HUT!

1981

FEBRUARY

Newsletter of the Minnesota Canoe Association Inc.

Calendar of Events

FEBRUARY

4 Wednesday — Canoe Design & Building Seminar
MCA's February program.
Brooklyn Center Civic Center
6301 Shingle Creek Pkwy.
Brooklyn Center
7:30 p.m. (see article inside)

7 Saturday — Cross Country Ski Race & Family Tour
This is the Cascader's Challenge Race to other chapters and members of the MCA at 3M's Tarten Park (see article last issue)
2:00 p.m.

10 Tuesday — Advanced Cross Country Ski Course
Through the Science Museum of Minnesota Wilderness Institute.
7:00-10:00 p.m.
Call Julie Betz, 221-9439

11 Wednesday — Monthly Directors' Meeting
Folwell Community Center
1615 Dowling Ave. North
Minneapolis
Members welcome

14 Saturday — Day on the Snow Field Trip

18 Wednesday — Meeting of St. Cloud Chapter
7:00 p.m.
Great River Regional Library
405 West St. Germain
St. Cloud, MN 56301

26 Thursday — Meeting of the Racers at Karl Ketter's place to discuss early spring runs. Rookies, new racers and potential racers are all invited to attend.
1957 Lake Street
Roseville, MN

MARCH

4 Wednesday — Whitewater - MCA Monthly Program
Ray Masterson from the Minnesota Department of Natural Resources will present a slide show entitled "Flowing Waters" and the whitewater film "The Uncalculated Risk".
Wood Lake Nature Center
735 West Lakeshore Drive
Richfield, MN
7:00 p.m.

7 Saturday — Skiing or Hiking - William O'Brian State Park. For further information, call Caryl Duke at 544-2668.

11 Wednesday — Monthly Directors' Meeting
Chris Berne's
5057 Ewing Avenue South
Minneapolis
7:30 p.m.
Members welcome

18 Wednesday — Canoeing Show
At Midwest Mountaineering

APRIL

1 Wednesday — Water Safety - (No foolin')
MCA Monthly Program
Time and place to be announced

7 Tuesday — Survival Course through the Science Museum of Minnesota Wilderness Institute. Course by Tim Kneeland with additional workshops on the 14th and 21st, and a field trip on the 25th-26th.
Call Julie Betz at 221-9439
7:00 - 10:00 p.m.

8 Wednesday — Monthly Directors' Meeting
Time and place to be announced

8 Wednesday — Program on kayaking in Alaska and on Canada's Fraser and McKenzie Rivers. Slide show and lecture by Chuck Benda.
Midwest Mountaineering

16 Thursday — Meeting of all Racers at Betty Ketter's place to learn the completed plans of the 1981 season.
101 - 79th Avenue North
Minneapolis

MAY

4 Monday — Wilderness Self Reliance through the Science Museum of Minnesota Wilderness Institute. Additional minimum impact workshops (by Tim Kneeland) on the 6th, 11th and 13th, with a field trip on the 16th-17th.
Call Julie Betz at 221-9439.
7:00 - 10:00 p.m.

5 Tuesday — BWCAW Cruising - MCA Monthly Program
Time and place to be announced

Woodstrip Canoe Building Program

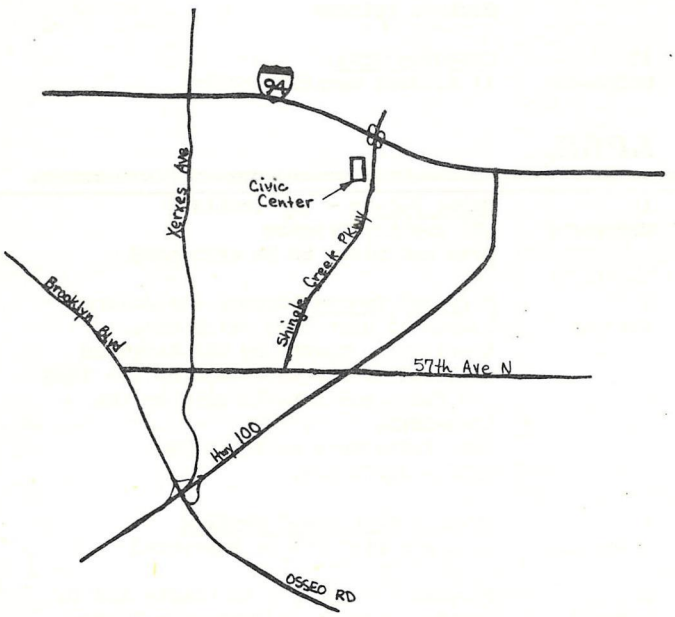
by Lee Hunt

The MCA's February program will be about building woodstrip canoes. The program will include topics that will be of interest to experienced builders as well as those who are thinking of building their first canoe.

Mike Zapf of the St. Cloud chapter (winner of the 1980 boat building contest) will be on hand to explain the building techniques that have been adopted by the St. Cloud chapter. These techniques are slightly different than those outlined in the MCA's building book.

Other topics will include information on materials, and if time allows, an informal question and answer period.

If you have wanted to build a canoe but always thought it would be too difficult, this is your chance to find out how easy and fun it really is. The program will be held at the Brooklyn Center Civic Center at 6301 Shingle Creek Parkway.



Are you MOVING?

If you do not notify the MCA of a change of address, you will not receive your copy of the "HUT". Each "HUT" that is returned to the MCA because of a wrong or insufficient address costs the MCA .25¢. "HUTS" will not be forwarded to a new address due to the bulk rate mailing. If you have recently moved or are planning a move, or the address on the "HUT" you are now receiving is in error, please contact Terry Lemke, Membership Director, as soon as possible.

DO WE NEED MORE CANOEABLE RIVERS IN MINNESOTA?

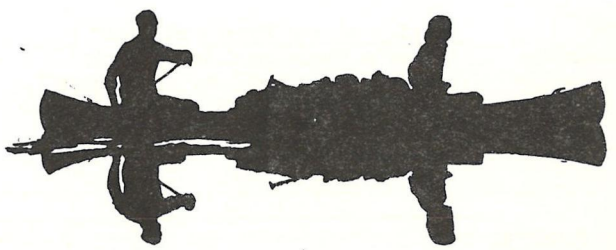
Do we need more canoeable rivers in Minnesota? If you're at all interested in canoeing, your answer is going to be an emphatic "yes". How can we create more canoeable rivers? After all, there are not very many rivers in Minnesota, and it took glaciers thousands of years to creat them. So how do we create more canoeable rivers? The answer lies with the Minnesota Department of Natural Resources Canoe and Boating Route section.

Obviously, the Canoe and Boating Route section can't create more rivers, but they can create more accessible rivers. The Canoe and Boating Route section has surveyed over 200 rivers in Minnesota (yes, over 200) in the past few years. Of these 200 rivers, less than 10% are designated as canoe and boating routes. So what of the remaining 90% of the rivers? Well, some of these rivers are uncanoeable, and some of these rivers are only canoeable certain times of the year, but many of them are canoeable from spring to fall. However, most of the canoeable rivers are inaccessible and lack camping and rest areas. This is where the Canoe and Boating Route section comes in.

The aims of the Canoe and Boating Route section are to provide for public access to rivers, to provide for camping and resting areas along rivers, and to publish maps of rivers designated as canoe and boating routes. There are four rivers the Canoe and Boating Route section would like to get designated this year. They are:

Vermillion River - St. Louis County
Blue Earth River - Blue Earth County
Pine River - Crow Wing County
Sunrise River - Chisago & Pine Counties

A river, to be designated as a canoe and boating route, needs legislative approval, and before the legislature can consider designating a river, it has to be on the agenda for that legislative session. Now the DNR is supposed to submit eligible rivers to the legislature, but there are certain factions with the DNR that would like to see the Canoe and Boating Route program drowned in the rapids of obscurity. So there were no rivers submitted for designation this legislative session. However, there is still a chance to get the above four rivers designate this session, but it needs your immediate attention. Call your state legislator NOW and have them try to get these four rivers designated canoe and boating routes this session.



HUT! STAFF

Editor. . . . . Sharon Gilman
Publications. . . . . Mike Gilman
Chief Typist. . . . . Kathy Cegla
Stat Camera . . . . . Christopher Stroth
Calligraphy . . . . . Mary Sodergren
Acting as Artist. . . . . Mike Gilman

South American Expedition

by Mike VandeVyver

Those people planning to join the MCA South American Expedition should apply for passports no later than May 30, 1981.

Money will be exchanged in Peru, and you should apply for an American Express card no later than May 30.

Expedition members must have a money belt or a neck-worn pouch made. This could be worn under your shirt and should be wide enough for passports, etc. The currency exchange rate as of January 5 is 360 sols to one dollar.

There will be a set fee of $10 to be used for information of maps, etc., to be sent no later than April 7. There will be a group supply cost of $30 for group needed items (medical kits, etc.)

Each person will be responsible to come up with his fair share of personal camping gear.

* * *

Our plan is to drive to Chicago, Illinois on July 28 or 29 to meet with other members. We will then drive to Miami, Florida on July 30 or 31, 1981, and fly out of Miami to Lima, Peru. We will then rent a truck and drive over the mountains 300 miles down to Tingo Maria on the Huallaga River, and kayak or canoe down to Yurimaguas, Peru, 380 miles. We will return to Lima, Peru from Yurimaguas, about 700 miles, and fly back to Miami, Florida. We plan to return home about the 24th of August, 1981.

TOTAL COST EXPENSE PER PERSON

1.	Round trip to Florida	$170/person
2.	Round trip to Peru	525/person
3.	Boat cost (somewhat refundable when resold)	500/person
4.	Group supply cost, for medical kits (refundable leftover toward gas to Florida)	30/person
5.	Information cost for maps, etc. (refundable leftover toward gas to Florida)	10/person
6.	Cost to drive 300 to 600 miles in Peru	100/person
7.	Spending money for food, etc., in Peru	200/person
	TOTAL COST	$1,535/person

NOTE: Prices are subject to slight change.



101 - 79th Avenue North / Minneapolis, Minnesota 55444

POSITIONS OPEN

HUT! is reorganizing its staff, and the following positions are now open.

Editorial Assistants: These people are responsible for the articles in each issue, which will be handed over to the editor for final editing. You will contact contributors to past issues of HUT! for follow-up stories; research past issues of HUT! for pertinent material to be reprinted; contact interesting sources for new material; and write some of the general interest stories. An interest in English or journalism would be helpful.

Section Editors: The responsibilities for this position are the same as for editorial assistant. The difference is that the articles will be about one topic, such as conservation, equipment, camp cooking and helpful hints, travel areas, etc.

Art Director: This person is responsible for the visual content of HUT!. You will lay out the articles and illustrations; do some keylining, and supervise artists doing the rest; and arrange for printing. A commercial art background would be helpful for this position.

Artists: These people will create illustrations for articles; illustrations and designs for brochures and club flyers; design and layout advertisements in HUT!; do backup keylining and paste-up for art director. An art or commercial art interest or background would be helpful for these positions

Applicants for these positions may contact Mike Gilman, 935-5799 evenings. This is an excellent opportunity for those people getting started in the fields of journalism and commercial art to get that needed experience and meet fellow creative people who share your interest in canoeing.

☆☆☆ Free ☆☆☆

On-the-job training for anyone interested in taking over as Membership Director next year for the MCA. What a chance to become involved! Term begins in October (upon approval of MCA members at election of officers meeting) and lasts for one short year or however long you may be interested in it (2-3-4 years).

Spring seems to bring on canoeing fever and the river itch, and membership volumes practically triple in size. What a more perfect time to learn the ins and outs. Let me reassure you through—it's not that hard or time-consuming. You meet new fellow canoers, keep up on the latest information, and stay in the know.

It might not be a bad idea either for me to have a backup person in case I'm not able to finish my term—you never know. Or someone to help if new members get to be that many. You'll have a great board of officers to work with.

VOLUNTEER - TAKE PART - BECOME INVOLVED and call Terry Lemke at 331-2798 if interested.

THE ULTIMATE CANOE CHALLENGE

A 28,000 MILE ODYSSEY BY PADDLE AND PORTAGE



Verlen Kruger
2906 Meister Lane
Lansing, MI 48906
Ph.(517)323-2139

Occupation:
Plumbing Contractor

Born: 30 June'22
Height: 5'6"
Weight: 160 lbs.
Wife: Jenny
Children: 9
Grandchildren:17



Steven G. Landick
2906 Meister Lane
Lansing, MI 48906
Ph.(517)321-5559

Occupation:
Plumber

Born: 9 Feb.'53
Height: 5'11"
Weight: 170 lbs.
Wife: Sarah

FACTS IN BRIEF

WHAT: The 'Granddaddy' of all canoe journeys. An odyssey of 28,000 miles that thoroughly explores the North American continent.

WHEN: May of 1980 to November of 1982. (2½ years of continuous traveling)

WHERE: Starting at the headwaters of the Missouri River and canoeing to the far reaches of this vast continent to wind up paddling home to Lansing, Michigan.

HOW: Traveling under our own power (with the help of the good Lord) each in a homemade one-man canoe.

WHO: Just two canoe fanatics without assistance of any kind on land or water.

WHY: Our deep love of freedom, independence, and adventure that we find in traveling by canoe.

THE EQUIVALENT OF FOUR MAJOR CANOE TRIPS IN ONE CONTINUOUS JOURNEY

1. "THE CHALLENGE BEGINS"... 9,493 mi. 9 mo.
   Red Rock Lake to New Orleans
2. "GULF OF MEXICO TO THE FROZEN SEA"...6,548 mi. 7 mo.
   Mouth of Miss. River to Inuvik (Arctic Ocean)
3. "WEST COAST--ARCTIC TO THE TROPIC"...6,896 mi. 8 mo.
   Arctic Ocean to the Gulf of California
4. "IMPOSSIBLE JOURNEY"... 5,451 mi. 6 mo.
   Mouth of Colo. River to HOME; Lansing, Michigan (thru the Grand Canyon!)

Total.....28,388 mi. 30 mo.

TIME & DISTANCE SCHEDULE

MAP CODE	DATE		LOCATION	MILEAGE
0.	1 May	1980	START...Red Rock Lake, MT	0
1.	10 June		Bismark, ND	1,251
2.	2 July		St. Louis, MO	2,575
3.	10 Aug		Oscoda, MI	3,558
4.	11 Sep		Lake Ontario	4,299
5.	14 Oct		Bay of Fundy, N.B.	5,682
6.	14 Nov		New York City, NY	6,538
7.	10 Dec		Wilmington, NC	7,296
8.	5 Jan	1981	Key West, FL	8,335
9.	7 Feb		New Orleans, LA	9,493
10.	10 Mar		Cairo, IL	10,448
11.	10 Apr		Minneapolis, MN	11,302
12.	1 May		Lake Itasca, MN	11,833
13.	4 June		Flin Flon, Man.	13,110
14.	1 July		Lake Athabasca, Sask.	13,763
15.	1 Aug		Great Bear Lake, NWT	14,828
16.	7 Sep		Arctic Ocean, NWT	16,041
17	2 Oct		Port Yukon, AK	16,866
18.	2 Nov		Skagway, AK	17,811
19.	12 Dec		Victoria, B.C.	19,009
20.	22 Jan	1982	San Francisco, CA	20,046
21.	15 Feb		San Diego, CA	20,743
22.	20 Mar		Cabo San Lucas,Baja, Mex.	21,880
23.	21 Apr		Colorado River, Mex.	22,937
24.	21 May		Grand Canyon, AZ	23,576
25.	20 June		Lake Powell, UT	24,012
26.	21 July		South Pass, WY	24,636
27.	4 Aug		Thermopolis, WY	24,800
28.	4 Sep		Lake Winnieg, Man.	26,480
29.	10 Oct		Au Train, MI	27,675
30.	1 Nov		FINISH...Lansing, MI	28,388

The Ultimate Canoe Challenge

A 28,000 Mile Odyssey by Paddle and Portage

(Taken from February/March 1980 issue of U.S.C.A. Canoe News)

The Paddlers

Steven G. Landick

A few of my major canoe experiences:

Six trips to the Boundary Waters of Minnesota (1965-73)
Solo kayak trip, Maine to Michigan, 1,400 miles (1971)
Solo kayak trip, 900 miles up the Columbia River (1973)
1st place Texas Canoe Marathon, 500 miles (1974)
Au Sable River Race, mixed record, 16 hours, 8 min. (1974)
3rd place, USCA National Marathon Championship, C-1 Division (1979)

Verlen Kruger

A few of my major canoe experiences:

1st place Int. Canoe Derby, Atikokan, Ont. (1966)
1st place, Canadian Pro Championships (1966-67)
Finished Au Sable River Race ten times, 180 miles (1967-79)
Non-stop maration; Int. Falls to Grand Portage, 260 miles, 80 hours, 40 min. (1969)
500 mile test run; Wawa to Moosenee, 10 days (1970)
'The Cross Continent Canoe Safari'; 7,000 miles, Montreal to the Bering Sea, Alaska (1971)
1st place Texas Canoe Marathon; 500 miles (1974)

The Route

The route was carefully designed to encompass a wide variety of canoe travel and avoid any winter layovers. It is our intent to follow the exact route as outlined on the map. However, due to the very nature of wilderness canoeing, we will have to remain flexible. Several modifications in the route are available to us if significant problems are encountered. For instance, if Pacific storms were to slow our pace, we could be forced to portage the Baja Peninsula — certainly not a desirable option! No single section of the journey was chosen for ease of travel or to merely increase our overall mileage. On the contrary, many separate and unique challenges add up to what we hope will be "The Ultimate Canoe Challenge".

In early May, we will begin our journey at Red Rock Lake, the source of the Missouri River. Starting high in the Rocky Mountains, the river will carry us swiftly to St. Louis, following much of the Lewis and Clark trail. Spring will turn to summer as we head up the Illinois River and arrive on Lake Michigan at Chicago. Our travel around Michigan will be interrupted briefly to enter the famous "World Championship Au Sable River Canoe Race". One evening in late July many of North America's best marathon canoeists will gather in Grayling, Michigan for the start. Racing 180 miles non-stop through the night and the following day, we will finish on Lake Huron after 15 grueling hours.

After a day's rest, we will head for Niagara Falls by way of Detroit and Lake Erie. Lake Ontario, the Erie Canal, Lake Champlain and French-speaking Quebec are some of the highlights as we aim toward the rising sun, saltwater, and the cooler months of autumn. Several tough portages will carry us over the height of land and into Maine. Time permitting, a side trip to the highest point in the state, Mt. Katahadin, will precede our travel down the Allagash Wilderness Waterway, the St. John River and into the Bay of Fundy. The world's highest tides (up to 53 feet) will have to be negotiated with caution!

From the Bay of Fundy to New York City we will cross many segments of open ocean exposed to the full fury of the North Atlantic in late fall. Paddling by the Statue of Liberty to the beginning of the Intercoastal Waterway should be a moment to remember. With eager anticipation of the warm southern climate, we will head for Miami and Key West. If water and weather treat us well, we could spend a unique Christmas in the Everglades.

Arriving at the mouth of the Mississippi will be a goal we will have long looked forward to because we both enjoy upstream paddling and the challenge it presents. The full length of the mighty river during the peak of flood season (late winter/early spring) should prove interesting indeed! Our plan is to arrive at Lake Itasca, the headwaters, by late April, which is the earliest possible date of ice break-up.

Lake Itasca is a turning point in "The Ultimate Canoe Challenge". Is it possible to canoe to the Arctic, turn around, and beat winter back? Even if we had chosen the old fur trade route, it would not be easy. Our trip, however, takes us off the main route into the remote bush country of Canada. The portages will be longer and more numerous. Resupply will be difficult, and the distance between settlements is as far as 1,000 miles. It could be the biggest challenge of the trip and the toughest race of our lives. Working together closely as a team will be critical at this stage. A late "break-up" on any of the lakes could cause a delay too great to overcome. On the positive side is the Canadian wilderness itself...the greatest canoe country on earth.

For 500 miles we will work our way up the powerful Yukon River. If we can portage over the infamous Chilkoot Pass of gold rush fame before winter has us in her icy grip, we will be free to head south, with over 5,000 miles of treacherous Pacific coast ahead. The November weather on British Columbia's inland passage will be far from ideal with high winds, heavy rains, sleet and snow.

The coast from Canada southward will test to the utmost all of our ability, judgement and perseverance. It is fully exposed to the Pacific Ocean, and it will be during the worst of the famous west coast winter storms. We will convert our single craft into a double-hulled catamaran canoe much the same as a Hawaiian outrigger. Bringing the boat through the surf will be impractical at best, and we will be forced to paddle from harbor to harbor. Winter storms are not likely to cooperate. It will certainly be the most dangerous section of the entire journey. Then, if we are fortunate enough to navigate the Baja coast to the mouth of the Colorado River, we will tackle the last of our major challenges.

The only previous non-motorized upstream attempt to traverse the Grand Canyon on the Colorado met with failure. Information we have received from experts and our study of many Canyon maps have been favorable. We have strong confidence that we can succeed. That success will be determined in part, however, by the National Park Service's willingness to grant us a special permit. Following the Grand Canyon, we will still have many more rapids and canyons to negotiate on up the Colorado and Green Rivers. A 66-mile portage, our longest, will carry us over the Continental Divide through 7,400-foot South Pass into the Big Horn River watershed in Wyoming. From there we will be homeward bound!

Cont. on Pg. 11

BWCAW MINIMUM IMPACT SELF EVALUATION

by Tim Kneeland

Today we are faced with yet another challenge in our efforts to protect the Boundary Waters and other wildlands in the United States: the mounting recreational impact of the users. With an increased amount of leisure time, discretionary income, and interest in "getting into" the out-of-doors, canoeists, backpackers and other enthusiastic, well-intentioned people are inadvertently leaving their mark upon our natural environments. The traces of many users avalanche into a pattern of abuse. Many are also suffering needless hardship because of their lack of knowledge on preparing for a trip that should be comfortable, safe and accomplished in a highly ethical manner. Little consolation is found in the fact that most of this damage is not malicious, but rather being done by many who fought hard for preservation. Much of people's conduct and wilderness camping techniques are rooted in outdated attitudes and practices. The spirit of the pioneer is important, and indeed necessary, but must be modified by a little less "conquering" of our wildlands.

We must not just talk of the new ethic; we must embrace it and learn how to travel through an area and leave it in as natural a state as possible. We must be willing to forego many of the things we used to feel were part of our wilderness experience — large fires (in many lands, fires can't be tolerated at all), ditching around tents, using axes and saws for the sake of using them, using natural living vegetation for any purpose, scattering our wastes, burying our garbage, singing in hard-to-reach lands, and washing freely in clear, cool waters. We must be willing to enjoy a different kind of wilderness travel and camping — a fireless night, soft conversation, smaller groups, and the challenge of maintaining a minimum impact, self-sufficient posture regardless of the varying conditions that may beset us in a wildland environment.

The following test is submitted for your enjoyment, alone or in a group. In fact, it might be beneficial to discuss the questions as a group and come up with the best collective and creative answers possible. Please take the time to write out your thoughts so they can be compared to the answers.

(Editor's Note: The answers to the general questions will be covered in our next issue and hopefully we will be able to print the answers to the rest of the questions before the May 5th MCA program meeting about the BWCAW.)

GENERAL QUESTIONS

1. Why do you go to the BWCAW?
2. What experiences do you anticipate having?
3. What types of "user conflicts" exist in the BWCAW and other wildland areas?
4. How can these conflicts be resolved?
5. What, if anything, has ever lessened your wilderness experience?
6. Why is the pioneering ethic no longer acceptable in wildland environs?
7. What do self-sufficiency and self-reliance mean?
8. How do your expectations change as you reach deeper points in the wilderness?

PRE-TRIP

1. What does one normally do before leaving on a wilderness trip?
2. What and how many people make up a good group?
3. Should a group include small children? What special problems could be encountered?
4. Why should pets be allowed in the wilderness, if indeed, they should be?
5. Should most groups have a recognized leader in charge before the trip begins? Why?
6. Why is it a poor idea to go on a trip alone?
7. Why should you repackage things that come prepacked in cans and bottles?
8. Is a stove necessary?
9. Why should you carry a firearm into the wilderness? Explain.
10. Do you have to plan a tough experience for it to be a good experience? Explain.
11. Why do some people feel that the number of miles canoed or portaged are key elements?
12. What should your first aid kit contain?

TRIP

1. In the BWCAW, what determines your campsite?
2. When traveling the trails, what determines your choice of campsites?
3. How can you keep dry without ditching your tent?
4. How far from water should you try to locate your tent?
5. Is it a good idea to cook in tents? Why or why not?
6. Where else would one cook when the weather is bad?
7. When and how do you cache your food?
8. How can you tell if the water around you is safe to drink? If not, how do you purify it?
9. How many improvements do you usually make to your camp? What types?
10. Is it important to have a good working knowledge of lashing and axe-personship?
11. When does one make use of a bough bed? Where are the best boughs obtained?
12. Where should you locate your drying lines?
13. How and where do you wash your dishes?
14. How and where do you brush your teeth?
15. Where do you wash yourself with soap?

16. When is it okay to wash directly in the water with soap? Does biodegradeable mean safe?

17. How do you clean up without using soap?

18. What do you do with food wastes (all types)?

19. What should you do with your garbage?

20. What should you do with other people's garbage you encounter?

21. What garbage, if any, should be buried? Discarded in the latrine?

22. What is okay to feed to animals around your camp?

23. What is the best method of getting rid of fish guts?

24. If a person smokes, where is it safe to smoke? What do you do with the butts?

25. Where do you go to the bathroom in the BWCAW?

26. When and how do you dispose of human wastes when a latrine is not provided?

27. What special concerns about human wastes exist in the winter?

28. Where are people required to "bag" their waste materials? Why?

29. Should a group build a latrine if one is not provided?

30. Why shouldn't you shortcut a trail switchback?

31. What concerns should you have for boot damage to the environment?

32. What special concerns about impact does an owner of an aluminum canoe face?

33. How can you discourage a person from peeling bark from trees?

34. Why do people build fires?

35. Is a fire necessary for your wilderness experience?

36. Where should you build your fires in the BWCAW?

37. What can you always find in a firepit—anywhere?

38. Why is it a bad idea to circle your fire with rocks?

39. Where do you get wood for your fire?

40. How big does a fire have to be?

41. Are you sure that every fire you have built has been dead out? How can you tell?

42. What should you do after you break camp to ensure you have not left a trace of your visit?

43. What items/materials is it okay to leave for the next user?

44. Is it okay to sign in the wilderness? What concerns should you have?

45. Is it okay to play frisbee on a wilderness trip? Why?

46. What are some compatible activities with a wilderness experience?

47. Is it necessary to have blending or earthtones in your clothing and equipment?

48. Should people be required to replace bright colored clothing and equipment?

49. What first aid should you know before you lead or participate in a BWCAW trip?

BWCAW Reservations

Turn your thoughts toward summer weather and mail in those reservations for visits to the Boundary Waters Canoe Area wilderness in northern Minnesota this summer.

Permits are made available on a first-come, first-served basis, and there is a quota on the number of people allowed in to the various areas of the BWCA from May 14 through September 7. The quotas for popular dates, such as the opening of fishing season and Memorial Day weekends, are filled early.

Reservations are accepted by phone, mail or personal visit at the Superior National Forest District Ranger Stations in Grand Marais, Ely, Cook, Tofte and Isabella. For information write:

Superior National Forest
P.O. 338
Duluth, MN 55801

Ask for the package on the BWCAW, including a map that is avilable upon request.

The addresses and phone numbers of the District Ranger Stations are listed below:

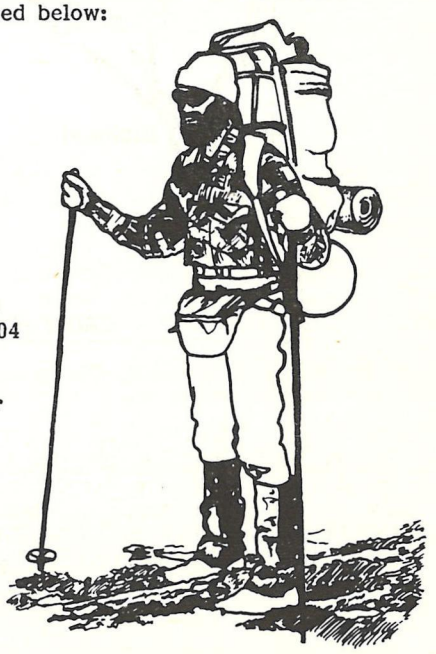
LaCroix Ranger Station
Box 1085
Cook, MN 55723
(218) 666-5251

Isabella Ranger Station
Box 207
Isabella, MN 55607
(218) 323-4255

Gunflint Ranger Station
Grand Marais, MN 55604
(218) 387-2451

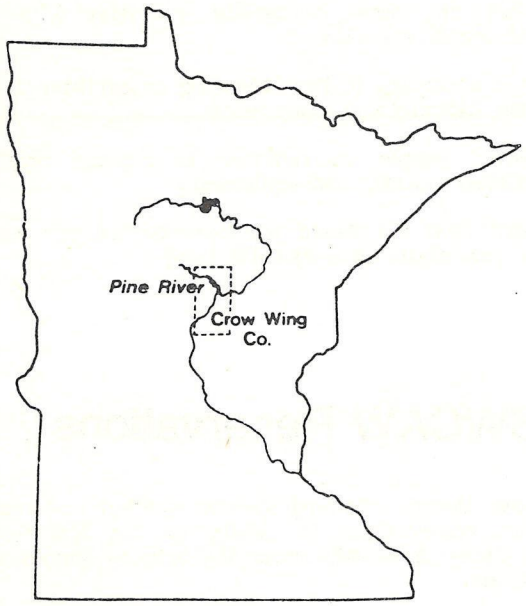
Voyageur Visitor Center
Box 149
Ely, MN 55731
(218) 365-6126

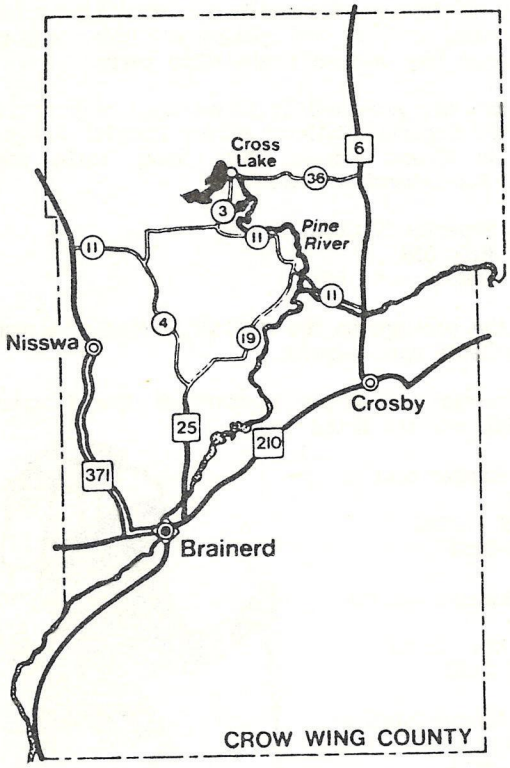
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Tofte, MN 55615
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PINE RIVER

LOCATION





This is the second in a series on Minnesota rivers. In the January HUT!, the Vermillion river in St. Louis County was highlighted. This month, HUT! features the Pine River in Crow Wing County. Both these rivers are being considered for designation as canoe and boating routes.

The Pine River, much of which flows through Crow Wing State Forest, is an excellent stream for the average canoeist. Downstream from Cross Lake, the river is quite scenic, with densely wooded shoreline along much of the route, interspersed with marsh and farmland. The river itself presents a wide range of characteristics from mild rapids to quiet pools. Sandy banks border a deep valley between Cross Lake and Pine Lake. Below Pine Lake, the stream flows through a marshy area on its way to the Mississippi.

Fishing is excellent and several species, including northern pike, walleye and rock bass, may be seen through the clear waters. As you paddle downstream, you may also observe the abundant wildlife, such as deer, beaver, muskrat or great blue heron.

Though the average depth is about three feet, water levels do fluctuate. Consult the District Forester at Crosby for information on canoeing conditions and camping. Flies and mosquitoes can be a nuisance at times, so come prepared.

Route Description

Mile	
18.9	Cross Lake Dam
18.8	County Road 6 Bridge
17.6	Access, Stairway Landing off County Road 36
17.4	Start of Rapids
17.2	County Road 36 Bridge
15.6	Alternate Access from Pine Lake
14.5	Dam
10.2	DNR Campsite, right bank
8.0	DNR Campsite, right bank
7.2	Trail to Greer Lake Campground, left bank
5.7	Little Pine River enters from the left
4.7	DNR Campsite, right bank
0.9	Access, Harvey Drake Landing at County Road 11 Bridge
0.7	Start of Rapids
0.0	Pine enters Mississippi River

NATURE IN THE CITY

by Helen Olson

I'd like to remind you folks in the Minneapolis area of a park that you may be overlooking because it's so close and convenient.

Around Thanksgiving, I took a hike with a friend in Moir Park in the heart of beautiful downtown Bloomington. I first skiied part of it last year, but wanted a different perspective.

There is more than one entrance, but the one at 104th and Morgan Avenue South appears to be the trailhead. The trail follows the bluffs along Nine Mile Creek as it winds toward the Minnesota River. The return trail runs alongside the creek. You will have to remove your skis to cross 106th Street, but it is well worth the inconvenience.

I'm not sure how close the trail approaches the river as we were turned back by approaching darkness and a beaver who had dammed the creek, flooding the trail. Shortly upstream of the dam, the stream had begun to flow quite rapidly, leading me to believe that we were very near.

Mississippi Mud

NEWS OF LONG DISTANCE RACING

RACE CALENDER IN MARCH

Warren Thunstrom has collected information on over two dozen races for the coming season. Most of these are citizen races. We haven't been able to locate a race organizer for some events, so if you are that organizer or you know where he's hiding—pass the information on by calling 612-780-2866. We want to hear from Olivia, Elba, Waterville, Franklin, Mora, Grand Rapids, and Renville so that we can help get paddlers to your events.

* * *

RACING CANOE EVENTS

Pine City will be holding a racing canoe event in the second half of August. This will become part of the Point System as details are worked out. This brings to four the number of Point System events to date (Medford, Mankato, Classic and Little Falls), with hopes for races in Grand Rapids, Monticello and Watertown.

* * *

L-D RACING MEMBERSHIP

Membership in the Long Distance Racing chapter of the MCA grew this spring to 27 paid racing families. The goal is to maintain a group of 100 racing canoe enthusiasts. The $10 racing membership fee covers three seasons of racing or until 1982, when the fee will be collected again.

* * *

RACING CANOE PLANS

Racing canoe plans are available for $15 from Karl Ketter, 1957 Lake, Roseville, MN 55113 (Phone: 612-636-8116). Available plans include an 18'-6", 3x27 International racer; an 18'-6" USCA Amateur racer; and a 15' C-1 that meets the USCA width specifications.

* * *

MEASURE YOUR HULL RESISTANCE

He's at it again! Only this time, with a little help and cooperation from other racers, he might pull it off! Chris Berne is using his formidable knowledge of metrology (scales, for all of the uneducated) to measure the resistance of various designs of canoe hulls as they move through the water. Tests will be conducted with various cargo weights and at different speeds. If you want your canoe tested and analyzed, contact Chris Berne, 5057 Ewing Avenue South, Minneapolis 55410, at 612-929-5714 or 544-2422.

Offers of assistance will be accepted. Gene Jensen, I'm sure some kind of reasonable consulting fees can be negotiated.

SMCRA NEWS

With the racing season now over for the year, the Southern Minnesota Canoe Racing Association has won its share of awards. With over 100 starts in 16 races throughout the midwest, our racers took home 47 first, 28 second, 6 third and 10 fourth place awards.

Our club had 6-7 teams competing in 17', 3x31 canoes at the races sanctioned by the SMCRA. These sanctioned races were Blue Earth, Medford, Watertown, Mankato and Northfield. The Club's high point winners for 1980 were named at a picnic held on September 19. The men's award went to Kirk Ellerbusch; women's — Karen Wincell and Margie Neuman; mixed couples — Doug Sumner; juniors — Bev Sumner and Terri Twa.

Our members' racing record for the year is as follows:

	1st	2nd	3rd	4th	5th
Doug Sumner	1	4	2	1	2
Larry Kriesel	1	4	1	1	2
Craig Caron	1	2		1	3
Duayne Wincell	6	2			2
Scott Ankeny	5	2	1		3
Margie Neuman	4	1		1	
Karen Wincell	4	1		1	
Bev Sumner	4	3		2	
Terry Twa	4	2		2	
Penny Pitan	3	1			
Kirk Ellerbusch	3	1			
Tom Ellerbusch	4	1			
Julie Ellerbusch	3	1			
Renee Jandro	3				
Pat Sumner	1	1		1	
Other		2	2		3
Watertown	5	4		4	
Blue Earth	8	4	2		
Medford	10	4		2	2
Northfield	8				
Mankato	2	6			
Waterville	2			2	
Zumbro Falls			2		
Wascott	2				1
Hohka	2	2			
Osage	4			2	
Franklin		2			1
Rockford	4	2			
Des Moines		2			
Miss. Classic					4
USCA Nat.					5

For further information on the club or standard canoe racing, contact Larry Kriesel, 425 - 16th Street SW, Owatonna, MN 55060, phone: 507-451-0325.

U OF M KAYAK CLUB

The University of Minnesota (U of M) Kayak Club meets every Friday evening from 8:00 to 10:00 at the University Cook Hall pool. The membership fee is $12 for non-students, and is free to all U of M students. It is recommended that you bring your own boat (or borrow one). We may be able to scrape one up for you if you do not have one. Anyone interested should call John Wexler at 722-7069. Please call before you attend each session as other official U of M activities often preclude the U of M Kayak Club activities.

MCA Canoe Building Supplies

For Sale: MCA resin and fiberglass cloth. Polyester resin with catalyst is $10.25 per gallon. Four ounce cloth, 50 inches wide, is $2.05 per yard; 7-1/2 ounce cheesecloth, 60 inches wide, is $2.85 per yard. Rules for purchase: Call ahead and schedule pickup time. Payment by check or money order to Minnesota Canoe Association. No cash. Bring a valid membership card.

Depots:

Betty Ketter	561-2208	No. Minneapolis
Chris Berne	929-5714	So. Minneapolis
Berne Scale Co.	544-2422	West Suburbs

We are presently looking for someone to be a resin depot in the St. Paul area. If interested, call Chris Berne.

TRADING POST

Free personal ads to MCA members

For Sale: C-2 Seda Cobra, used once or twice; vinylester-kevlar layup. $400 or best offer.

C-1 Seda Orion, excellent shape; no repairs needed; epoxy-graphite-kevlar layup. $275 or best offer.

Contact: Thomas Anderson, 2320 West Fourth Street, Duluth, MN 55806, Phone: 218-723-8376

MCA Patches For Sale

$2 each, unlimited supply. Orders may be sent to Venice Barsness, MCA Vice President, 500 East 15th Street, Minneapolis, MN 55404. Please enclose a check or money order made out to the Minnesota Canoe Association. Please do not send cash.

WANTED: 1 used USCA racing canoe. Call John Wexler, 722-7069.

Camp Cookery

LOGAN BREAD

Here's a recipe for Logan Bread taken from "The Well-Fed Backpacker", by June Fleming, published by Victoria House in Portland, Oregon.

- 4 lbs. (14-1/3 cups) whole wheat flour (can use wheat germ or other natural flour for part)
- 1-1/2 cups brown sugar
- 4 ounces powdered milk
- 1 teaspoon salt
- 2 teaspoons baking powder
- 1 to 2 teaspoons cinnamon and/or nutmeg
- 1 cup chopped nuts
- 1 quart water
- 1-1/4 cups honey
- 1-1/2 cups blackstrap molasses
- 1-1/4 cups melted shortening
- 2 cups chopped dried fruit

To dry ingredients, add water, then honey, molasses, shortening and fruit. Bake in greased pans (pour batter about an inch thick) at 300 degrees for 1 hour. Dry out well for several hours at 200 degrees with oven door open slightly. The drier the bread, the less chance of mildew. Refrigerated, it will keep indefinitely. Makes 60 2-inch square pieces.

RUSSIAN TEA

- 1 cup orange Tang
- 1 pack Wylers lemonade
- 2/3 cup instant tea
- 1/2 cup sugar
- 1/2 teaspoon nutmeg
- 1/4 teaspoon cloves

Mix well in a jar. Put 2 teaspoons in a mug and top up with hot water. A lump of margarine can be added to the concoction in cold weather.

APPLE-LOGAN BREAD (Cavers Bread)

This recipe is from "The Jewel Cave Adventure" by Herb and Jan Conn.

Mix and bring to a boiling point:

- 1-1/2 cups water
- 1-3/4 cups sugar
- 2 cups applesauce
- 1/2 cup molasses
- 2/3 cup honey
- 2 cups shortening

Mix and then add to the above:

- 8 cups whole wheat flour
- 2-2/3 cups white flour
- 2/3 cup powdered milk
- 1 teaspoon salt
- 2 teaspoons baking soda
- 1 teaspoon baking powder
- 1 teaspoon ground cloves
- 1 teaspoon ground nutmeg

If you like, add nuts, raisins, or whatever suits your fancy. This batch fills three 8-inch square cake pans or five small loaf pans, greased or teflon-lined. Allow room for moderate rising. Sprinkle cinnamon and sugar on top. Preheat oven to 300°F and bake for one hour or until firm to the touch in the center.

This recipe produces a large quantity of food, but that is no problem if you have a freezer or a hearty appetite. If you experiment with half or a quarter of the recipe and run into unmanageable fractions, take comfort. Small changes in quantities and substitutions of ingredients are regular occurrences at our house and make little difference in the final product. The only time we goofed badly was when we used seasoning salt by mistake instead of cinnamon and sugar. It was terrible.

Cont. from Pg. 5

By portaging from the Missouri to the Souris River, we will be able to follow the historic route of French Canadian Voyageurs through the Boundary Waters Canoe Area of Minnesota and Ontario. If "the gales of November come early", we could be in as much trouble on our 560 miles of Lake Superior as the "good ship and crew" of the Edmund Fitzgerald. Avoiding that possibility, we will cross Michigan's upper peninsula on the Au Train and Whitefish Rivers. Winter freeze-up is likely to be racing us again as we near our final destination — Lansing. The Grand River out of Lake Michigan will be the last leg of "The Ultimate Canoe Challenge".

One might ask why we have planned to travel so fast (or so far!). Why not slow down, enjoy the scenery and people we encounter? We can assure you we will do both, but admittedly not as we would if we took five years instead of two and a half. It has been our experience that excitement and challenge are the keys to motivation in a long journey. The initial attraction of a new lifestyle and the superficial thrill of publicity are not adequate to fuel the fire of incentive after months of struggle with elements. Traveling fast and hard is the pace that best suits our dispositions, and the one in which we find the most satisfaction. Excitement, challenge, and the feeling of hard-earned accomplishments are our daily rewards. Not everyone marches to the beat of the same drum.

(Editor's Note: We hope to have articles that will follow the progress of Verlin and Steve as they travel around Florida and reach the mouth of the Mississippi River in either late February or early March.)

An added note

by Penny Mielke

Clint Waddell called a few days ago and said he had just returned from Florida after having done some paddling with Verlin.

As many of you already know, Verlin will be paddling through the Twin Cities area sometime in April. Plans are in the beginning stages, but we will be posted as to Verlin's whereabouts on the Mississippi so we, too, can spend a little paddling time with him. Clint has offered to help lay some groundwork; and needless to say, plans will have to remain flexible subject to Verlin's schedule and Minnesota's spring.

To get involved, call any of the Board members. The HUT!, too, will keep us all posted.

Cont. from Page 8

A look at the map shows Moir Park ending about half a short block from Anderson Park and Walter's Wildwood. It appears that the creek forks, flowing east and west through these park areas to the Minnesota River.

If you turn your eyes upward while on the creek level trail, you will see some rather interesting architecture on the bluffs. A little gentle exploring off the trail reveals numerous signs of wildlife. The storms of last summer broke off or uprooted hundreds of trees, some of them very large, even in sheltered ravine areas. One is reminded that even in the heart of the city, nature rules and recovers.

Give the area a try, or a revisit; you'll enjoy five free miles of fun.

SPONSOR LISTINGS

Business owners, people in professional practices, and individuals listed in this section are lending support to the MCA and making their products and services known to the club members by using these Sponsor Listings. Contact Helen Olson if you would like to be listed.

Members are encouraged to patronize these sponsors.

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Strip Canoe Supplies
Bill Knudsen & Associates
488-1932

Complete wood pre-cut for a strip canoe, gunwales, thwarts, seats, etc. About $80-100 for sitka spruce or redwood.

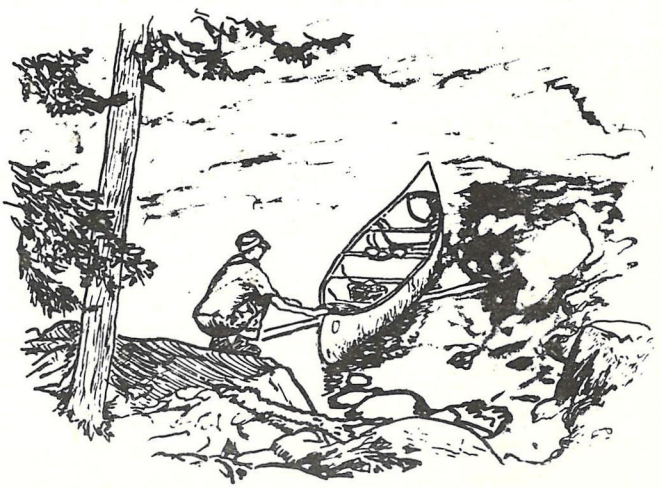
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HUT! MOVES INTO BIG-TIME ADVERTISING

Hut is now offering a full-blown advertising program. For example, a quarter-page ad can be run for three months for only $20.25 per month. Prices are lower for longer runs. An attractive pricing schedule is available from our advertising manager, Helen Olson, 3356 Todd Rd. S.W., Prior Lake, MN., 55372 or you can give Helen a call at 612-447-4904.

The market which is tapped through HUT! advertising is unique. A well-timed and carefully placed ad can increase buying traffic dramatically.

Even the little guys can afford to advertise by using the new Sponsor Listings. One-eighth of a column in this section is available for six months for only $30.00, and for a full year for only $42.00. There are many products and businesses which can benefit by keeping their names before the members of the MCA in these ads.



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P.O. Box 14177, University Station, Mpls., Mn. 55414

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MEMBERSHIP APPLICATION FORM

Name (Last name first) _____
Address _____
City and State _____ Telephone _____
Zip Code (Our publication will not reach you without it) _____
Age _____ Sex _____ Number of years canoeing _____
Occupation _____ Own Canoe? _____ Type _____
How many others in your family canoe? _____

Type of Membership (Check one):

( ) Regular, $8.00 ( ) Contributing, $50.00
( ) Supportive, $25.00 ( ) Life, $100.00

Make checks payable and send payment to the Minnesota Canoe Association, P.O. Box 14177, University Station, Minneapolis, Minnesota 55414.

If you are a member of one of the MCA Chapters, please circle your affiliation below:

1. Voyageur-Brigade du Canots du Nord
2. Cascaders
3. Marathon
4. 3M
5. Hiawatha
6. Desert-Austin
7. St. Cloud

For office use. Do not write here.