trees--too hard to reach the leaves! Logging too does the same thing, though because of the marketability of certain species, man is more selective. Nonetheless, deer, moose, black bear and other animals invariably follow a logging operation. Ask any hunter!

2. A surface fire burns up the litter (duff) layer, which accomplishes two things: a) It returns minerals to the soil for immediate re-use; b) Gets rid of surface debris so young seedlings can grow better (don't have to compete against overhead plants). Minnesota winters are long and cold: Decomposition **does not** keep pace with the accumulating leaf/needle fall. Without periodic fires to destroy the duff layer, build-up would occur on the earth's surface and minerals would be tied up in the vegetation.

This is a major reason why the destruction of the South American rain forests is so serious. Virtually all the nutrients in jungle environments are locked in the vegetative matter. In hot climates, decomposition **does** keep pace (even outstrips it) with the falling litter, so fires are not needed. In Minnesota, fires are critical to the health of a forest.

3. An occasional (200 year) gullywumper crown fire is often essential too: Big fires get rid of diseased and insect-ridden trees. A fire is a far better pest management tool than is the best Geigy pesticide!

4. On the average, a young healthy forest produces (per acre) about 1-1/2 tons of oxygen and consumes about one ton of carbon dioxide annually. Old forests use up as much oxygen as they produce, and they don't produce any news wood either. As a forest ages, it also produces few photosynthetic materials, (leaves and needles) and nutrients, as mentioned, are tied up in these products and are not available for re-use.

5. The blackened earth following a fire absorbs heat from the sun and creates a favorable "incubator" for the growth of new seedlings.

6. Many trees in northern Minnesota are "fire dependant." The Jack pine with its serotinous cones (cones are covered with wax which

must be melted before seeds can be released) is an example. Some other species have "semi-serotinous" cones.

7. Most pines have thick, fire-resistant bark and will withstand a passing fire. Other species, like paper birch and aspen have heat-resistant root systems which will regenerate (through suckering) after fire. Want to pick blueberries? These spring back right after a fire. No fires, no berry crop and a bunch of hopping mad bears!

8. Contrary to popular belief, forest fires usually don't kill all the trees. So instead of producing a region of even-aged trees, quite the opposite usually results. Of course, this variety is healthy for wildlife.

9. After a fire passes, new niches develop in the forest. Sap weeps from the trees to repair fire wounds. Insects move in, and a variety of new birds, namely woodpeckers, invade the forest. No fires, few exotic birds.

Now here's the problem: You can't just let fires burn out of hand, and you can't "let nature take its course," and put them out when **you've** decided too much has been burned. Fire fighting technology is still pretty primitive. Often, you must get on a new fire instantly or you may not get it out until it has burned towns and homes. The forest service has occasionally used controlled burning to perpetuate fires, and some of this is sorely needed in the BWCA. But controlled burns, despite precautions, sometimes become uncontrolled burns, then everyone blames the feds. Besides, most people still view forest fires as evil--alà the days of Smokey Bear.

And what about logging? Much has been written bout the evils of clearcutting. And back in the 50's when there were no controls, such complaints were valid. Today, most pulpwood clearcuts done in northern Minnesota are quite small. Pulp is not terribly valuable. Even if you could "selectively cut" aspen and Jack pine, you probably couldn't make enough money at it to stay in business. A fifteen acre clearcut--tastefully done, will reforest itself in just a few years, especially if a checkerboard (strip) method is used, leaving a few hundred yards between rows.

It's important to realize that aspens and pines are intolerant to shade--which means they need sunlight. These trees won't grow under the shade of more mature trees. A selective cut won't work very well with these species. They need space--an open area to grow. Hence, methods based on the clearcutting principle are preferred.

Get a piece of paper and think hard. On the left, list all the animals you can think of which live in the **climax** forest (typified in northern Minnesota by balsam fir and spruce). On the right, jot down those which need pioneer species like aspen, Jack pine, paper birch, moose maple and blueberries. The left side is pretty short, isn't it? You bet! Remember, deer don't eat big trees!

It's fashionable today to complain about mis-management of our natural resources without having adequate information on which to base decisions. Contrary to popular belief, American foresters and wildlife managers DO know what they're doing. And they DO care deeply about the environment. That the selfish interests of some industries often obscures this fact is the real cause for concern. Unfortunately, most Americans never learn about forest fire ecology, about logging or wildlife management. Sure, everyone agonizes over the loss of the Ivory billed woodpecker and the snail darter. But schools by and large teach biology, not ecology!

Next time you paddle the favorite haunts of your Boundary Waters lake, look around. Take a hard look at what's growing...and what's dying. What? No deer here? No moose? No beaver? No black bear? Both fires and **sensible** logging leave scars which are quickly healed.

CLIFF--CONTINUED ON PAGE 10

CLIFF-CONTINUED FROM PAGE 9

Development is forever. Backcountry roads are driven on by everyone--every turkey comes in and does his thing. Log an area, **seal off** the road afterward, and in a decade, "wilderness" will return to the wilderness.

And "protection" for protection's sake--be it trees or animals--is idealistic gibberish. Far better to **scientifically manage** our forests, our waters, our wildlife. And that is precisely the role of forest/wildlife professionals. Neither conscionable logging nor reasonably sized forest fires harm forests or animals. But well meaning people who "don't understand," do. Popular attitudes are not always correct!

LEST YOU MISINTERPRET: **NO,** I do not advocate logging in the BWCA. That practice is not commensurate with the **recreational** values of the area. So, for my part, I'll fight any attempt to cut trees within the BWCA perimeter.

Fire, however, are another consideration. I would support small controlled burns, especially in areas which are isolated by water from the path of natural forest fires. Forests do not live forever. Unlike rocks, they are mortal. The "virgin forest," per se, is a myth, perpetuated by folks who "don't understand."**--Cliff Jacobson**


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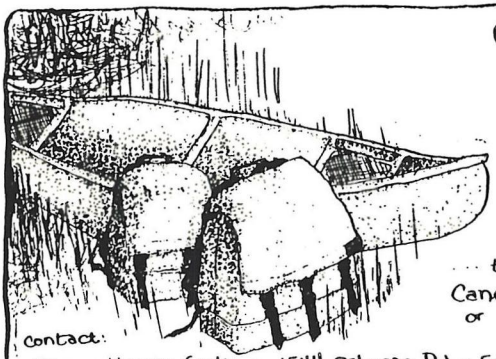
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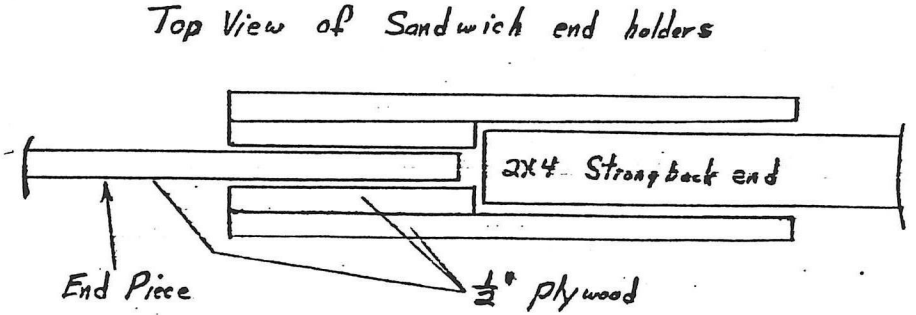
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**BUILDERS CORNER--MOUNTING END PIECES**

My good friend, Cliff Jacobson, built the prototype of the Lady Slipper, I built the forms. Somehow, when we reassembled the forms in Cliff's basement, the ends got twisted. The No. 1 Lady Slipper had a twist--so have all the ones since. This does not affect the way the boat paddles, but it is hard on my pride. I should have done better.

Since building the forms for Cliff, I set up forms for about ten other canoes, being more carefull about getting the ends straight, yet never quite satisfied with the mounting. It was obvious that a better system was needed.

When I built the Tern, I tried a new system that really worked well. I extended the strongback with a plywood sandwich as shown in the illustration.




The ends of my strongback are a 2x4 on edge. I cut up 4" strips of 1/2" plywood and fastened them to the end as shown. The short inner pieces are attached to the longer outer sections then the entire assembly is then bolted to the strongback.

The way it is set up, there is just room for the end pieces. There is enough flex to allow for anything from 1/2" to 3/4" end pieces. There is also room enough to shim these pieces, if needed, to get them absolutely true.

Before the other forms are in place it's easy to eyeball the end pieces and get them true prior to stringing a chalk line at the keel.

I'm very pleased with this new strongback. I feel that once the ends are set up and trued, I can start building in confidence that they will stay that way.--**Bob Brown**


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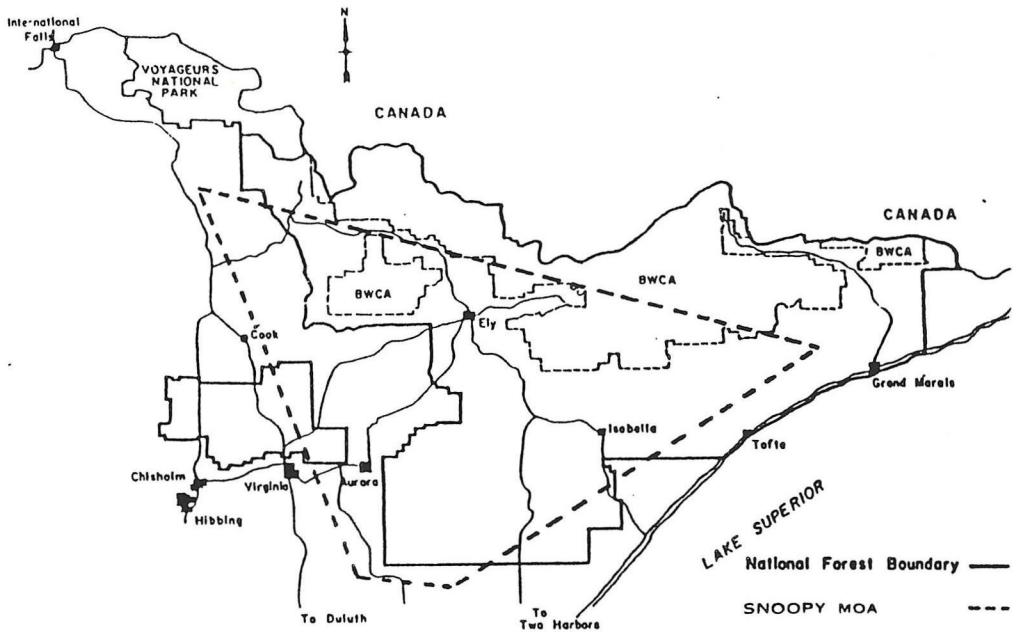
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## MILITARY AIRCRAFT THREATEN MINNESOTA

Minnesota currently lies under a double threat from military jets and bombers which threatens both the wilderness silences of the BWCA Wilderness and the peace and quiet under a long route stretching from north central Minnesota to Michigan's Upper Peninsula. This double threat comes from dramatically increased use in a military airspace in northeastern Minnesota - The Snoopy Military Operations Area (MOA) - and a proposal by the U.S. Air Force to establish a new 437-mile low-level bomber training route over Minnesota, Wisconsin and Michigan. **Letters from MCA members are needed now to stop the militarization of Minnesota's skies.**

SNOOPY MOA

The Federal Aviation Administration established the Snoopy MOA in 1976 as part of a nationwide effort to restrict military training flights to specific areas. The vertical boundaries of Snoopy MOA were initially set between 10,000 feet above mean sea level (MSL) and 60,000 feet MSL The lateral boundaries of Snoopy MOA were set as shown in the accompanying map. Snoopy's lateral boundaries overlap large portions of the BWCA Wilderness.



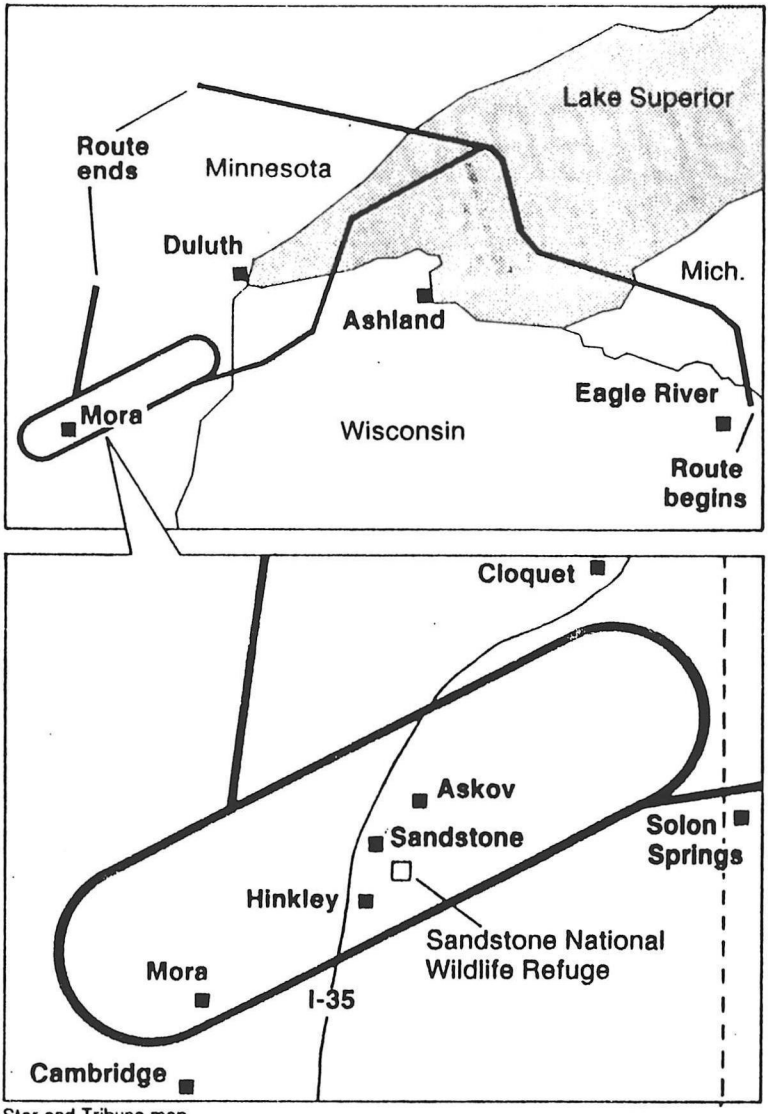

SNOOPY MOA

From 1976 to 1982, the Minnesota Air National Guard in Duluth trained primarily in RF-4C reconnaisance aircraft. In 1982 the Air National Guard unit began to convert to F-4D fighter-interceptor aircraft performing both high and low altitude intercept training and low altitude air combat training. For this mission conversion, the base altitude of snoopy MOA was lowered from 10,000 to 6,000 feet MSL in 1982. by October 1983, the Air National Guard unit had converted to the fighter interceptor aircraft.

The number of flights to Snoopy MOA dramatically increased as a result of this conversion, from 153 flights in 1983 to 1,272 in 1985, an eight-fold increase!

In the past year or two, jets have been reported flying well below the 6,000 feet level in Snoopy MOA over Superior National Forest, and the Forest Service has documented violations of the protected airspace over the BWCA Wilderness. Many visitors to the BWCA in the past year have also complained of noisy aircraft flying at low altitudes which disrupted their wilderness canoe trips.

## Proposed route for bomber practice




Star and Tribune map

AIRCRAFT THREAT--CONTINUED ON PAGE 14

AIRCRAFT THREAT--CONTINUED FROM PAGE 13

President Harry Truman established a protected airspace reservation over the BWCA through executive order in December 1949. This unprecedented airspace prohibited aircraft flights below 400 MSL or about 1700-2500 feet above ground level (AGL). The major problem came in the 1940s not from military jets, but from propellor-driven float planes which penetrated the wilderness canoe country.

The Minnesota Air National Guard has initiated a proposal to expand the lateral boundaries of Snoopy MOA eastward to cover the North Shore and parts of Lake Superior. **Your letters are needed to insure that the boundaries of Snoopy MOA are adjusted to protect the BWCA Wilderness!!**

LOW-LEVEL BOMBER ROUTE

The second threat from the skies comes from the U.S. Air Force. The Air Force has proposed the establishment of a new low-level bomber training route stretching 437 miles over Minnesota, Wisconsin and Michigan, with bombers flying as ow as 300 feet above the ground at speeds of around 500 mph. (See map.)

The proposed route would train B-52 bombers, the new B-1B bomber and the FB-111 fighter-bomber. No supersonic flights would be authorized. Up to five flights daily would occur initially, originating from Strategic Air Command (SAC) bases in the Dakotas and Nebraska, or form other Air Force bases like K. I. Sawyer AFB in Michigan. Some bombers would fly at night between 7 p.m. and 7 a.m., and the number of flights could most likely be increased once the route is established.

In response to public outcry and concern from Minnesota Congressmen Jim Oberstar and Bruce Vento, the Air Force agreed to raise the base altitude of the northern segment over Superior National Forest to 4,000 feet AGL. But as a result, the Air Force plans to fly its bombers throughout the entire Snoopy MOA from "border to border," including those portions over the BWCA Wilderness. Even at 4,000 feet, these huge bombers cause a great deal of noise.

The Air Force finally came to Minnesota in early May, and held two fiery public meetings in Mora and Duluth in which hundreds of citizens spoke out against the proposal. **The Air Force has now begun an environmental assessment of the proposed low-level route, and your letters are needed now to kill the bomber route proposal!!**

WHAT YOU CAN DO

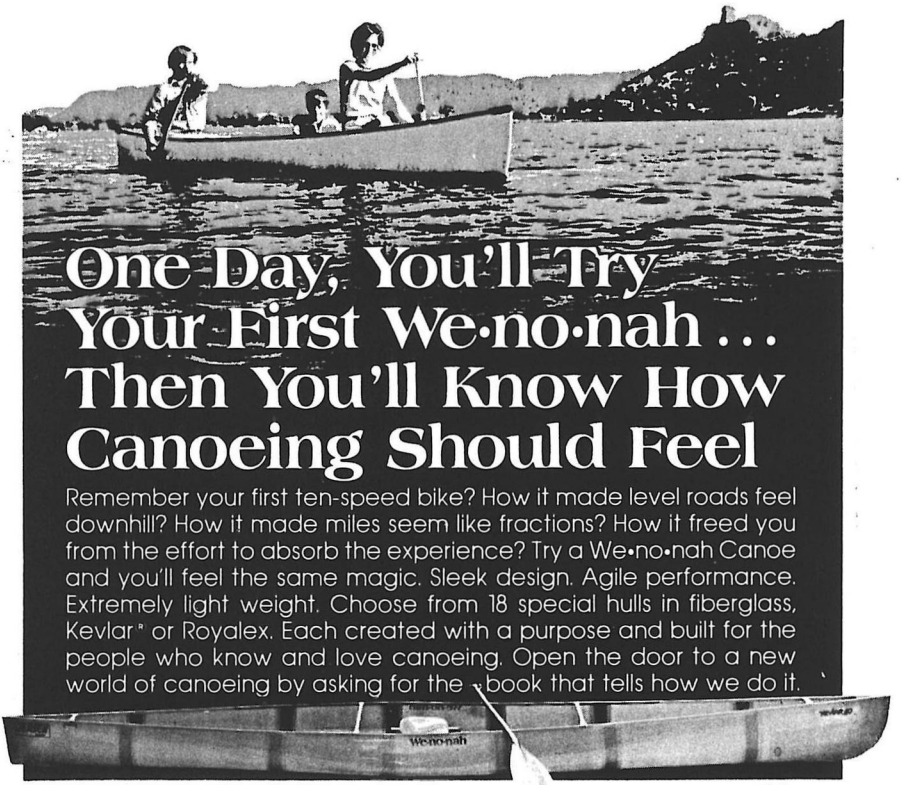
**Snoopy MOA:** Write to the Minnesota Air National Guard regarding jet noise of Snoopy MOA in the BWCA Wilderness and northeastern Minnesota. Explain that jet noise is a problem both for the area residents as well as wilderness visitors. Tell of any personal incidents in which you experienced disturbing jet noise, sonic booms, or low-flying aircraft. Ask the Air National Guard to move the northern boundary of Snoopy MOA southward far enough to at least eliminate all overlap of Snoopy MOA with the BWCA Wilderness.

Col. John Broman, Commander
148th Fighter-Interceptor Group
Minnesota Air National Guard
Duluth International Airport
Duluth, MN 55811-5000

**Low-Level Bomber Route:** To oppose the low-level bomber route, write to the Air Force at the following address. Explain that with 41 existing low-level routes around the country, another one is not needed and especially in Minnesota. Bombers will disrupt wildlife, destroy recreation experiences and tourism economies, and harass citizens and their homes. Write that flights of such thunderous bombers over residences, rivers such as Minnesota's Kettle or Wisconsin's Brule, or the BWCA Wilderness is completely unacceptable.

Ms. Gloria Hagge
DEVC
SAC Headquarters
Offutt Air Force Base
Omaha, NE 68113-5001

Submitted by Kevin Proescholdt, Friends of the Boundary Waters Wilderness, 1313 Fifth St. SE, Suite 327, Minneapolis, Mn 55414, (612)379-3835.

**CRUISING NOTES**

June and July Cruises (as of 4/10/87):

June 13- Governor's Family Canoe Day-Minnesota River-see details elsewhere in this issue.

June 20 & 21- Saturday and Sunday-Crow Wing River-a recreational, overnight cruise on a small wilderness river. there should be enough water for this event to take place. Leaders: Jeff and John Sorensen, 822-2921. after 5:00 P.M. Please call to register.

June 27-Saturday-Rum River-Cambridge to St. Francis. An easy day cruise at a recreational pace. Caryl Duke. 544-2668 evenings or weekends.

July 11-18 MADRAC, USA (Mississippi Annual Down River Adventure by Canoe)- from Dubuque to Burlington, Iowa. Cost is minimal and it looks like quite an event. for more information: MADRAC USA, 922 No. 3rd Burlington, Ia. 52601 (319)753-5107

July 12-Sunday-Mississippi-Showboat Landing to St. Anthony Main and return-3rd Annual Canoe-a-Brunch. 9:30 A.M. at Landing. An easy recreational day cruise with everyone and all types of craft welcome. Harlan and Darla Nickerson. 535-1373 evenings.

Comments:

George Skinner has put together six MCA first aid kits-four for open canoes and two for whitewater trips for kayaks. These are intended for leader use on "sanctioned" MCA events. Leaders have a responsibility to see that a good first aid kit accompanies their event. See "EDUCATION AND SAFETY" for more details.

Don Mitchell reported on the success of the Arctic Canoeing slide series in Stillwater this past winter. Attendance was at capacity, as attested to by the lack of ventilation and milk carton chairs crammed into the meeting room at the Valley Coop. Next year we return to a remodeled Stillwater Public Library.

Below is an outline of some of the topics that were covered during Efficient Canoeing at the Canoe School weekend. It serves to illustrate how canoeing can be as simple or as complex as you like it to be. One could spend a lifetime learning the intricacies of the sport and always be challenged to refine and increase one's level of expertise.

Efficient Paddling/Minnesota Canoe Association 1987

Topics covered:

1. The stroke - arms, reach, body position, catch, recovery, rate, rhythm, grip, use of rotational muscles, etc.
2. "HUT!" - History, "why", rate, smoothness, hand placement, blade position, timing, frequency, etc.
3. Entering, leaving canoe-parallel to shore, together, step on keel line, brace with paddle, entering current, landing, etc.
4. Strokes - power stroke, draw, diagonal draw, pushaway, stationary draw, backpaddle.
5. Paddling in a variety of situations - bow, stern, downstream. upstream, headwind, tailwind, sidewind, shallows, rapids, etc.
6. Some techniques-working the shoreline, upstream or cross ferry, offside leans, trimming the boat, turning, paddling in a group, cruising speed, etc.
7. Boats - design, material, length, width, depth, entry and exit lines, keel lines, seats, braces, bailer, sliders, etc.
8. Paddles - design, length, width, weight, material, etc.

**--Bill Simpson, Cruising Director**

## CLEAN RIVERS WEEK--YOU CAN HELP

A new national holiday is unfolding in several areas of the country, and it is known as Clean Rivers' Week, June 27th through July 3rd.

As the saying goes, "Think globally and work locally." This is what Clean Rivers' Week is all about. Working locally with other people working in their own communities in a concerted effort all across this beautiful land of ours. Collectively we can make a difference!

Our ultimate goal is that all people, from all nations, work together for the preservation of life. Water is life.

To date, peoples on the Hudson River, Wisconsin River, Minnesota River, and the Mississippi River are organizing cleanups during Clean Rivers' Week. Next year, and the years following, we hope that there will be river cleanups all across North America and beyond.

Clean Rivers' Week is a movement! Inclusive and not exclusive. Examples of river cleanups that reflect this are: In Dubuque, Iowa, the Mississippi River Revival organized a cleanup that brought in a battalion of Navy Seabees, working side by side with peace organizations, church groups, and commercial fisherman. In Winona, Minnesota, citizens for a Clean Mississippi organized a cleanup where Winona Barge and Fleeting donated three workers, a barge and tow for a garbage scow and members of the Sierra Club, Department of Natural Resources, Audubon Society, and MRR loaded and recycled the refuse.

In the last six years, these wide and diverse coalitions of people have hauled in an estimated 90 tons of garbage.

Of course, physical litter is only a symbol of a far larger problem. So, it's important that we publicize the invisible litter (PCB's, heavy metals, sewage, herbicides and pesticides, and radioactive waste) in conjunction with the physical litter issue. To halt these larger contaminate issues, we need education, legislation, and direct action. These issues should not be separated from the visible litter, but incorporated through informational packets, brochures, and petitions, etc...

The earth needs our help. The rivers need our help. Your organization or group can help by organizing a river/lake cleanup in your community on River Cleanup Week, June 27-July 3rd. We would also invite any group, organization, or individuals to take part in Clean Rives Week in the Twin Cities for a massive river cleanup along the Mighty Mississippi on Saturday, June 27th. Those interested will meet at the U of M Showboat Landing at 9 a.m. for registration. The cleanup will follow the river through the Ford Dam and a rest stop at Hidden Falls Park. We will land at Harriet Island Park in downtown St. Paul. The clean up will be followed by a potluck dinner and dance/celebration at the Harriet Island shelter. We are encouraging groups to organize their own cleanup crews and to work together as a group with a banner or flag which designates your group. Further information, registration forms for groups, and a brochure will be available soon. You can request this additional information by writing to Mississippi River Revival, P.O. Box 10281, Mpls, MN 55440, or by calling our project office, (612) 827-8058.

For clean rivers around the world!

Paul Schollmeier, Mississippi River Revival

## EDUCATION & SAFETY--FIRST AID KITS

The Minnesota Canoe Association now owns six First Aid Kits. Two are in dry boxes small enough to tie in whitewater kayaks. Four are in ammo boxes that can be tied in an open canoe. The open canoe kits contain all the items of the kayak kits plus a bottle of Libiclens skin cleaner.

It is intended that the kits be checked out by leaders of official MCA events and then be returned **immediately.** Annual MCA cruises, classes or published cruises listed with the Cruising Director are all examples of official MCA events. A group of boaters on an informal trip should expect to supply their own first aid kit.

At this time: Three open canoe kits are stored at Al Gustaveson's, 1091 Hawthorne Ave. E., St. Paul, MN 55106, 778-8525. Two kayak and one open canoe kit at Burt Levy's, 3204 Fremont Ave. S., Minneapolis, MN 55408, 823-4533.

Because they will restock used items, and check over kits, it must be agreed that if YOU check out a kit, then YOU return it within one day of the end of your event. Leaders passing kits on to other leaders is simply unacceptable.

The First Aid Kits were designed to be used in situations where victims would not be outdoors overnight. No drugs (other than aspirin) are carried. Persons who can expect to need medicine should carry their own and make the leader aware of their condition. PFD's can be used as ground insulation and splints. The First Aid Kits were not intended to be survival kits or repair kits and do not carry such items.

First Aid Kit Inventory: Cost $55 each.

| | item | | quantity |
|---|---|---|---|
| Bandage: | adhesive tape | 1"x5 yd | 1 |
| | elastic | 3" | 1 |
| | roller gauze | 2"x5 yd | 2 |
| | skin shield | 0.5 oz | 1 |
| | triangular/2 pins | | 2 |
| Dressing: | Bandaid | 3/4" | 10 |
| | Bandaid | 1" | 10 |
| | gauze pad | 3x3" | 4 |
| | Surgipad | 5x9" | 2 |
| | Telfa pad | 3x4" | 3 |
| | topper sponge | 4x4" | 1 |
| Miscellaneous: | accident form | | 3 |
| | antiseptic towelette | | 12 |
| | aspirin | | 17 |
| | bandage scissors | | 1 |
| | cold pack | | 1 |
| | emergency blanket | | 1 |
| | first aid booklet | | 1 |
| | Libiclens (canoe kit) 5 oz. | | 1 |
| | inventory list | | 1 |
| | mole skin | 5x7" | 1 |
| | pencil | | 2 |
| | quarter dollar | | 4 |
| | safety pins | | 10 |
| | splinter tweezers | | 1 |
| | waterproof box, lash, clip | | 1 |

**RIVER SURVEY FORM**

The River Survey form and Gauge Locations included in **HUT!** this month is a cooperative effort of the MCA and the Minnesota Department of Natural Resources. The purpose of this survey is to provide a corelation between river level gauge readings and canoeability on rivers. This program was started after a tragic and avoidable death occurred in the Banning rapids on the Kettle River. The following article from the DNR explains river gauges and how to use them. If canoeists will submit survey forms whenever they canoe rivers, a base of information will be established that will permit the DNR to provide accurate canoeability information to all interested persons.

**RIVER GAUGES**

Water level gauges on Canoe and Boating Routes in Minnesota are primarily designed for the development of a more reliable river level information system so that canoeists are provided with a safe and enjoyable canoeing experience. The idea behind the river level inventory program is that certain gauge readings can be related to a general condition of the canoeability of that river or stretch of river, and this information about all the Canoe and Boating Route rivers can then be compiled and made available to the canoeist to help them plan a canoe outing.

Since river level readings are to be used in relation to the condition of the river, there is no uniform level that the gauge is set at. Generally, DNR gauges are set so that the "0" mark is at a low level of the river. The readings are then measured in feet and tenths of feet above the "0" level, or if the "0" level is above the water surface, an estimate is made as to how many feet below that reading the water level is. Gauges are usually placed on bridge supports in the main channel so that they are easy to read, and can be checked on a regular basis by the public, and DNR field staff.

Since these gauges are set up in relation to their specific location, there is no comparability between a gauge at one point and a gauge at another point, or from river to river. At a specific river location, a comparison is made from a certain river level reading to a certain condition, i.e. gauge reading 4.5 = water level above normal, class II rapids, good canoeability. Later in the season the gauge may read 1.7 at the same point, indicating possibly exposed rocks, water too low to canoe, etc. As more reading/condition reports are made, a general profile of the river's canoeing conditions at various levels can be formulated, and made available to canoeists through the DNR's Outdoor Recreation Information Center.

The United States Geological Survey has some gauges along Canoe and Boating Routes as well. Their gauges are set up so that the "0" reading is tied into a certain level above sea level. Their readings are then related to a certain discharge level and factors such as runoff, mean annual flow, volume, etc., can be calculated and an accurate flow system can be derived. The U.S.G.S. gauges are also set up so that readings are in feet and tenths of feet.

The Corps of Engineers also provides river level gauges, and they function in much the same way as the U.S.G.S. gauges do. Their intent is to monitor river tributary levels so that accurate navigational information can be made available to boat and barge traffic.

United States - Department of Interior
Geological Survey
United States - Department of the Army
Corps of Engineers
Minnesota Department of Natural Resources
Trails and Waterways

# CALENDAR OF EVENTS

BE SURE TO SEE THE RACING AND WHITEWATER RACING CALENDARS

**MAY**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

30-31 ST. CROIX CANOE WEEKEND - PARTY AND DANCE, at St. Croix State Park. Overnight lodging included on Saturday. The MCA efficient paddling class will be meeting here as will the Rapids Riders Whitewater class meeting number five.

**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 | | | | |

**SPECIAL EVENT:**
GOVERNOR'S FAMILY CANOE DAY
SATURDAY THE 13TH

3 WED MCA BOARD MEETING. 7:30 p.m. Don Mitchell's, 20233 Quinnell Ave. N., Scandia, MN. 433-3451

6 SAT NORTHWOODS AUDUBON CENTER - The Upper Kettle River. Participants will meet at Northwoods. NORTHWOODS AUDUBON CENTER, Route 1, Sandstone, Minnesota 55072. (612) 245-2648

6-7 NORTH COUNTRY CANOE WEEKEND. At Lake Nebagamon. Sponsored by Twin Ports Chapter. Details were in May **HUT!**

6-7 Rapids Riders Whitewater class meeting number six. Brule and Kettle River. We will stay at North Country weekend.

9 TUE RAPIDS RIDERS meeting at the Ground Round in RICHFIELD!!! Located at 1500 East 78th St. (494 to 12th Ave. Exit). Room reserved for 6:30, meeting starts at 7:00.

10 WED SPECIAL PADDLE NIGHT WITH WILDERNESS INQUIRY II. Lake Phalen. 4-7 p.m. These special nights, enjoyed by all in attendance, present the opportunity for handicapped folks to try canoeing. Call Wilderness Inquiry II for more details: (612)379-3858.

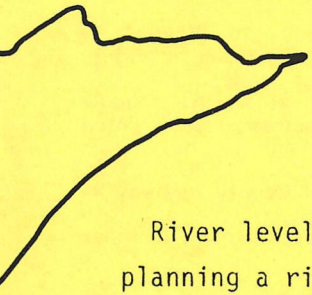
13 SAT WHITEWATER CRUISE -- CLASS I-II. Snake River or similar depending on water level. John Murphy, (612) 431-5569.

13 SAT GOVERNOR'S FAMILY CANOE DAY. Minnesota River. Judson to Mankato. Launch is a 10:00 a.m. Shuttle transportation is furnished. Pre-launch coffee and doughnuts will be provided by the MCA. More details on page 6.

13-14 UPPER IOWA RIVER CRUISE. Unisys Chapter. For details, see UNISYS CHAPTER news.

20-21 CROW WING RIVER CRUISE. Easy paddling, family level trip. More details in Cruising Notes. Jeff Sorenson, (612) 822-2921.

# River Level Reporting



River levels are an important consideration when planning a river trip. In order to help, the DNR offers a river level reporting system for several Minnesota rivers. This system allows canoeists to call for up to date information on river levels and general conditions. We are seeking to improve this system through a process called er Level Inventory. When you canoe a river, report to the DNR the itions of the river as you perceive them on a River Level Inventory You should read a specific gauge so that your descriptions and ions can be related to a river level. If you do not encounter a on your trip you may also report on the conditions and relate them e type of level, (e.g., mid bank, over flowing the banks, etc.). n relate this information to our records.

this sheet as an aid to identifying gauge locations and when lling out river level inventory forms. Canoe route maps, river evel inventory forms and gauge lists, as well as river level information are available by calling or writing to:



DNR Outdoor Information Center
Box 40 - 500 Lafayette Road
Saint Paul, Minnesota 55146
Metro - (612)/296-6699
Minnesota Toll Free - 1-800-652-9747

**(see reverse side for gauge locations)**

# Gauge Locations

| RIVER | # | MILE | COUNTY | GAUGE LOCATION DESCRIPTION |
|---|---|---|---|---|
| BIG FORK | 1 | 134.7 | Itasca | State Highway 38 Bridge Crossing at at Big Fork, downstream side. |
| | 2 | 51.2 | Koochiching | Railroad trestle at Big Falls. Middle piling, facing upstream. |
| CANNON | 4 | 44.8 | Rice | CSAH 1 Bridge in Dundas. |
| | 5 | 41.3 | Rice | 5th Street Bridge above dam in Northfield. |
| | 6 | 25.0 | Goodhue | Pier on Highway 20 Bridge in Cannon Falls. River right, downstream; metal gauge. |
| | 7 | 13.0 | Goodhue | CSAH 7 Bridge at Welch. Middle bridge piling, upstream side; painted gauge. |
| CLOQUET | 8 | 70.9 | St. Louis | Northwest side of County Highway 44 Bridge. |
| | 9 | 10.1 | St. Louis | U.S. Highway 53 Bridge, 13 miles west of Duluth. |
| CROW WING | 10 | 64.0 | Wadena | Co. Rd. #12 Bridge in Nimrod; West pier, upstream end, facing east. |
| | 11 | 21.8 | Morrison | North side of Motley; Minnesota Highway #210 Bridge; South pier, upstream end, facing south. |
| DES MOINES | 12 | 36.5 | Cottonwood | State Highway 60/U.S. Highway 71 Bridge Crossing in Windom. |
| KETTLE | 13 | 29.0 | Pine | 1 mile west of Askov; at Banning State Park SH. 23 Bridge. East pier, upstream side facing east. |
| | 14 | 14.0 | Pine | 4 miles east of Hinckley; SH 48 Bridge. East pier, upstream side, facing east. |
| LITTLE FORK | 15 | 139.0 | St. Louis | Railroad trestle in Cook approximately 3/4 mile east of U.S. Highway 53, near Union 76 station. |
| | 16 | 20.0 | Koochiching | U.S. Highway 217 Bridge at Little Fork, middle pier. |
| MINNESOTA | 17 | 238.0 | Renville | Renville CSAH 10 Bridge Crossing, near Upper Sioux Agency State Park (SE of Granite Falls). |
| | 18 | 177.8 | Yellow Med./ Nicollet | State Highway 4 Bridge Crossing, near Fort Ridgely State Park, west of New Ulm. |
| MISSISSIPPI | 19 | 1329.6 | Clearwater/ Beltrami | Recreational Use Bridge at Coffee Pot Access. Gauge located River Right, downstream. |
| | 20 | 1315.3 | Beltrami | CSAH 5 Bridge, Gauge located River Right, downstream, (approximately 10 miles west of Bemidji). |
| | 21 | 1291.8 | Beltrami | Grant Valley Township Road wooden bridge. Gauge located River Right, downstream. (approximately 3 miles southwest of Bemidji adjacent to County Road #7). |
| | 22 | 1221.5 | Itasca/Cass | U.S. Highway 2 Bridge Crossing west of Deer River, east side of bridge support. |
| | 23 | 1174.5 | Itasca | CSAH 441 Bridge at Blackberry. |

# River Level Inventory

Fold

NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES

**BUSINESS REPLY MAIL**

FIRST CLASS PERMIT NO. 171, ST. PAUL, MINN.

POSTAGE WILL BE PAID BY ADDRESSEE

**STATE OF MINNESOTA**
**Department of Natural Resources**
**Trails & Waterways Unit**
**Box 52 500 Lafayette Road**
**St. Paul, MN 55146**

_____Rapids, not passable due to ( high / low ) water, circle one

Please comment on particular areas, where you feel the water conditions put you at risk:

| Condition | Location (river mile) | Description, Comments, Risk if any |
|---|---|---|
| | ( ) | |
| | ( ) | |
| | ( ) | |
| | ( ) | |

**OBSTRUCTIONS :** Please check those items that may have been a hazard to you on your trip:

____snags ____low bridges ____overhanging tree limbs ____fences ____other:_____

| Item | Location (river mile) | Description, Comments, Risk if any |
|---|---|---|
| | ( ) | |
| | ( ) | |
| | ( ) | |
| | ( ) | |

8. Other comments: (e.g. overall canoeability; quality of experience; conditions of facility; maintenance problems; suggestions; etc.)

_____

_____

_____

_____

_____

_____

Thank you for your time and assisstance.

2-85

Estimate the number of rivers you have canoed ___ Years of experience___

Name_____ Phone___( )_____

Address_____

_____Zip_____

**PUBLIC ADMISSION**

To the Festival:
$1.50 per person each day
Children 7 and under are FREE

State Park Vehicle Permit Required
$3.00 for two days or
$15.00 for all year in
64 State Parks

**PUBLIC CAMPING**

Semi-Modern.....$6.00/night
Rustic.....$5.00/night
Reservations.....$3.00/site

Phone reservations will be accepted 15 days prior to your arrival

FT. RIDGELY MINNESOTA
HISTORICAL FESTIVAL

**SPECIAL FUR TRADERS' RATE**

$17.00 includes:

2 nights primitive camping
3 daily group vehicle permits
cut firewood
sanitary facilities
one medallion per camp
showers Drinking water

**Extra Days Available At Additional Cost**

**CAMPSITE OPENS June 22nd (Monday)**

**Programs Subject To Change**

Ft. Ridgely
HISTORICAL FESTIVAL
Last Weekend in June

# JUNE 27-28, 1987

**125th Commemoration**
**of the Dakota Conflict of 1862**
**(Sioux Uprising of 1862)**

Ft. Ridgely State Park

**FAIRFAX, MN 55332**

MN HWY 4, South of Fairfax
or North of Sleepy Eye on
the Minnesota River

EXPLORE MINNESOTA

**FUR TRADE RENDEZVOUS**

Relive the 1800's and join:

Fur Traders

Voyageurs

Native Americans

Adventurers

Their Primitive Encampments include:

Tipis
Lean-tos
Wall, Baker and Wedge Tents
Campfire Cooking
Blackpowder Shoot
Tomahawk and Knife Throws
Various Games of Skill

**ALSO**

**TRADERS' ROW WILL BE SELLING:**

Art objects and mementos
Pottery
Clothing
Camping gear
Blankets
Guns and accoutrements
Trade silver, beads and jewelry
Handmade period gifts

**BE SURE TO BRING YOUR CAMERA**

**MILITARY DEMONSTRATIONS**

**1st Minnesota Volunteer Infantry**
**Military Encampment**

Sibley Tents
Wedge Tents
Field Kitchen
Drill Areas
Military Drills and Ceremonies
Flag Raising and Lowering Ceremonies
Rifle Drills
Guard Mount
Fife and Drum Corps




**NEW ULM BATTERY ENCAMPMENT**

Sibley Tents
Military Demonstrations
Artillery Drill with an
ORIGINAL CIVIL WAR CANNON



**WAGON AND EQUESTRIAN ACTIVITIES**

Pony Express Mail Delivery

Horse Drawn Covered Wagons

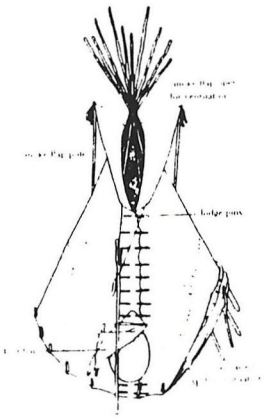
Wagon and Buggy Rides

EXPLORE Minnesota STATE PARKS

**FOOD AND DRINK TO FILL YOUR APPETITE**

Fry Bread
Funnel Cakes
Pork Sandwiches
Polish Sausages
Fresh Lemonade
Apple Cider
Pies
Fruit
Milk
Soda Pop

**SCHMIDT and SCHELL'S Beer**



**SPECIAL GUESTS AT THE FESTIVAL**

Fredrick Manfred, Author HUGH GLASS, LORD GRIZZLY, SCARLET PLUME

Gary Clayton Anderson, Author LITTLE CROW

Kevin Locke, Native American Hoop Dancer and Flute Music

Chuck Chalberg will bring "alive" IGNATIUS DONNELLY (1800's controversial Minnesota statesman and author)

**NORTH AMERICAN HISTORY THEATRE**

"Dogs in the Hot Moon"

Play based on the Dakota Conflict of 1862

**NATIVE AMERICAN HISTORY**

Archaeology
Early History
Minnesota Prior to 1862
Little Crow: His Life and People
Dance and Flute Music

This festival is supported by a grant from the Minnesota Humanities Commission in cooperation with the National Endowment for the Humanities and the Minnesota State Legislature.

**FESTIVAL ENTERTAINMENT**

Old Time Fiddlers

Bluegrass Music

Square Dance Jamboree

Folk and Traditional Music

Native American Dance/Flute Music

North American History Theatre

Minnesota Chautauqua

**SPECIAL EVENT FOR:**

**Friday Night Preview and Social Activities**

June 26, 1987 only

*If you would like to be invited to special activities and receive a 20% discount on Festival mementos, you can by becoming a:

**"Friend of the Festival"**

Contact:
Fort Ridgely Historical Festival
R.R. 1, Box 65
Fairfax, Minnesota 55332
(507) 426-7840

**CHILDRENS' ACTIVITIES**

Make and Fly Your Own Kite

Games and Races

Theatre

Activities At The Rendezvous Site

**WORKSHOPS**

Tin-Type Photography

Ceremonial Pipe and Stone Carving

Blacksmithing

Period Clothing

Military Life

Primitive Camping: Making containers and camouflage your kitchen



For Your Convenience:

**SHUTTLE SERVICES AVAILABLE FROM:**

Fairfax
Redwood Falls
Sleepy Eye
New Ulm

Contact City Chamber for Details

# River Level Inventory Form

**RIVER** _____ Dates Canoed __/__/__ to __/__/__ Number in party ___people; ___canoes

| River Level Gauge Location (river mi.) | Date | Gauge Reading | General condition of level (V. High, High, Med., Low, V. Low) |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

**TRIP EXPERIENCE :**

| Facility | Location, Name, Description | River Mile | |
|---|---|---|---|
| Put-in Access | | | |
| Take-out Access | | | |

Total time spent on trip _____hours

Total time spent canoeing/floating _____hours

Total time spent playing, fishing, etc. _____hours

1. Estimate the number of times your canoe: _____ Hit rocks _____Dragged bottom
2. Estimate the number of times these occurances were due to low water as opposed to an error.

| | low water | error |
|---|---|---|
| Hit rocks | _____ | / _____ |
| Dragged bottom | _____ | / _____ |

3. How do you feel about the frequency of hitting rocks or dragging bottom? (circle one #)

Didn't bother me at all 1 2 3 4 5 Wouldn't canoe at this level again

4. We need to know how the flow of the river affected your trip. In general, was the current:

Slow and placid 1 2 3 4 5 Swift and powerful (circle one #)

**WATER CONDITIONS:** Which of the following did you encounter on your trip?

_____Riffles _____Rapids, passable Fast water with large standing waves



A Cooperative Effort

Fold

# Thanks for your help!

By volunteering to read gauges and describe river conditions, you will help us to improve the reliability of our river level information service. This will lead to safer and more enjoyable canoeing on Minnesota's streams -- a benefit for all.

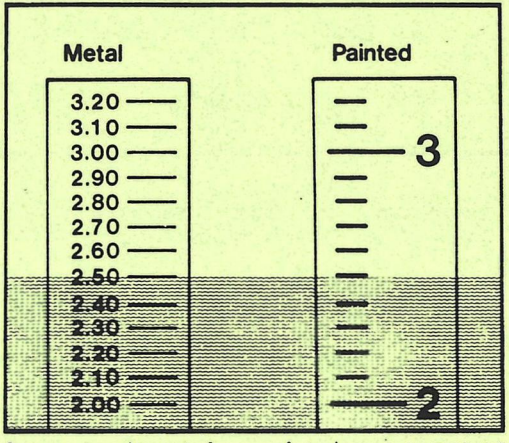
Those canoeists who fill out five forms or more this year will receive a complete set of the state's canoe and boating route maps.

INSTRUCTIONS

- Read the gauge, and record the reading on the form -- it is critical to the success of the project.
- If you do not encounter a gauge on your trip, try to give some indication of the level (e.g., exposed rocks, shoreline, banks, etc.) and record on the form.
- Be sure to include the date(s) canoed.
- Use a free DNR canoe route map -- it gives accurate information on river miles, access locations, most gauges, etc.
- Use pen or pencil and try to keep the form dry.
- Have a safe and enjoyable trip.

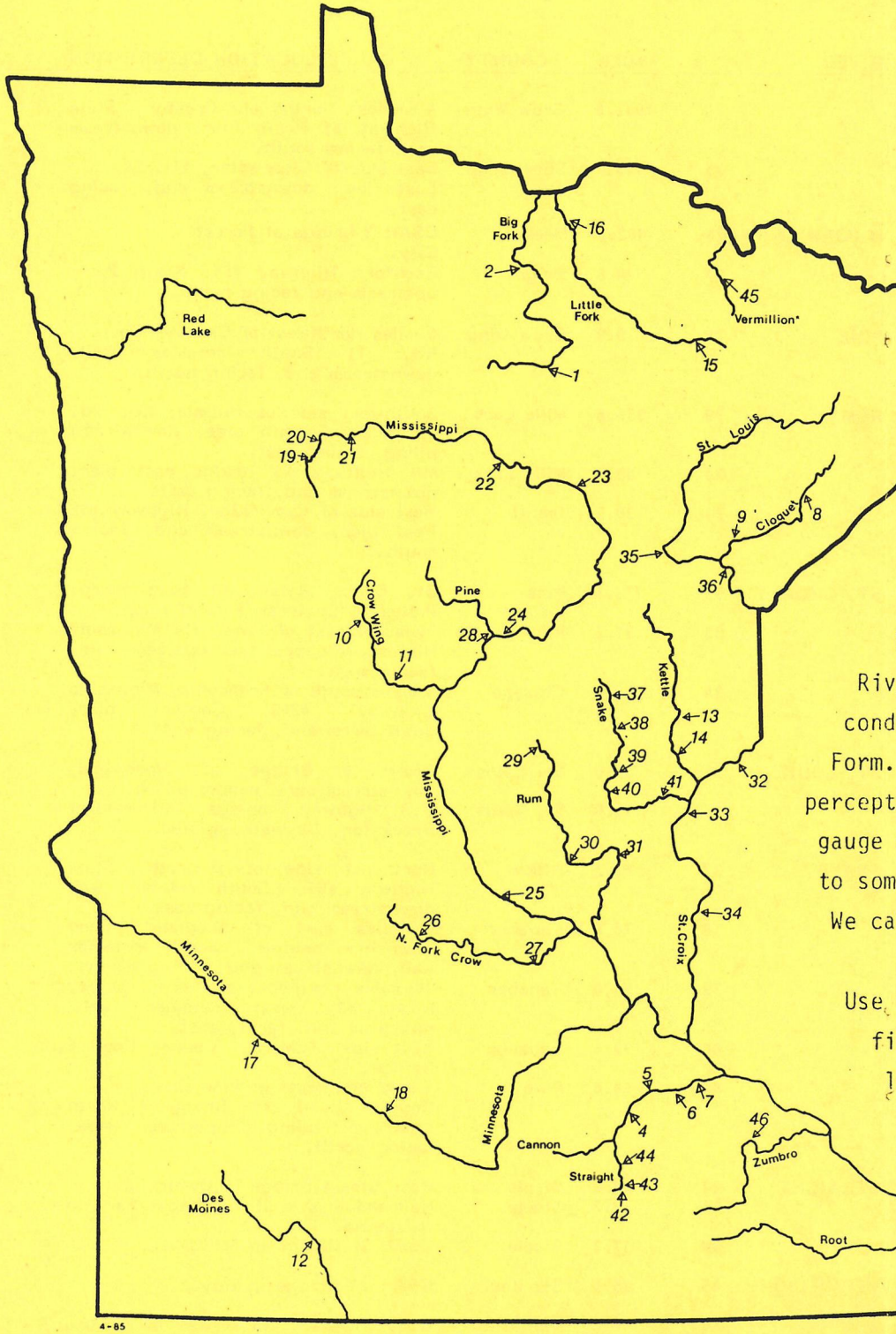
If you have questions, or would like additional forms, maps or gauge lists, contact the DNR (612-296-6699 or 1-800-652-9747).

# Reading a gauge




Gauges may be metal or painted on a permanent place such as a bridge pier. Read the number to the nearest tenth at the water line at the time of your trip. The examples show a water level of 2.5.

| RIVER | # | MILE | COUNTY | GAUGE LOCATION DESCRIPTION |
|---|---|---|---|---|
| | 24 | 1032.8 | Crow Wing | 4 miles north of Crosby; State Highway 6; North Pier, downstream end, facing south. |
| | 25 | 913.0 | Sherburne | East side of Clearwater, SH. 24, East Pier, downstream end, facing east. |
| N FORK CROW | 26 | 102.5 | Meeker | CSAH 2 bridge at Forest City. |
| | 27 | 24.8 | Wright | Rockford Highway #55, North Pier, upstream end facing north. |
| PINE | 28 | 0.9 | Crow Wing | 6 miles northwest of Crosby; Co. Rd. 11 South retainer wall; downstream end, facing north. |
| RUM | 29 | 136.6 | Mille Lacs | Southwest side of Onamia; Co. Rd. 25 Bridge, south side, downstream piling, facing east. |
| | 30 | 83.1 | Mille Lacs | MN Highway 95 bridge east pier, downstream end, facing east. |
| | 31 | 39.2 | Isanti | West side of Cambridge, Highway #95 West pier, downstream end, facing south. |
| ST. CROIX | 32 | 118.3 | Pine | St. Croix State Park Boat Ramp. Plates on upstream side of ramp. |
| | 33 | 97.2 | Pine | 10 miles east of Pine City Minnesota Highway #70 west pier upstream end, facing west. |
| | 34 | 48.0 | Chisago | 4 miles south of Franconia, Minnesota Highway #243 Center pier, downstream end, facing west. |
| ST. LOUIS | 35 | 33.0 | St. Louis | CSAH 8 Bridge at Floodwood, downstream side, middle piling. |
| | 36 | 13.0 | St. Louis | U.S. Highway 2 bridge, Southeast of Brookston, Downstream side. |
| SNAKE | 37 | 82.5 | Aitkin | Northeast side of McGrath, State Highway #65. South retainer wall downstream end, facing east. |
| | 38 | 70.2 | Kanabec | 4 miles east of Woodland; Ford Township bridge. South retainer wall, downstream end, facing north. |
| | 39 | 56.0 | Kanabec | 14 miles northeast of Mora, County Road #3, west retainer wall, upstream end, facing east. |
| | 40 | 39.5 | Kanabec | West side of Mora. County Road 6 Bridge. |
| | 41 | 11.8 | Pine | 1 mile northeast of Pine City; County Road #9 Bridge. North upstream piling, upstream side, facing north. |
| STRAIGHT | 42 | 26.9 | Steele | Rose Street bridge in Owatonna. |
| | 43 | 27.2 | Steele | Railroad trestle at Morehouse Park in Owatonna. |
| | 44 | 17.1 | Steele | CSAH 24 Bridge in Medford. |
| VERMILLION | 45 | 25.5 | St. Louis | CSAH 24 Bridge in Buyck. |
| ZUMBRO | 46 | 48.3 | Wabasha | U.S. Highway #63 bridge in Zumbro Falls. |




4-85

* non-designated route

20 SAT WHITEWATER CRUISE -- CLASS I-II. Flambeau or Brule River or similar depending on water level. Will Max, (612) 721-8964.

20 SAT METHODIST HOSPITAL MINNEHAHA CREEK RACE. **CANCELED---NO** WATER!!! We will try again next year.

23 TUE SPECIAL PADDLE NIGHT WITH WILDERNESS INQUIRY II. Lake Calhoun. 4-7 p.m. Call Wilderness Inquiry II for more details: (612)379-3858.

24 WED SPECIAL PADDLE NIGHT WITH WILDERNESS INQUIRY II. Bush Lake. 4-7 p.m. Call Wilderness Inquiry II for more details: (612)379-3858.

26-July 5 AMERICAN LUNG ASSOCIATION AND WILDERNESS INQUIRY
Ten day canoe trek on the Wild and Scenic Missouri River in northern Montana. For more information, call Bill Simpson, (612) 433-3451, or Pat McAllister at (612)227-8014 or 1-800-Lung.

27 SAT WHITEWATER CRUISE -- CLASS I-II. Kinnikinick River. Sue Hix, (612) 422-9155.

27 SAT RUM RIVER CRUISE -- CAMBRIDGE TO ST. FRANCIS. An easy day cruise at a recreational pace. Caryl Duke. 544-2668 evenings or weekends.

27-28 ST. CROIX RIVER CRUISE. Unisys Chapter. For details, see UNISYS 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 | |

1 WED MCA BOARD MEETING. 7:30 p.m. Burt Levy's house, 3204 Fremont Ave. So., Minneapolis. 823-4533.

11 SAT WHITEWATER CRUISE -- CLASS I-II. Kettle River or similar depending on water level. Pat Dokken, (612) 427-1246.

11-12 WHITEWATER KAYAKING ON THE BRULE. Unisys Chapter. For details, see UNISYS CHAPTER news.

11 SAT WHITEWATER CRUISE -- CLASS I-II. Kettle River or similar depending on water level. Pat Dokken, (612) 427-1246.

11-18 MADRAC, USA (Mississippi Annual Down River Adventure by Canoe)- from Dubuque to Burlington, Iowa. Cost is minimal and it looks like quite an event. for more information: MADRAC USA, 922 No. 3rd Burlington, Ia. 52601 (319)753-5107

12 SUN 3RD ANNUAL CANOE-A-BRUNCH. Mississippi-Showboat Landing to St. Anthony Main and return- 9:30 A.M. at Landing. An easy recreational day cruise with everyone and all types of craft welcome. More details on page 32. Harlan and Darla Nickerson. 535-1373 evenings.

MORE CALENDAR ON PAGE 22

CALENDAR--CONTINUED FROM PAGE 21

22 FRI -24 SUN WHITEWATER CRUISE. Class II-III. Peshtigo, Red and Wolf Rivers. Jeff Grigsby, (612) 636-4373.

25-26 UNIVAC MEMORY FLOAT TRIP. Lower Namekagon. Unisys Chapter. For details, see UNISYS CHAPTER news.

**AUGUST**

14-23 AMERICAN LUNG ASSOCIATION AND WILDERNESS INQUIRY Canoe and hike the Yellowstone Park backcountry. This is definitely the way to enjoy and explore the world's most famous park. For more information, call Bill Simpson, (612) 433-3451, or Pat McAllister at (612)227-8014 or 1-800-Lung.

15-23 AMERICAN LUNG ASSOCIATION, WILDERNESS INQUIRY and SAVE THE CHILDREN -- Canoe trip to the wilderness of Ontario. Everything is provided. Cost is $60.00 plus pledges. For more information, call Bill Simpson, (612) 433-3451, or Pat McAllister at (612)227-8014 or 1-800-Lung.

**HEY, RAPIDS RIDERS, WHERE'S THAT NEW LOGO????**

**NEWSLETTER OF THE WHITEWATER CANOE AND KAYAK CHAPTER**
President: John Tuttle, (612) 933-6603
Vice President: Rick Nagle, (612) 440-5335
Secretary: Kim Hochstein, (612) 934-2863
Treasurer: Paul Rem, (612) 645-3538
Membership/Cruising: Jeff Grigsby, (612) 636-4373

The first ever RAPIDS RIDERS video (courtesy of K & K Productions) will be featured at our June meeting at the Richfield Ground Round. Plese plan to attend, as Scott Pomeroy thinks it is a grand production. A June trip to Wisconsin will also be discussed and finalized.

The RAPIDS RIDERS Whitewater Class is continuing as planned, however, alternatives may be necessary due to low water levels. Stay in contact with Greg Johnson (633-0928) for current information.

As it has been in previous years, many of our trips are going off with only a few days notice. The low water levels of this season make it difficult to plan trips many weeks in advance. The best way to stay informed is to attend monthly meetings or call our cruise director, Jeff Grigsby (636-4373).

Any club members with photos suitable for a club scrap book please contact Kim at 934-2863 or bring them to one of the club functions.

Any RAPIDS RIDERS members who have changed address or phone number, please call Jeff at 636-4373

**--John Tuttle (I'll be the one that's upside down).**

## 1987 MIDWESTERN WHITEWATER RACING & RACE CLINIC SCHEDULE

Rumors are brewing that a few Rapids Riders are going to try their hand at slalom racing this year. All listed races are sanctioned by the National Slalom & Wildwater Committee. Quite a few are sponsored by our other area whitewater club, *Cascaders* with whom we hope to get some friendly competition going. You *do not* need to be an expert paddler to compete or cheer your fellow paddlers on. These races are an excelent opportunity to watch and learn from some of the best paddlers in the area, country, and world. There are 17 events in this schedule that range fron beginner to expert. So come on out, try your paddle, whoop it up on shore and find out what fast and clean is really all about! If you want more info about these races either contact the person named, or look for a soon to be "elected" racing chairperson.

| DATE | | EVENT | LOCATION | CONTACT | PHONE |
|---|---|---|---|---|---|
| JUNE | 6-7 | Wausau I | Wausau,WI | Don Sorenson | 507/373-4925 |
| | 13-14 | St. Louis Slalom & Wild Water | Carlton,MN | Randy Carlson | 218/727-2309 |
| | 20-21 | South Bend's East Race Slalom | South Bend,IN | William Knight | 219/233-6121 |
| JULY | 10-19 | ICF/87 Whitewater World Championships | Bourg-St. Maurice, Quebec-Canada | Don Sorenson | 507/373-4925 |
| | 18-19 | St. Louis Beginner Slalom | Duluth,MN | Randy Carlson | 218/726-7169 |
| | 18-19 | ACA Midwest Division Annual Open Boat Slalom | Wausau,WI | Ray Mclain | 414/468-6604 |
| | 25-26 | Whitewater Slalom Beginners Clinic & Race | White Lake,WI | Mark Zierath | 715/882-5400 |
| | 25-30 | St.Louis Decked Boat Racing and Cruising Clinic | Duluth,MN | Randy Carlson | 218/726-7169 |
| | 27- | Whitewater Junior Race Clinic (Thru 8/16) | White Lake,WI | Mark Zierath | 715/882-5400 |
| AUG | 1 | Slalom Nationals | Wausau,WI | Don Sorenson | 507/373-4925 |
| | 1-2 | Mid-America International Slalom #1 | Wausau,WI | Wausau Area Chamber of Commerce | 715/845-6231 |
| | 8-9 | Mid-America International Slalom #2 | Niagara,WI | Ardis Larson | 715/251-3120 |
| | 15-16 | Mid-America International Slalom #3 | South Bend,IN | William Knight | 219/233-6121 |
| SEPT | 12-13 | St.Croix Slalom | Taylors' Falls,MN | Bob Schuetzler | 612/722-2875 |
| | 25-27 | Last Ditch Slalom | White Lake,WI | U of Wisconsin Outing Club President | 608/262-1630 |

# DULUTH TRAVELER



**NEWSLETTER OF THE TWIN PORTS CHAPTER**
President: Fred Freeman, (218) 525-6486
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

Our April meeting night was one nice warm evening, and I really didn't expect much of a turnout. I was wrong. We had a very good turnout and I can only think it was because they really were interesed in what our speaker had to say. Ken Gilbertson gave a very interesting and worthwhile presentation on the liability we all face, but particularly trip leaders. He didn't use any scare words or phrases. His talk made us aware of the responsibility we have when we are leading a trip.

Tom Nicodemus reported on the progress for the North Country Canoe Weekend, and by now you have seen the notice in the May **HUT!** I still don't understand how he can expect canoeists to tell tall tales. They just don't do those things. Anyway, it looks like a fun weekend for all. I hope you can make it.

Don't forget to look at the calendar for our planned events and join us if you can.

Keep on paddling. If you can find enough water.--**Fred Freeman**

# Mississippi Mud

**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

Rookie Racing is off to the best start in recent years. There has been a nice mix of beginning racers, intermediates, and "old pros," and so far we've had enough boats for everyone. People appear to be working together and race results will probably reflect this serious training and cooperation.

Once again a reminder to check before showing up for a race this year. With low water there have already been a lot of changes or cancelations.--**Bill Simpson**

TRAINING:
Rookies -- Mondays - 5:30 - U of M Showboat Landing, Minneapolis.
Wednesdays - 5:30 - St. Croix DNR landing, Stillwater.

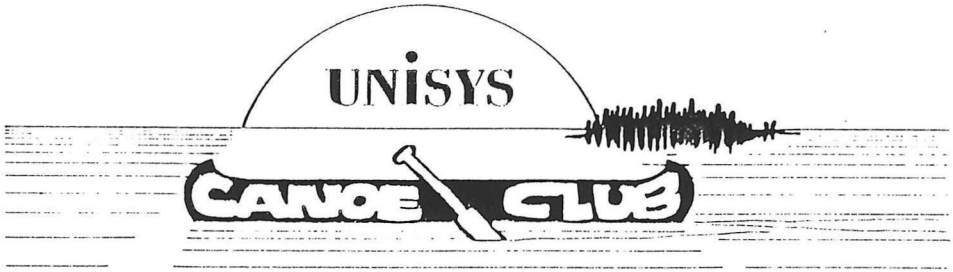
Reminder to race organizers: Please send in race results summary to the **HUT!** editor by the 10th of the month for inclusion in this column.

## MINNESOTA 1987 RACE CALENDAR -- JUNE 1987

| DATE | RIVER/LAKE | COMMUNITY | EVENT | CONTACT |
|---|---|---|---|---|
| 5/30 | Cannon River | Morristown, MN | | Jim Warmemunde (507) 685-4200 |
| 6/7 | Straight River | Medford, MN | Straight River Days | Jerry Kay (507) 451-3760 |
| 6/13 | St. Croix River | Taylors Falls, MN | Log Jam Days | Doug Thomas ??? |
| 6/13 | Des Moines River | Windom, MN | River Fest | Gary Vanderwerf (507) 831-1572 |
| 6/13 | Elk River | CANCELED---------- | ---------- | David Sipe (612) 441-6821 |
| 6/20 | Minnehaha Creek | CANCELED---------- | NO WATER---------- | Ken Yager (612) 474-1212 |
| 6/28 | Cannon River | Faribault, MN | Heritage Days | Tom Schema (507) 332-2808 |
| 6/28 | Mississippi River | Little Falls, MN | River Festival | No info at this time. |
| 6/28 | White Bear Lake | White Bear Lake, MN | 2nd Albino Bear Canoe Race | Mark Trumper (612) 439-5459 |
| 7/4 | Mississippi River | Winona, MN | Steamboat Days | (tentative) |
| 7/11 | Minnesota River | Mankato, MN | Bend of the River | Dale Henek (507) 625-2770 |
| 7/11 | Mississippi River | St. Cloud, MN | W, W & W Triathalon | Dan Stark (612) 251-5092 |
| 7/18 | St. Louis River | Duluth, MN | Gitche Gumee Canoe Classic | Scott Neustel (218) 724-8525 |
| 7/26 | Several | Ely, MN | Amateur Canoe Marathon | Steve Piragis (218) 365-5024 |
| 8/1 | Minnehaha Creek | Minnetonka, MN | Up the Creek | Ken Yager (612) 474-1212 |
| 8/2 | Little Rock | Saint Cloud, MN | Little Rock Pro/Am | Dan Hunstiger (612) 393-2033 |
| 8/14-8/16 | | | USCA Nationals | No further info at this time. |
| 8/29 | St. Croix River | Stillwater, MN | Women's State Championship | Bill Simpson (612) 433-3451 |
| 8/30* | Rum River | Anoka, MN | Mixed State Championship | Betty Ketter (612) 561-2208 |
| 9/12 | Mississippi River | Coon Rapids, MN | Mississippi Classic | Betty Ketter (612) 561-2208 |
| 9/23 | St. Croix River | Stillwater, MN | Solo Championship Final | Bill Simpson (612) 433-3451 |
| 10/3 | St. Croix River | Stillwater, MN | Apple Fest | Bill Simpson (612) 433-3451 |

*Date tentative

| | | | | |
|---|---|---|---|---|
| 6/4-8/6 | Lake Calhoun Thursdays | Minneapolis, MN | Hoigaards Race Series | Jim Lind at Hoigaard's (612) 929-1351 |




**NEWSLETTER OF THE UNISYS CHAPTER**
Winnie DauSchmidt (612)456-6792 (w) (612)644-6115 (h)

June 13-14 UPPER IOWA (1c) Saturday-Sunday

The Upper Iowa features dramatic changes in terrain. You will be canoeing through rolling pasture land, gentle hills and dramatic limestone bluffs. 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 but peaceful river. For info call Ron Dahl, 888-4797.

June 27-28 ST. CROIX (1c) Saturday-Sunday

The upper St. Croix has something for everyone: beautiful scenery, swim spots, novice rapids, floatable currents, and free camping. Saturday 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 info call Joe Reischel 733-3467 (w), 776-0861 (h).

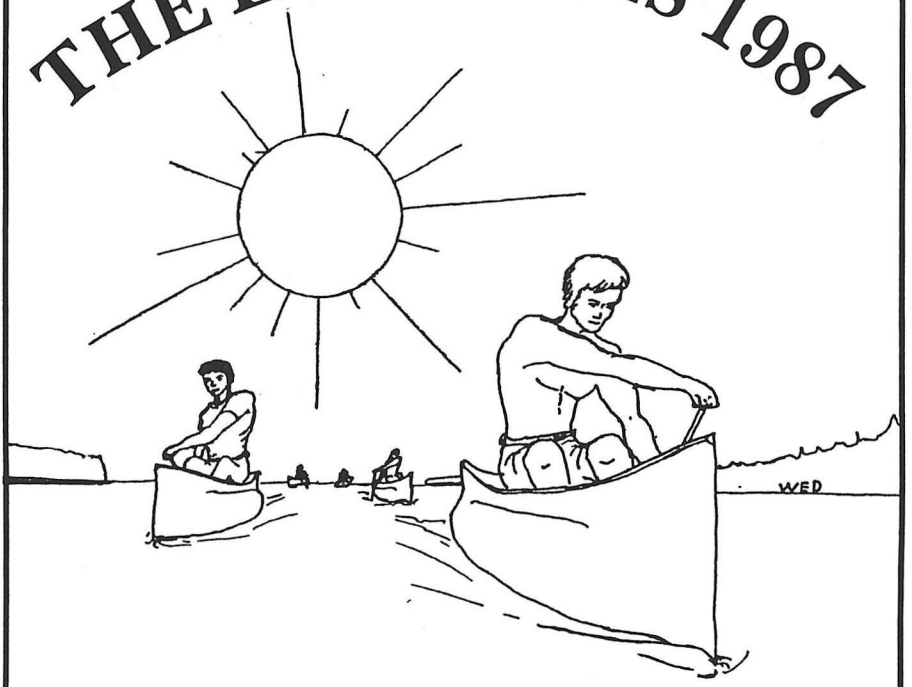
July 11-12 BRULE (1k-2k) Saturday-Sunday
ADVANCE RESERVATIONS REQUIRED.

Have you ever thought you would like to try kayaking? Here's your chance, because on tis trip we rent kayaks. Every year we take new people and give them kayak training. On Saturday we conduct dry land training, them put on the river to feel the effects of river currents and some mild rapids. The entire Saturday trip takes about four hours, allowing time for volleyball, swimming and a campfire. Sunday we practice our newly learned techniques by running several enjoyable rapids. COST: $21, for kayak two days and Saturday night campground fee. For guaranteed spots reserve by June 20th; space available reservations accepted through July 1. For reservations or more info:

Winnie DauSchmidt 456-6792 (w) 644-6115 (h)
Gary Brunsvold 435-4667 (w) 423-4744 (h)

WHAT'S AROUND THE BEND? Mark this date on your calendar: July 25-26. We are planning a special UNIVAC memory FLOAT trip on the lower Namekagon. The slow pace will give you time to enjoy the scenery, bask in the warmth, observe the animals, and celebrate the hazy days of summer. Contact your old canoe buddies and come along. Saturday evening we'll have time for swimming at campsite, renewing old friendships, and reminiscing 'round the fire. We'll be holding a "Tall Tale" contest after dark. Sunday we'll have lunch on the highest sand dune in northern Wisconsin, somersault ?? races to the water's edge, and skipping along water covered sand bars. Watch next month for details.--**Winnie DauSchmidt**

# THE ELY RACES 1987




## JULY 24, 25, 26
## SEMER'S PARK ON SHAGAWA LAKE

- ★ Friday Evening: Canoe Fun Race
- ★ Saturday: Run, Canoe, Bike Continuous Triathlon
  10.5 Mile Canoe Derby
- ★ Sunday: Canoe Marathon 26 miles, 12 portages
- ★ Thursday-Sunday: Blueberry Arts Festival in Whiteside Park

Sponsored in part by Piragis Northwoods Co. and The Chocolate Moose

**For Information Write:**

**Ely Races**
**C/O Piragis Northwoods Co.**
**105 N. Central Avenue**
**Ely, Minnesota 55731**

**EDUCATION & SAFETY--CLASSES FOR 1987**

The following classes are planned for the remainder of this year. Please read the general section and class descriptions very carefully. If you still have questions after re-reading the material, contact the listed coordinator for your event. If you can't make contact with the person coordinating the event, call me at (612) 473-4565, and I'll help you. See you on the river!
**--George Skinner**

**General Information on MCA Classes:**

- **--You must be a current MCA member.**
- --Your boat must be currently licensed. We use state parks and state laws will be enforced.
- --All paddlers must have approprate PFD's; decked boaters must also have helmets.
- --For day classes, bring: snacks and lunch, canteen, proper clothing for projected weather, a change of clothes (in case you get wetter than anticipated), and sunscreen.
- --Any additional special gear is detailed in the class descriptions.
- --Unless otherwise noted, you will be responsible for providing your own boats, transportation, shuttles (organized by instructors), camping gear, and food.
- --A class registration form and release must be completed by all participants for each class attended. Send all registrations to listed coordinator.
- --Unless otherwise noted, all registrations and class fees must be received by mail no later than one week before the scheduled class. No refunds after the cut off date.
- --All class fees are per person.

Do not attempt to register for more than one class per registration form. Make and fill out photocopies if you intend to take several classes.

**CLASS REGISTRATION FORM ON PAGE 36**

**Class descriptions:**

RIVER RESCUE:

A "hands on" weekend stressing technical rescue techniques such as: Z drags, telfor lowers, and tag lines. All are critical in rescue of swimmers and equipment in moderate to heavy whitewater. Participants should be graduates of a whitewater class and possess intermediate to advanced skills. Camp fee included, bring your own food. Details mailed after registration.
Dates: July 11, 12.
Fee: $20 due July 1, no refunds after July 1.
Place: Eau Claire County Youth Camp (to be confirmed).
Limit: 20 people.
Coordinator: George Skinner, 485 Vixen Rd., Wayzata, MN 55391, 473-4565.

I have been receiving registration for this very popular class. In very short order it will fill, get your registration in. The book RIVER RESCUE by Bechlel and Ray is very good. I suggest you read it before the class.--George Skinner

ESKIMO ROLLING:

An essential technique for all decked boaters is learning to right an overturned kayak or decked C-1 while remaining inside of it. This class will cover wet exits, eskimo rescues, and the eskimo rolls. Beginners are welcome. All boaters must supply their own equipment. Some paddling technique is briefly covered, but not to the extent necessary for proper boat control (Whitewater Class recommended).

Summer sessions:
Dates: Aug 4, 6.
Fee: $10 due July 29, no refunds after July 29.
Place: Lake Nokomis.
Time: 7:00-8:30 p.m.
Limit: 16 people.
Coordinator: To be announced.

EFFICIENT PADDLING:

This class has something to offer most anyone from beginners to well seasoned paddlers who thought J-strokes or ruddering were the only way to control their canoe's direction. Switch paddling techniques as pioneered by MCAer's will be the main emphasis. Other topics include basic safety, boat trim, paddle selection, and boat control. Upon completion of this class, you will be amazed at how effortlessly you can move across the water in your canoe.
Summer session: Efficient paddling.

July 21. On-the-water instruction. $10.00. 12 person limit. Furthur details to be announced.

REPAIR CLINIC:

A "hands on" workshop where you will learn many innovative repair techniques for your fiberglass, Kevlar, woodstrip and possibly aluminum and ABS boats. Preregistration will not be required for this workshop.

Special equipment: Your own mildly to hopelessly crunched boat to work on and suitable work clothing. Use of safety goggles, dust masks and hand protection is highly recommended.

Other details to be announced.

**MINNESOTA CANOE ASSOCIATION BOARD MEETING MINUTES**
April 1, 1987

The meeting was called to order by Al Gustaveson, President, at 7:39 p.m.

In attendance were: Al Gustaveson, Jim and Verna Robinson, Caryl Duke, John and Debbie Murphy, Burt Levy, John Tuttle, Bob O'Grady, Don Mitchell and Bill Simpson.

The March minutes were approved as read.

MINUTES--CONTINUED ON PAGE 30

MINUTES--CONTINUED FROM PAGE 29

Burt Levy reported that he had purchased slide projector equipment. He needs to purchase one more lens, but will be right in budget.

The board received a letter from Fred Freeman, of the Twin Ports Chapter, regarding chapter support funds.

A motion was made by Jim Robinson, seconded by Burt Levy and unanimously carried to give a stipend of $325 to the Twin Ports Chapter for chapter assistance.

New Business: Larry Nelson of the Minneapolis Park Board wondered if the MCA would be willing to give canoe rides in the large voyageur canoe. The MCA would be willing to do this if the park board is willing to pay any liability insurance costs.

Old Business: John Tuttle reported on the Rapids Riders Chapter and the whitewater certification scholarships. Eight members from the Rapids Riders received partial scholarships and are looking forward to the school.

Cruising: Bill Simpson stated that Paul Schollmeier from the Mississippi River Revival asked if any MCA members would be willing to help during the June 27 river cleanup. He asked that MCA members clean up from canoes. (See article on page 17.)

The meeting was adjourned at 9:05 p.m.

Respectfully submitted,
Debbie Murphy, Secretary


# EMS IS YOUR COMPLETE CANOE HEADQUARTERS!

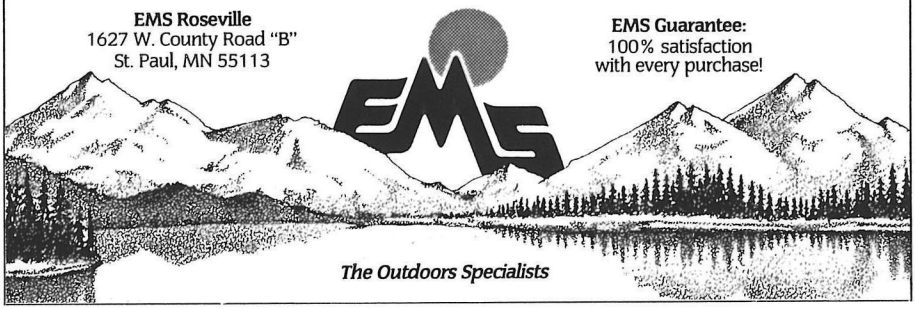
**EMS, The Outdoors Specialists provides you with the best quality canoes and kayaks from Mad River, Sawyer, We-No-Nah, Old Town, Ranger, Mohawk, Perception and Aquaterra.**

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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**EMS Guarantee:**
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## I'D RATHER BE CANOEING

Again, this month's **HUT!** got a little out of hand with its center inserts. Last May we promised to hold down the number of sheets included with your **HUT!** Well, we have not equaled our record of four centerfolds.

The importance of the River Survey form cannot be over-emphasized. Its annual inclusion in **HUT!** is of vital importance to canoesport in Minnesota. The survey is a cooperative effort of the MCA and the Minnesota Department of Natural Resources.

The MCA works closely with the DNR in promoting events in Minnesota. We would like to call your attention to the center insert concerning the Fort Ridgely Historical Festival. This event commemorates the 125th anniversary of the Dakota Conflict of 1862. Be sure to look over the brochure and plan to attend this event.

We would like to thank the DNR for providing these inserts for inclusion in **HUT!**

We also would like to call your attention to Lieutenant Governor Marlene Johnson's invitation to join the Family Canoe Day on the Minnesota River on June 13. The MCA was instrumental in in founding of this event. We have participated every year since its inception. This year the MCA will be providing pre-launch coffee and doughnuts. Most of the **HUT!** staff will be there so you can get a chance to complain or compliment us. Wear your MCA t-shirt so people will know what a great group we are! (If you don't have an MCA shirt, be sure to see the assistant editor, she will have some along to sell.)

Be sure to consider coming along on the Mississippi River clean-up sponsored by the Mississippi River Revival. (See page 17.) If you have had the opportunity to paddle The Father of Waters through the Twin Cities, you know the he needs a cleanup rather badly. Let's do our part to improve this waterway. Also, wear that MCA t-shirt. With the low water levels this year, we may have to paddle Ol' Miss a lot. Bob Brown has been recommending the river for a long time and this is your chance to paddle it and do your environmental good deed.

By this time you should have your North Country Weekend registration sent in. We attended the first event two years ago but could not attend last year. We are looking forward to this great event sponsored by the Twin Ports Chapter.

PLEASE!!!!! Remember to observe submission deadlines--Articles by the 10th of the month; Ads and Calendar items by the 15th.

See you at the North Country Weekend.
**--James Robinson, Publications Director and HUT! Editor**

**Great Northern Canoe Base**

**"Gateway to the Northern Canoe Country!"**

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- Hemlock, Alumacraft
- Legacy Cedarstrip-Epoxy Canoe Kits
- McCann, Cannon Paddles
- River maps, BWCA maps, guidebooks
- Canoe Accessories, packs

**1620 S. Main**
**Rice Lake, WI 54868**
**(715) 234-1149**

Old Town
A TRADITION OF QUALITY...

## MINNESOTA RIVER--TRIP REPORT

The river was low, too low. Were we going to canoe from Shakopee to Fort Snelling before sundown? The shuttle for the autos was to take place at 9:00; it took place at 9:30. One member of the party forgot that he would have to buy a State Park permit to get into Fort Snelling and had to find an Instant Cash Machine. (He knew how to get to the Park and met us there.) Another member had a time problem and thought the Fort was too far to go and still have time to get to their other appointment. Still a third member thought the Fort (27 river miles per the DNR map) was too far for the "first cruise" of the season. These two members spotted cars at Cedar Avenue. The cruise started at about 10:30, half an hour later than planned.

I kept looking at the map and figured the we would have a lunch stop at the Bloomington Ferry Bridge (county road 18). This I thought was the half way point. In point of fact, half way was where county road 34 (Normandale Boulevard) crosses the river. I informed the group that I thought the bridge at county 34 was very unique. It was built by the railroad. It is of the swinging type with the pivot in the middle. It has one set of railroad tracks and one lane for cars that are side by side. It is no longer in use. If you are not doing anything else some Sunday, go take a look at it.

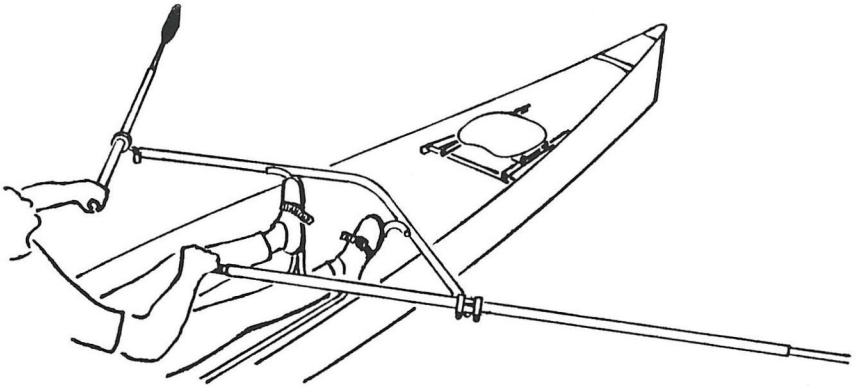
The group consisted of nine canoes; six tandems, three solos. One of the tandems was equipped with a Canoe Sculler (see ad in **HUT!**). Two ladies were paddling their Alumacraft with Feather brand paddles and were falling off the pace, so Darla and I let them use our extra set of Clement paddles. Within a few strokes they were able to feel the difference a good paddle makes. It also was easier for them to keep up. We got to Cedar Avenue where the ladies had their car parked, said our thanks and goodbyes and the rest of us continued on to Fort Snelling Park.

All the canoes made it to the Park by 5:00, about an hour to spare (the park closed at dusk). For those of you who called and then canceled, or did not want to come on this cruise, you missed a good time. For those who did come, thanks for a successful cruise. There are reasons few names are mentioned in this article; one is to save you embarassment, the other is that I am bad at names and do not remember them. Come next year when we have a normal winter in Minnesota and the trip time will be cut in about half.

**--UM, UM, OH yeah, Harlan Nickerson**

## SECOND ANNUAL CANOE-A-BRUNCH

It is that time of year again to see what Downtown Minneapolis looks like from a canoe. Yes it's Canoe-A-Brunch time. Bring your Coleman, Aluminum, glass or even your woodstrip canoe. The trip will start at the University Showboat landing at 9:30 a.m., July 12. We will paddle UPSTREAM through St. Anthony Falls locks to St. Anthony Main. There we will have brunch at one of the restaurants (bring money or your credit cards). After brunch we will tour the shops to work off the brunch. We will then put back on the river and go back DOWNSTREAM to the Showboat landing. On our way back you will have a chance to kiss the bottom of St. Anthony Falls with your canoe, water level permitting. For more information, contact Harlan Nickerson, 535-1373, evenings.



## Announcing CANOE-SCULLER

-the new concept in canoeing

Broaden your horizons with big water canoeing. Go 7 miles farther per day than when paddling. Portaging is easy. The CANOE-SCULLER with oars weighs less than 30 lbs..

### You get all this for $389.95

*OAR LOCK CLAMPS prevent over-feathering.

*SIXTY-EIGHT INCH SPAN improves oar handling.

*DROP-IN-FRAME requires no fastening.

*ADJUSTABLE 10 FT OARS give you right amount of leverage.

*UPHOLSTERED SLIDING SEAT provides comfort.

### FREE OAR BLADE with purchase

Now get one oar blade free when you purchase the CANOE-SCULLER. This tough polycarbonate plastic blade fits paddles too and comes in handy in case of emergencies. But hurry! Offer ends July 8, 1987. Fill out the certificate today and mail to CANOE-SCULLER LTD, Dept. 5A, Box 335, Fountain City, WI 54629

Tel. 507 454-6764 (Hours: M-F 11 AM to 7 PM)

Official Mail-in Certificate EXPIRES 7/8/87

FREE polycarbonate oar blade

This offer good only when you purchase the CANOE-SCULLER. The CANOE-SCULLER performs as advertised; or return within 30 days of delivery for full refund of purchase price (except ship. & Handl.). All orders require full prepayment. Allow 6 to 8 weeks for delivery. Unless instructed otherwise, CANOE-SCULLER ships all orders F.O.B. from Fountain City, WI FREIGHT COLLECT. (Wis. residents add 5% tax)

☐ Yes, I wish to buy the CANOE-SCULLER. Please send me the FREE BLADE
☐ I do not wish to make a purchase, but please send more information
☐ Payment enclosed (check or money order)

Name_____
Address_____
City_____
State_____ Zip_____

Canoe-sculler Limited

Offer good only in MN, WI & IL. Void where prohibited, taxed or restricted. Offer good while supply lasts. Official Certificate must accompany your payment (no reproductions). Certificate non-transferable. Group entries void. Limit one free per name or address.
MAIL TO: CANOE-SCULLER LTD, DEPT 5A, BOX 335, FOUNTAIN CITY, WI 54629

# 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:**

**COMPANY OF ADVENTURERS** looking for a fourth. We are planning three weeks on the Churchill River (Canada), starting August 16th. We outfit ourselves and will split the costs of the trip itself. Call Lou, (612) 429-5781.

**ONE TO THREE CANOES WITH EXPERIENCED OCCUPANTS** for three week wilderness trip on the Seal River in northern Manitoba. Late July - August. This trip is surprisingly affordable. Contact Marshall Helmberger at Rt. 60 Box 1682, Tower, MN 55790.

**OPPORTUNITY TO CANOE ALASKA--CHEAP.** Ride there with me and share expenses. Plan to do 100-150 miles on a class II or III river somewhere in central Alaska. Possibly fly in. Looking for people to canoe with or ride up and back. Leave fourth week in July. For more info call or write Bill Griffin, 237 Cannon View Drive, Red Wing, MN 55066. (612) 388-6682.

**CANOEING PARTNERS** for boundary waters or area rivers. Have all equipment and van. Share gas expense. Can go anytime. Call Charlie, (612) 374-4834.

**USED PERCEPTION DANCER KAYAK.** In good condition. Call collect, William Portilla, (218) 728-1277, evenings/weekends.

**DAMAGED OR WORN KAYAKS AND CANOES** (need not be paddleable) for MCA River Rescue Class. You know you won't fix it, so donate it! George Skinner, 485 Vixen Road, Wayzata, Mn. 55391 (612) 473-4565.

**FOR SALE:**

**HIDDE PADDLES.** 50" wood, $55; 54-1/2" wood, $55; 52" foam, $60; 53" foam, $60. **WENONAH 007 PRO-BOAT.** Kevlar, wood trim, bailer. Used very little. $850. **KVALE CUSTOM BIKE.** Reynolds 61 cm. frame, Campy Super Record components. Two sets of wheels. Great for training, triathalons, racing. Cost $1500. Make offer. Call Jerry, (612) 541-9810.

**KLEPPER 17' FOLDBOAT** with sailing package. Good condition. Make offer. Call Doug, (507)774-2326 / 2797.

**MOHAWK SCAMP.** 1985, red. Rigged with air bags, pedestal, thigh straps and knee pads. Very good condition. $525. Chuck Sedgwick, (612)476-6563.

**WENONAH ADVANTAGE.** Cruising model, fiberglass. Good condition. $350. Call Jim, evenings, (612)588-5228.

**USED HYDRA AND PERCEPTION KAYAKS.** Very good condition. $300. With spray skirts and air bags. Contact Carolyn Milbrath, (612)291-6789.

**C-1 CLOSED BOATS (TWO).** Both in good shape. One high volume, the other medium. Split air bags, ethafoam walls, spray skirts and cockpit covers for both. $350 each, or make offer. Call Ray, evenings/weekends, (507) 238-9584.

**SEDA ORION C-1.** Kevlar/graphite/epoxy composite. Medium volume. Split bags and neoprene skirt. Excellent shape. $400 or make offer. Call Tom, (218) 879-9272.

**SOLO RACING CANOE:** J-150, 16'6" wood strip boat, with the "new" hull specs, designed and built by Gene Jensen. In excellent condition. Well suited for a smaller paddler. $600. (612) 433-3451.

**PERCEPTION SADDLE.** Brand new in box. Best offer. Call Marcus, (612) 894-3523.

**GREAT WHITE WHALE.** Immaculate 18'6" Kevlar/S-glass Mad River TW Special. Padded ash yoke, extra thwarts (beefed-up for tripping), knee pads, etc. Replacement cost on this boat is around $1800. Will sell for $1250. Cliff Jacobson, (612) 437-7497.

**********

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

**********




# Looks Aren't Everything.

Bending Branches' glossy, all-natural wood paddles *are* beautiful. But good looks are only one part of a fine quality paddle. Bending Branches offers paddles of unusual durability, lightness, balance, and—feature for feature—spectacular value. We create beautiful paddles that last—for serious sportsmen and women. Insist on them at your local sport shop.

We invite you to write or call for our free color information packet and dealer list.

BENDING BRANCHES

**Bending Branches**

1101 Stinson Boulevard, Minneapolis, MN 55413

**612/378-1825**

# MCA CLASS REGISTRATION FORM

All information is confidential, for instructors' use only.

CLASS TITLE _____

CLASS DATES _____

NAME _____ SEX_____ AGE_____

ADDRESS _____

CITY/STATE/ZIP _____

PHONE (HOME) _____ (WORK)_____

EMERGENCY CONTACT: NAME_____ PHONE _____

**EQUIPMENT**

Are you supplying your own boat? Yes_____ No _____

Type of boat: Canoe-Tandem_____ Canoe-Solo _____ Kayak _____

If paddling tandem, who is your class partner?_____

*All boats must be currently registered!*

**MEDICAL INFORMATION**

If you have a medical condition, please explain (example: heart condition, diabetes, high blood pressure, epilepsy, acute allergies, etc.). Also note any medication you might be taking. _____

_____

**SKILL LEVEL** Please check the highest level at which you are *competent*.

PADDLING

_____ No experience
_____ Lakes
_____ Easy rivers/moving quietwater
_____ Mild rapids/Class I
_____ Intermediate rapids/Class II
_____ Advanced rapids/Class III

SWIMMING _____ Strong _____ Moderate _____ Weak _____ Non-swimmer

Other related experience or instruction you have had, and general comments: _____

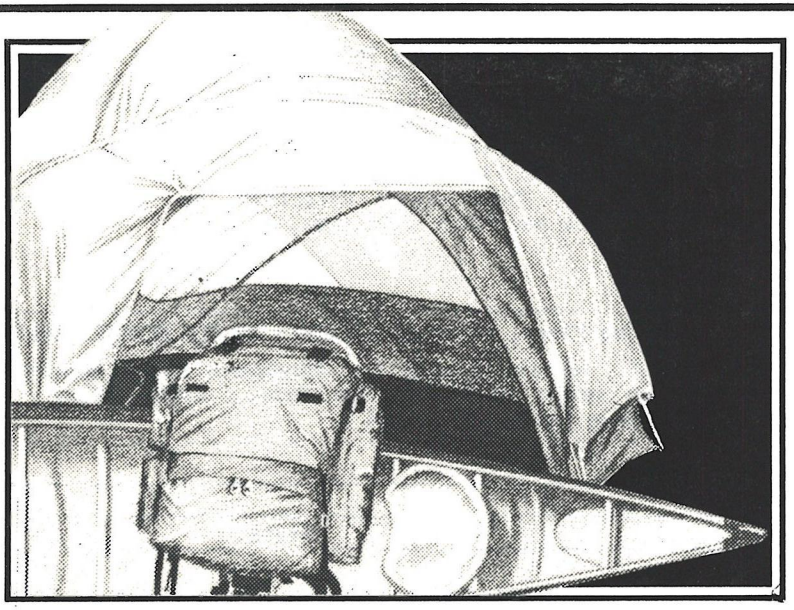
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**Note:** *All students under 18 years of age must have a parent or approved guardian participating in the same class.*

**LIABILITY RELEASE**

I understand that the MCA and affiliated chapters always strive to make my boating experience as enjoyable and safe as possible. However, some element of risk always exists in canoeing, kayaking, and other water activities. I do hereby recognize this risk and agree to hold harmless the Minnesota Canoe Association, its outing organizers, and instructors from liability for any personal loss or injury which I may incur, and do hereby waive any remedy I may have in law or equity. This liability waiver is in effect while in transit to and from any MCA event, and while participating in any MCA outing.

Signature _____ Date _____



WE SUPPLY THE EQUIPMENT . . . YOU SUPPLY THE ADVENTURE

Hwy. 100 at 36th Street **929-1351**

Hoigaard's

**HUT! AD RATES**

| Page Size | Monthly Cost* | Width/ Height |
|---|---|---|
| 1/4 | $20 | 4.7"/1.9" |
| 1/4 | $20 | 2.2"/3.9" |
| 1/2 | $30 | 4.7"/3.9" |
| Full | $50 | 4.7"/7.8" |
| Double page | $90 | |

**Send photo-ready copy with payment to:**
Verna Robinson
**HUT!** Advertising
4421 36th Ave. N.
Crystal, MN 55422
Make checks payable to the MCA.

**ADS WILL BE PRINTED WITHOUT REDUCTION IN SIZE**
**ADS MUST BE RECEIVED BY THE 15TH OF THE MONTH PRECEDING PUBLICATION**

*Monthly cost will be reduced by 5%, 10%, and 15% when ads are run consecutively for three, six or twelve months, respectively.

Company Name _____

Contact Name _____ Phone _____

City _____ State _____ Zip _____

Ad size _____ No. Issues ____ Payment Enclosed $ _____

**HELP SPEED UP THE MAIL**

When you write to the MCA using the Post Office box address, your mail may be delayed for some time until someone can open it and determine who should handle it. By adding the name of the individual to whom it is directed, you can speed things up greatly.

If you are ordering building books, plans, T-shirts, etc., send your order to the address listed on the order form.

Be sure to put "Membership Director" on all Membership Applications, Renewals and Address Changes.

**Canoe Building Plans, $5.00 each (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: _____

[ ] Woodstrip canoe building manual with Explorer and Guide plans

[ ] BWCA Cruiser

[ ] MCA 14' Solo

[ ] Free Spirit Solo (Brown)

[ ] 17' Osprey (Zapf)

[ ] 17' Kootenay (Kunz)

[ ] 15'6" Kootenay Solo (Kunz)

[ ] 15'6" Solo Canoe Pirate (Brown)

[ ] 15' Solo (Ketter)

[ ] Griffen II Solo Kayak (Brown)

[ ] 18'6" 4&32 USCA Racer (Burley)

[ ] 18'6" 3&27 Racer (Ketter)

[ ] 30' Voyageur Canoe (The cost of this plan is $20)

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

**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 the Apple Valley depot. Call Bob Brown for prices and availability.

**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 | 454-7207 | Eagan |
| | Steve Franklin | 457-3369 | So. St. Paul |
| | Bob Brown | 432-7557 | Apple Valley (West System only) |

## 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 14207 University 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.:

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone:(____) _____

[ ] If you're moving, check here and fill in your new address above.
Include your **HUT!** mailing label for proper handling.
**The Post Office will not forward HUT!**

## 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.

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

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

| Description | Color (1st) | (2nd) choice | Size | How many | Amount |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | Mailing (shirt orders only) | | | 1.50 |
| | | Total amount enclosed | | | |

Minnesota Canoe Association, Inc.
P.O. Box 14207
University Station
Minneapolis, MN 55414

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Minneapolis, MN

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☐ **Functional:** Puts your knees and back in supportive opposition to give you perfect posture without strain in any sitting position. ☐ **Lightweight:** Entire chair weighs eleven ounces. ☐ **Adjustable:** One size fits everyone. ☐ **Portable:** Rolls, folds or tucks into small storage spaces; Can be worn like a vest to serve as portage pads. ☐ **Versatile:** Use it boating, hunting, fishing, packing, spectating — Anywhere you sit. ☐ **Durable:** Made of closed-cell foam, delrin buckles and 2-inch webbing — Practically indestructible. ☐ **Flexible:** Allows for easy movement when sitting by using your body's natural frame. ☐ **Incredible:** But true! **NADA-CHAIR** is a *brand new invention* that works — Guaranteed to change the way you feel about sitting! ☐ **Available:** Call your specialty sporting goods store.

Available for $25 in Brown, Green, Navy, Red, Royal, and Camo.
Send *check* or *money order* to:
**NADA-CHAIR,** 842 22nd Ave. SE., Mpls,. MN 55414
For *Visa* or *MasterCard* orders call: **612-623-4436**