MINNESOTA CANOE ASSOCIATION

HUT!

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Barb Peterson and friend drop through the Vermilion Gorge. (Photo courtesy of Burt Levy, Graphic Images.)

1985 BOARD OF DIRECTORS OF THE MINNESOTA CANOE ASSOCIATION, INC.

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FROM THE BOW

Writing these notes thirty days in advance can be a challenging endeavor . . . one is constantly jumping from past to present in an effort to try to keep one's comments current.

As I write this 1985 starts at midnight tonight, and my January datebook is facing me and filled with canoe-things to do in the next thirty-one days. By the time you read this your president will have attended the USCA national meeting in Winona, the first curriculum planning session for the BWCAW user certification program, and the first of our MCA programs at Brooklyn Center for 1985.

In February things really start rolling: more BWCAW stuff at the Northwoods Audubon Center in Sandstone, Minnesota, the Whitewater Expo on the 16th, and the MCA Builders Show and Dinner at Brooklyn Center on the 23rd. How am I ever going to find time to paddle? March 9th is going to be our BWCA program, again at the Brooklyn Park Center. This will most likely be the first public look at the user program I've been telling you about, so be sure to be there. As soon as tax day is gone in April, most of us will be on the lakes and rivers, and we are going to have a busy time this coming summer. The Third Annual Governor's Family Canoe Day is planned for June 1st to coincide with rivers month. We will be having all our programs outside starting with the warm weather, and Robinson's promise me a full trip schedule for '85. It's going to be a great year, and I can't wait for it to start.

There is an important date that I want all of you to remember and that's June 26, 1985. There is a group of wonderful people, called Wilderness Inquiry, that canoe trips in the Northwoods with handicapped people. Sometimes some of the folks who want to go along on one of these outings have never been in a canoe before and may forgo the trip because of their lack of experience.

That's where we come in. On June 26th we are going to have one of our famous paddle nights at Lake Nokomis for handicapped folks. Wilderness Inquiry is sponsoring this night with us so we will have the benefit of their expertise. There is a good chance that among the people who show up we will have some wheelchair marathoners who already know about canoes, and who will most likely put your president to shame when it comes to swinging the paddle. So mark your calendar now. We are going to need boats and extra people around to help out. When it comes to something like this, I know I can count on our members to make this a memorable night for some special people who want to come paddle with us! — **Al Gustaveson, President**

Stream flows in the Rum River are not normally subject to frequent or drastic fluctuations, particularly in the upper reaches, because Mille Lacs Lake acts as a natural regulator of flow.

Streams and Rivers of Minnesota — Tom Waters.

DECEMBER BOARD MINUTES

The meeting was called to order at 7:00 p.m. by Al Gustaveson, President. The minutes were approved as read. Deletions were agreed on for HUT!.

Bob Brown, Building Director: Bob announced that the contract from West Systems Corporation for epoxy had been drawn up. We will be a dealer for this company. A motion was made that we sign the contract to become a dealer with Gougeon Brothers for West Systems epoxy; the motion was seconded and passed.

Burt Levy, Education and Safety: There was some discussion about the canoe classes that were going to be coordinated with the Red Cross. We will not be participating. The biggest reason that we talked to the Red Cross was because there were people who were upset about not getting into the whitewater class in the spring of 1984. Next month there will be a revised education program. The Board wishes to thank Bek for her efforts in developing the canoe class program with the Red Cross, and we are sorry that it didn't work out.

Chris Berne, Director at Large: In the past, a plaque has been given to the outgoing president. A motion was made to present a plaque to Venice Barsness "In recognition of his three years of service as President of the MCA." The motion was seconded and passed.

Warren Roundy, Public Relations: Warren reported that he has the information ready to submit to the different medias for the January program, and will have things ready by January 1st for the February programs and the MCA dinner.

Other Business: There was a discussion about changing the MCA logo back to the original canoe and paddles (simpler logo). Our membership is up for renewal for the ACA; the cost is $75 annually. A motion was made to renew our membership, and it was seconded and passed. The USCA annual national meeting will be January 12th and 13th—the annual membership is $10. Bob Brown and Al Gustaveson will be attending.

There was no further business, and the meeting was adjourned at 9:40 p.m. — **Verna Robinson, Secretary**

PUBLISHER'S NOTES

I hope that everyone is enjoying the new format for HUT! Let us know what you think of it. We still need someone to sell advertising, another person to help administer our advertising program, and someone else to keep track of what has been sold and paid, etc. I also need a couple of typists to help type on various projects. Debbie Murphy is the calendar editor and the backpage editor.

A number of people have complained to me about the photos. We are attempting a new process. If it does not work, we will eventually discontinue it. In the meantime, we plan on keeping this process until we get you, the membership, to help us sell advertising. Bob Koppy started a new ad this month and Midwest Mountaineering increased their advertising, so we have improved a few of the photos. We need your support, either to sell advertising or to buy it.

This month we are publishing a special MCA 1985 class schedule pullout. Further details will be published in future issues. — **John Wexler, Publisher & Editor**

ROBERT N. KOPPY

Certified Public Accountant



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Roseville, Minnesota 55113

633-2982



101 - 79th Avenue North / Minneapolis Minnesota 55444

WOOD STRIPS: Ceder or Redwood 16',18',20' lengths. 3/4" and 1 1/2" widths. Wood is carefully selected and cut by a little old Swedish carpenters who mix sawdust with their coffee..

CANOE RENTAL; Winona, Sawyer, ALumacraft. with paddles, PFD. Call to reserve specific high performance models. Group and shuttle service.

CANOE LESSONS; On most any day you can paddle our rental rental canoes while we yell a few hints to get you out into the current. For a complete canoe technique analysis and personalized instruction with all equipement -$15.00 and can be arranged for one or three people. Instruction will be tailored for your next canoe adventure.

MCA RESIN & FIBERGLASS DEPOT; also stocking web and cane seats, thoarts, yokes, gunnels, footbraces,for those builders under pressure to get the project out of the living room.

ANNUAL TREASURER'S REPORT 11-1-83 THROUGH 10-31-84

The MCA had a good financial year in 1984. Resin sales were again above the last year's, being over $10,000. A number of canoeing classes were conducted, resulting in $2,350 in additional income. This has resulted in an increase in our reserve fund.

The amount of money in savings was increased to reflect an addition of six new life memberships this past year. Miscellaneous expenses were high in part because of $410 spent to upgrade our membership list with new computer software. This was a one-time expense which will save us time and expense in the future.

Income Breakdown:

Resin Depots	$10,605.51	
Building Plans and Books	1,160.00	
Product Sales	581.00	
TOTAL SALES TO MEMBERS		$12,346.51
Miscellaneous Income	$ 148.60	
Advertising	2,187.50	
Classes	2,350.00	
Interest	217.31	
TOTAL OTHER INCOME		4,903.41
MEMBERSHIP DUES		8,822.00
Gross Income		$26,071.92

Expenses:

HUT!	$ 7,377.21	
Printing	846.84	
Activities	490.44	
Postage	1,235.43	
Classes	1,427.24	
Miscellaneous	1,090.87	
Total Expenses		$12,468.03

Cost of Goods Sold to Members:

TOTAL 1983 INVENTORY		$ 2,483.00
1984 Inventory —		
Resin	$ 3,024.00	
Building Books and Plans	424.40	
T-Shirts	504.00	
Neoprene	249.90	
TOTAL 1984 INVENTORY		4,202.30
NET INCREASE IN INVENTORY		$ 1,764.30
1984 Inventory Purchases —		
Resin	$10,940.82	
Books and Plans	95.22	
T-Shirts	450.83	
Neoprene	249.90	
TOTAL 1984 PURCHASES		11,736.77
Total Cost of Goods Sold		$ 9,972.47

Income Summary:

Sales to Members	$12,346.51	
Cost of Goods Sold	9,972.47	
NET SALES INCOME		$ 2,374.04
Membership Dues	$ 8,822.00	
Other Income	4,903.41	
TOTAL DUES AND OTHER INCOME		13,725.41
Total Income		$16,099.45
Total Expenses		12,468.03
NET INCOME		$ 3,631.42
1983 Chapter Rebates		$ 550.00

Assets

Checking Account	$ 3,231.54	
Savings Account	3,475.81	
Inventory	4,202.30	
Total Assets		$10,909.65





Newsletter of the Whitewater Canoe and Kayak Chapter
President: John Wexler, (612) 722-7069
Cruising: Mike Vande Vyver, (612) 926-7633
Membership: Paul Rem, (612) 645-3538

March will be election time for the Rapid Riders. Aging club officers will be leaving. Here's your chance to get even more involved. It has been rumored that Bill Zachman, Dave Nelson and Pooh Olson are considering running for office. These are really only rumors, so you had better start talking to them to see if you can convince them to lead us on.

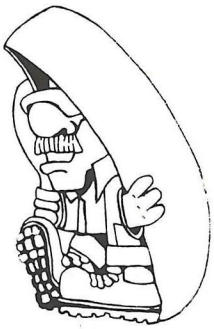
Now is the time to start thinking about your paddling technique. When you paddle on flat water, always hut (switch sides) every 8 to 12 strokes. This allows you to rest your off-side arm, and use different muscles. When you get to the rapids, continue switching if there are only small waves and not very many rocks. When entering rapids, the stern paddler should watch the bow person and paddle on the opposite side of the canoe to keep an even balance. The bow person is looking for rocks in the immediate vicinity and may make quick and unannounced corrections in the canoe's direction to avoid a rock. When these corrections are made, it is the stern paddler's responsibility to keep the rest of the canoe directly behind the bow person, parallel with the direction of the current. Hopefully, using this technique, one will not broadside a rock. There is, however, an exception to this rule. Guess what it is, and send that guess to the editor.

We will again be having rolling lessons starting the first Friday in March. In addition to that, whitewater classes will be starting soon this spring. I suggest that you sign up now if you are planning to take classes. If you wait until next month or after the Expo and Building shows, you may have waited too long. Last year everything filled early, so hurry and sign up.
— John Wexler

The Rock River is unique in Minnesota because it is the only one of Minnesota's major streams in the Missouri River drainage. The rest flow north to Hudson Bay, east through the Great Lakes and the St. Lawrence River to the Atlantic, or directly to the Mississippi as it courses through or along Minnesota.

Streams and Rivers of Minnesota — Tom Waters.

THE DULUTH TRAVELER



Newsletter of the Twin Ports Chapter
President: David Spencer, (218) 624-3413
9 St. Louis Court, Duluth, MN 55808
Cruising: Gardner Ellis, (218) 728-5304
Whitewater & Membership: Rick Luck, (218) 724-7992
Racing: Jim Wheeler, (612) 728-3368

December and January have been months of exploration for Duluth paddlers. Rick Luck and a Minneapolis canoeist skied from hut to hut in Colorado over Christmas. Susie Wilmes and Dave Tillman are sailing the Caribbean after a long trip down the Mississippi from Lake Superior. Seth Spencer started the new year by paddling the Upper Brule January 6. Others have journeyed out onto the St. Louis River—on skates. With so little snow, the lower St. Louis has been a perfect place to go for a ten to fifteen mile skate.

The annual Boundary Waters Ski Trip is being held February 1-3. The reason for its early date is lack of good snow in March. Let us know what you think about this year's arrangement.

Pizza and beer replace popcorn and peanuts for the February 11th night of movies at Godfather's Pizza. Ken Gilbertson will show "Path of the Paddle" and other canoe films. The evening starts at 7:00 p.m., so bring the family and watch the show.

A cross country and telemarking ski race will be held February 9 at 10:30 a.m. and 1:00 p.m. respectively. All are invited to race.

Other ski, snowshoe and paddling trips will happen spontaneously as weather dictates. Call one of the club officers for news. — **David Spencer**

Rising in the sunny pastures of southern Minnesota, the turbid Upper Iowa River flows slowly south over the plains of Minnesota into Iowa. After its initial entry into Iowa it loops north across the border four times before the river finally leaves Minnesota, heading east to its mouth in the Mississippi. Coursing through the clear pools and beneath the towering limestone bluffs of the rugged northeast corner of Iowa, this stream is one of the midwest's outstanding scenic resources, Iowa's proffered contribution to the National Wild and Scenic Rivers System.

Streams and Rivers of Minnesota — Tom Waters.



Newsletter of Minnesota's Long Distance Canoe Racers
President: Karl Ketter, (612) 636-8116
Race Calendar: Warren Thunstrom, (612) 780-3284/522-3395
Coordinator: Betty Ketter, (612) 561-2208

CHAPTER DUES

Canoe racers: Send $20 ($10 for Juniors) to become a Long Distance Racer so that you will be on our mailing list. This is a one-time fee which a number of racers have already paid. This fee makes you eligible to earn canoe race points in the Minnesota Point System, and for the famous and valuable ROOKIE sessions—which include coffee and cake if your training run ends at Ketter Canoeing.

TYPES OF CANOE RACES

The types or divisions of racing canoe events are based on the different types of people and teams, rather than on canoe specifications. All professional events for two-person teams in Minnesota use the North American Racing Canoe (18½ feet long and 27 inches wide at the 3-inch water line), which also allows the USCA racing hulls (18½', 4&32"). All pro and amateur races in Canada use the 3&27 hull.

For 1985, all Minnesota point system races will have two divisions: men's and women's. The events will be held at the same time over the same course, with prize money distributed according to finishing times. This will allow for a men's and women's system over several events with minimal effort and cost to race organizers.

Again in 1985, the mixed doubles championship (one woman and one man) will be a single event held late in September.

New for 1985 will be the C-1 solo races with classes for both men and women. At least one event will be held for this division. Reggie Clarke and Dave Zink are currently looking for C-1 racers to help make this a successful event.

Successful this past year and to be repeated will be Betty's events for young paddlers. Junior men's (18 years and under) and junior women's classics will be held in July again this year. This event will attract the state's young, VFW, and Scout teams with canoeing programs where all present events allow aluminum and standard canoes. It is hoped that as these young paddlers become aware of the races and canoes used in our sport they will develop a strong enough interest to keep them paddling past their junior years.

Men's and Women's C-2 Racing	5 to 6 events
Junior Women's Classic	July
Junior Men's Classic	July
Minnesota Mixed Championship	September
C-1 Men's Championship	
C-1 Women's Championship	

BUILDING

BUILDERS CORNER

The MCA is now a dealer for West System products. West System resin and other related products are, in my opinion, the best epoxy products for use with our wooden boats. The epoxy resin is more expensive than polyester resins, and all epoxies are. They are considerably stronger, therefore creating a better boat. When used properly, the West System resin should go further per gallon, reducing the cost difference between poly and epoxy.

We have in stock a good book regarding this subject. Anyone who is considering epoxy versus polyester on their next canoe should read it. I have ordered several copies of the *West System Technical Manual.* This book sells for $2.00, and it is a must if you plan to use West System products.

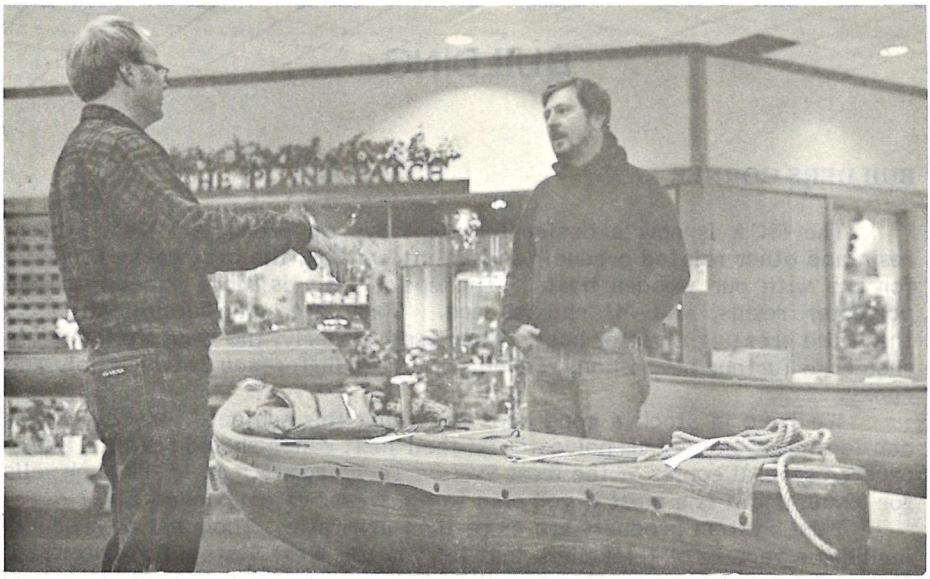
West System products are more than just resin. Their list of products includes a variety of thickeners that let you use West System for everything from adhesives to body putty. The *West System Technical Manual* is written by the Gougeon Brothers, the founders of West System products. This book gives the basics about uses of their products.

I would like to repeat, buy this manual and read it, then decide if you wish to use West System products. My experience with this product is still limited. I've patched several boats and helped glass one. One definite plus that I've found is the lack of smell. Anyone who has glassed a poly boat should appreciate the difference. One patch job that I did recently was done at 45°F. The resin was rather thick as I stirred it, but even at 45° it cured just fine—try that with your poly.

Back to polys? Okay, as long as we are, the old argument about priming keeps arising. I was a holdout; for years I lectured against priming. Even after David Hazen's book was distributed I continued to badmouth priming. I had been having good results without priming my hulls. I felt that everyone should. Not everyone was. As Building Director, I get the calls when things go wrong. We were finding a rash of starved spots on people's boats. These are caused by the wood stealing the resin away from the cloth. We were also having problems with the natural resins in the wood being incompatible with our poly resin. David Hazen said so years ago, but it was my good friend Bruce Kunz that made a believer out of me. He was turning out boat after boat with nearly perfect finishes. Also the people buying resin at his depot were having very good success doing it his way. It's hard to argue against success. — **Bob Brown, Building Director**

The Fish Hook River, the major tributary of the Shell, flows from Fish Hook Lake ten miles through Park Rapids and down to its mouth in the Shell.

Streams and Rivers of Minnesota — Tom Waters.



If you don't use this cover, you will patch your canoe. (Photo courtesy of Burt Levy, Graphic Images.)

THE GREAT MINNESOTA CANOE EVENT IS COMING

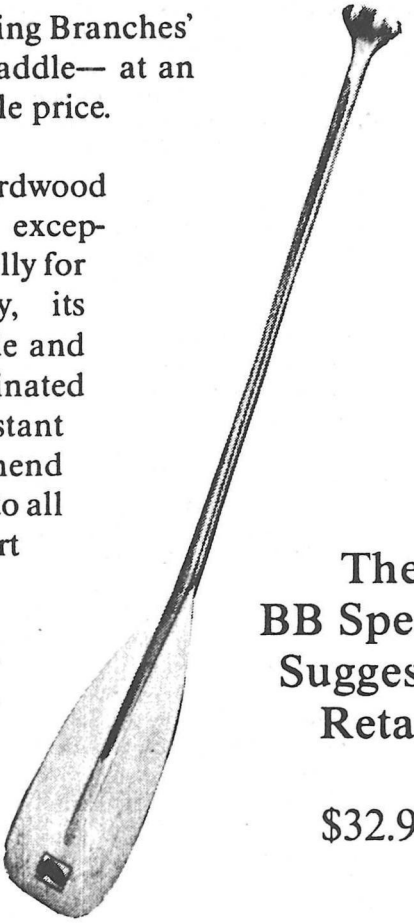
State Fairgrounds April 21-22

A Practical Performer

A breakthrough! Bending Branches' high tech bent shaft paddle— at an unexpectedly affordable price.

In every test, this all-hardwood paddle performed exceptionally. Built specifically for speed and efficiency, its birch blade is 8¼" wide and integrated with a laminated shaft and fatigue-resistant palm grip. We recommend it for leisure paddling, to all levels of paddlers: expert to novice.

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The BB Special. Suggested Retail

$32.95

BENDING BRANCHES

1076 Edmund Avenue
St. Paul, MN 55104
(612) 645-9453

The mouth of the Crow Wing in the Mississippi is divided into two parts. Between these is an island about one-half mile long, which resembles, prehistoric Indians thought, the wing of a raven. Their name for the river, Raven's Wing, was in due time translated, taking some liberty with ornithological nomenclature, to Crow Wing.

Streams and Rivers of Minnesota — Tom Waters.

SANDING SEALER: ANOTHER VIEW
By Bruce Kunz (MCA Resin Depot South and home canoe builder)

I always prep with sanding sealer, but I make sure I get the right kind. I have built five canoes in the last 2½ years and know of at least 30 others in the same period that have not had a problem with sanding sealer. BUT—there is more than one kind of sanding sealer! I use Durathane from Coast-to-Coast Hardware. It says on the back of the can, "A clear polyurethane sealer which can be used under conventional alkyd or polyurethane clear coatings." The key here is POLYURETHANE. That's the same polyurethane that we use over polyester and epoxy resin to finish and refinish our canoes. Hardware Hank's also makes a compatible polyurethane-based sanding sealer (it says so on the back of the can). Sherwin-Williams' sanding sealer says, "Do not use under polyurethane." I don't. My rule of thumb is, stay with the same chemical group, use plastic with plastic.

Why use sanding sealer at all? First, it will allow you to get rid of the Home Builders Hallmark, glue smears you thought were sanded out, forever preserved under glass and resin. It gives you the chance to go back and resand those spots. Second, it will fill up the small holes left by the 9/16-inch staples so you don't end up with starved-out pinholes all over the outside of the hull. The 1/4-inch staple holes seem to fill alright with the resin, but not the 9/16ths. Third, if you have any knots or pinknots in your strips, they present a double problem. If they are of low pitch content, the circular grain will soak up resin and cause a starved spot. If they are of high pitch content (which they most often are), the heat generated from the resin cure will cause the pitch to extrude from the knot. This pitch will repel resin and prevent a bond. I wash the knots with acetone and put two extra coats of sanding sealer over the two coats I normally use on the hull.

I have been told that a similar problem can occur with some wood strips, but I have not had this problem. It seems to be more common with redwood. I do not build redwood canoes any more, only cedar. Prolonged contact with redwood and redwood dust has made me allergic. Maybe we can get Bob Brown to do an article on that subject, he has the same allergy.

Anyway, I concur with Betty Ketter, "Never put resin over paint," or "paint"-type sanding sealer. Canoe building is a common sense project, but make sure you read the back of the can. Another Betty quote worth restating is "Put 10 canoe builders together and they'll give you 10 different ways to do it. What's right? Whatever works best for you!" I'll stick with sanding sealer. If nothing works right for you, try the WEST system.

Canoe Building Supplies

For Sale: MCA resin and fiberglass cloth. Polyester resin with catalyst and wax (if required) is $13.00 per gallon. Four ounce cloth, 50 inches wide, is $2.90 per yard; 7½ ounce cheesecloth, 60 inches wide, is $4.10 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.**

Betty Ketter	561-2208	North Minneapolis
Bruce Kunz	454-7207	Eagan

THE FONS TO BE SPEAKER AT MCA BANQUET

The MCA annual banquet will be held February 23rd (immediately after the building show) at 7:30 p.m. at the Brooklyn Park Community Center, Shingle Creek Parkway & I-694. Al Gustaveson says that he needs six volunteers to help with serving and picking up a few things before the banquet. Call him at 778-8525.

There will be lots, and I mean lots, of good food at this banquet. As an additional incentive for you to attend, we have asked Valerie Fons to speak at the banquet. Fons and her partner, Verlen Krueger, set the new record for paddling the Mississippi from Lake Itasca to the Gulf of Mexico. They travelled the 2,348 miles in only 23 days and 11 hours, breaking the old record of 42 days, 5 hours set by the Royal British Air Force in 1978.

So hurry and don't be late! — **John Wexler**

MCA ANNUAL BANQUET
February 23, 1985 — 7 to 10 p.m.

Following the Builders Show at the Brooklyn Park Community Center, the MCA will have our Annual Banquet. Make plans to attend now . . . reservations will be required!

We have gone out of our way to find one of the area's foremost caterers for the annual gala—read the menu and we're sure you'll agree it will be a night to remember. Meet and greet long-lost canoe buddies from around the state as they "home in" on our annual Builders Show . . . then join with them for the feast:

—Steamship rounds of prime roast beef au jus cut to your order
—Sliced roast breast of turkey
—Oven browned new spring potatoes
—Marinated vegetable salad
—Glazed imported baby carrots
—Selected relish trays
—Three kinds of fresh baked dinner rolls
—Trays of pastry and bars for your selection
—And the beverage of your choice

All this! . . . All the fun and excitement! . . . The advantage of being served by the Board of Directors at your own table! . . . All of this for only $10 per person (tax and tip included)!!! Join us—reserve now:

Name _____

Address _____

Number in Party _____ @ $10 each = $_____

Enclose check made out to the MCA and send to:

Verna Robinson, Secretary
4421 36th Avenue North
Crystal, MN 55422

CANOE CALENDAR

FEBRUARY

1-3 TWIN PORTS BWCA SKI TRIP - Saturday and Sunday. $55 for room and three meals($20 deposit). Border Lodge on Gunflint Trail. FMI Tim Sundquist, (218) 724-4143.

6 MONTHLY DIRECTORS MEETING - Wednesday, 7:30 p.m. All members welcome. Burt Levy's, 4000 40th Avenue South, Minneapolis. (612) 729-8874.

9 TRACK AND TELEMARK SKI RACE - Spirit Mountain. Look to local ski shops and Spirit Mountain for details. XC at 10:30 and telemark at 1:00.

11 PATH OF THE PADDLE AND OTHER CANOE MOVIES - Monday, 7 p.m. Godfather's Pizza, Duluth. FMI David Spencer, Twin Ports Chapter, (218) 624-3413.

12 RAPIDS RIDERS BUSINESS MEETING, Tuesday 7 p.m., Coffeehouse Extempore, 325 Cedar Ave. So. (Cedar & Riverside).

16 RAPID RIDER'S WHITEWATER EXPO '85 - Saturday, 10 a.m. to 5 p.m. Boat and equipment swap; Randy Gordon, Park Manager, Banning State Park; and lots of good films and fun. See article. Edgewood Community Center, 5100 Edgewood Drive, Moundsview. FMI call Greg, 894-4480.

17-23 CANOEING THE EVERGLADES - Women of all ages, any or no experience are welcome. A relaxed tour for birdwatching and enjoying the natural world and Florida sun. FMI Woodswomen (612) 870-8291.

23 MCA BUILDERS SHOW - Saturday, noon to 6 p.m. Slides, lectures and building demonstrations. Brooklyn Center Civic Center. FMI Bob Brown, (612) 432-7557.

28 WINTER CAMPING AND COLD WEATHER EQUIPMENT SEMINAR -Instructor SANDY BRIDGES. Duluth Woodland Jr. High. 7-9 p.m. Registration Fee: $2.00. Preregister by calling (218) 724-8484.

MARCH

1 RAPIDS RIDERS ESKIMO ROLLING CLASS, Friday 6:30 - 8:30, Learn how to do 360°'s, Oxford Community Pool, 1 block south of I-94 on Lexington at Inglehardt Ave. in St. Paul. Cost $20 class, plus $10 for boat. Call Mike Pease 222-3191.

6 MONTHLY DIRECTORS MEETING - Wednesday, 7:30 p.m. All members welcome. John Nosek's, 2147 East Burke, Apt. 16, North St. Paul. (612) 729-8874.

8 RAPIDS RIDERS ESKIMO ROLLING CLASS, Friday 6:30 - 8:30, Learn how to do 360°'s, Oxford Community Pool, 1 block south of I-94 on Lexington at Inglehardt Ave. in St. Paul. Cost $20 class, plus $10 for boat. Call Mike Pease 222-3191.

9 BOUNDARY WATER'S CANOE AREA WILDERNESS, Saturday 12 p.m.-6 p.m., Brooklyn Center Civic Center, Shingle Creek Pkwy. & I-694.

12 RAPIDS RIDERS BUSINESS MEETING, Tuesday, 7 p.m. Coffeehouse Extempore, 325 Cedar Avenue So. (Cedar & Riverside).

15 RAPIDS RIDERS ESKIMO ROLLING CLASS, Friday 6:30 - 8:30, Learn how to do 360°'s, Oxford Community Pool, 1 block south of I-94 on Lexington at Inglehardt Ave. in St. Paul. Cost $20 class, plus $10 for boat. Call Mike Pease 222-3191.

19 RAPIDS RIDERS ACTIVITY MEETING, Tuesday 7 p.m. Pearl Park, 54th & Portland in So. Minneapolis. Call Greg 894-4480.

22 RAPIDS RIDERS ESKIMO ROLLING CLASS, Friday 6:30 - 8:30, Learn how to do 360°'s, Oxford Community Pool, 1 block south of I-94 on Lexington at Inglehardt Ave. in St. Paul. Cost $20 class, plus $10 for boat. Call Mike Pease 222-3191.



WHITEWATER CANOE AND KAYAK EXPO '85

If you:

- —have been paddling rivers all your life, but have never known the pleasure of surfing a standing wave, playing in a friendly souse hole or slowly and skillfully dancing your boat down a difficult rapids;
- —have been wondering how to repair that hole in your ABS canoe;
- —finally decided it's time to sell some older pieces from your constantly growing collection of whitewater equipment;
- —have always wanted to try paddling a kayak and learn how a capsized boat can be rolled back upright;
- —have been looking for some inexpensive, used whitewater equipment to get you started on the river;
- —are already a "whitewater junkie" anxiously awaiting the spring thaw:

then the Whitewater Canoe and Kayak Expo is the place for you on Saturday February 16, from 10:00 a.m. to 5:00 p.m. Speakers, films, exhibits and mini-lessons that will interest both the novice and experienced boater are scheduled throughout the day.

Used whitewater equipment will be on sale by club members and by participating canoe rental companies. To register equipment to be sold at the Whitewater Equipment Swap, send in the equipment swap form.

The Whitewater Expo will take place at Edgewood Community Center in Moundsview, Minnesota near I-35W and I-694. To get there, exit I-35W onto MN Hwy 10 going west. At the first stoplight, take a left. Edgewood Community Center is less than a mile down this road. — **Bek Kragh**

EXPO SCHEDULE

10:00 a.m.	"Reading Whitewater" slide presentation by Burt Levy and Pat Olson Film — "Margin for Error" In pool mini-lesson — "Introduction to Kayak & Decked Canoe"
11:00 a.m.	"Whitewater in Banning State Park" by Randy Gordon, park manager "Personal Whitewater Equipment" by Jim Maves Film — "Fast and Clean" — whitewater racing at its best
12:00 noon	"Repair of ABS and Polyester Boats" "Area Whitewater Rivers" slide presentation by Terry Lemke and Dave Garron Film — "Whitewater Primer" In pool mini-lesson — "River Safety Skills"
1:00 p.m.	"Outfitting Whitewater Open Canoes" by Rick Korinick Film — "One River Down" — expedition down the Moisie River in Labrador In pool mini-lesson — "Kayak Rolling"
2:00 p.m.	"Reading Whitewater" slide presentation by Burt Levy and Pat Olson Film — "Fast and Clean" In pool mini-lesson — "Introduction to Kayak & Decked Canoe"

3:00 p.m. "Technical River Rescue Skills" by Burt Levy
"Personal Whitewater Equipment" by Jim Maves
Film — "Margin for Error"
In pool maneuvering challenge — "English Gates"

4:00 p.m. "Area Whitewater Rivers" slide presentation by Terry Lemke and Dave Garron
Film — "To Kayak"
In pool mini-lesson—"Introduction to Whitewater Open Canoe"

The in pool mini-lessons are just that—opportunities to paddle the boat around, possibly get wet, and get some basic whitewater instruction, so bring your swimsuit and towel if you want to get hands-on experience in some whitewater boats.

Anyone interested in bringing a boat or equipment to the swap, fill out the enclosed registration form and mail it to Mike Vande Vyver, swap manager. There will be a $1.00 registration fee to participate in the swap, and a five percent commission on all equipment sold at the swap. Registrations must be received by 2/10/85, and all equipment must be in the facility before 10 a.m. on the morning of the Expo. No equipment will be allowed in after 10 a.m., so please bring your equipment at 9 a.m.

SALE!



ALL SKIS ON SALE

ALL BOOTS ON SALE

ALL BINDINGS ON SALE

ALL POLES ON SALE

CLEARANCE !

MIDWEST MOUNTAINEERING

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EDUCATION & SAFETY

The following are the classes we currently have planned for this year's upcoming paddling season. Please read the general section and class descriptions very carefully. I will be happy to answer your questions at any time, but would prefer to receive calls between 6:00 and 10:00 p.m. on Mondays and Wednesdays. You can reach me at 729-8874. Thanks, hope to see you on the river in '85. — **Burt Levy, Safety & Education**

General Information on MCA Classes:

- —You must be a current MCA member.
- —Your boat must be currently registered.
- —All paddlers must have appropriate 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: Burt Levy, c/o Graphic Images, P.O. Box 6149, Minneapolis, MN 55406.
- —Unless otherwise noted, all registrations and class fees must be received by mail no later than one week before the scheduled class.
- —All class fees are per person.

Eskimo Rolling

An essential technique for all decked boaters is learning how 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 roll. Some paddling technique is briefly covered, but not to the extent necessary for proper boat control (see Whitewater classes).

WINTER SESSIONS:

Dates:	March 1, 8, 15, 22
Fee:	$20.00 for all four sessions, $10.00 additional for equipment
Place:	Oxford Pool, one block south of I-94 on Lexington Avenue at Inglehart Avenue in St. Paul.
Time:	6:30-9:00 p.m.
Size limit:	16 people
Coordinator:	Mike Pease, 222-3191

SUMMER SESSIONS:

Dates:	August 13, 15, 20, 22
Fee:	$15.00 for all four sessions, $10.00 additional for equipment
Place:	To be announced
Time:	6:30-9:00 p.m.
Size limit:	16 people
Coordinator:	Mike Pease, 222-3191

Whitewater Instructor Training

Taught by Bill Kallner of Whitewater Specialties on the Wolf River, specifically for MCA. American Canoe Association Instructor Certification will be earned upon successful course completion. Emphasis will be on whitewater paddling, rescue, and instructional techniques. Participants must be competent Class III paddlers.

Dates:	April 12, 13, 14
Fee:	$110.00 + ACA membership ($25.00)
Size limit:	12 people
Note:	All participants must contact Burt Levy (612/729-8874) before registering for this course.

Beginning Whitewater—Canoe/Kayak

Once again, this class has become expanded in scope to give our students a more comprehensive program. Our section leaders and most of their assistants will be ACA certified. Our classes will follow the Red Cross format for Fundamentals and Basic River Canoeing/Kayaking, with many additions that our highly experienced paddlers have recommended.

Students will start on quietwater, learning essential boat control and progress in easy stages to Class I, II, and III rapids. In addition to paddling techniques, you will learn river safety, basic rescue, how to prevent hypothermia, and many other tidbits of whitewater skill and folklore.

This class has traditionally filled very quickly, so sign up early.

SESSION I:

Dates, times and places:

April 9	Classroom instruction: introduction, personal gear, general orientation, and slides. 7:00-9:00 p.m. Place to be announced.
May 3	Pool session at Oxford Pool, one block south of I-94 on Lexington Avenue at Inglehart Avenue, St. Paul. 6:30-9:00 p.m.
May 4 & 5	Quietwater paddling sessions and classroom work and movies. Place and exact times to be announced; sessions will be about six hours per day.
May 14	"Path of the Paddle" movies and additional orientation at the St. Paul Student Center, University of Minnesota St. Paul campus. 7:00-10:00 p.m.
May 17-19	River sessions at St. Croix State Park as part of the MCA Canoe School Weekend. Lodging and food will be included.
May 25-27	Optional cruise/class on the Bois Brule River, Wisconsin.
May 31-June 2	Final river sessions on the St. Louis and Kettle Rivers. Camp at Banning State Park. Graduation party at Banning Junction to follow on Sunday.

Fee	$60.00 for complete course
Size limit	30 students—canoe 10 students—kayak
Coordinators	Burt Levy, 612/729-8874 Bek Kragh, 612/929-9454
Registration deadline	March 30 (no cancellations will be allowed after this date)

Complete details and maps to the river sessions will be distributed as the class progresses. We will attempt to team up people in tandem canoes who have a boat and no partner with those who do not have a partner or canoe. We will also let you know where you can rent boats if needed.

SESSION II:

This session is in the planning stages and is tentatively set for evening sessions on July 11, 16, 18, 23 & 25, with river sessions on July 27 and August 3 & 4. Cost will be $40.00. Size will be limited to 10 canoe students and 10 kayak students. Please check future HUT!s for more information.

River Rescue

The first day of this course is designed to give you a general background in river safety. We will go into safe trip organization, hypothermia, use of a rescue throw rope, essential knot typing, basic swimmer rescue, personal gear and clothing, some boat handling, and many more hands-on exercises and discussions.

The second day will give a more comprehensive rescue background for intermediate to advanced paddlers and river trip leaders. Technical rescue techniques such as Z-drags, telfor lowers, and tag lines for rescuing swimmers and equipment in moderate to heavy whitewater situations will be covered. After being oriented to the above techniques, students will be able to practice their newly learned skills by responding to simulated river mishaps.

Students can take part in either or both days of this course. In order to bypass the first day of this course, you must be able to: ferry a canoe or kayak in moderate currents, throw a rescue bag with reasonable accuracy, tie a bowline, tie a double sheetbend or zeppelin knot, and have a good background in river safety. Those who have successfully completed this year's MCA whitewater course should qualify.

Dates:	Session I, June 22 & 23
	Session II, August 17 & 18
Fee:	$5.00, first day; $10.00, second day; $15.00 both days
Place:	Upper Apple & Eau Claire Rivers (to be confirmed)
Time:	To be announced
Size limit:	20 people
Coordinator:	Bek Kragh, 929-9454

Efficient Paddling

This class has something to offer most anyone, from beginners to well-seasoned paddlers who thought that the J-stroke was the only way to control their canoe's direction. Switch paddling technique as pioneered by MCA'ers will be the main emphasis. Other topics will 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. This course will be offered three times:

SESSION I:

This session will be part of the Canoe School Weekend at St. Croix State Park on May 17, 18 & 19. Lodging and food will be included in this session. Additional details and maps will be printed in upcoming issues of HUT! Cost will be $20.00. You can arrive Friday evening or Saturday morning. Saturday will be spent on the river learning the various techniques.

Sunday will be a trip down the river applying your newly-learned skills. Rental boats are available at Ketter Canoeing.

SESSIONS II & III:

Dates:	Session II, June 8 Session III, July 13
Fee:	$5.00
Place:	South End Beach at Lake Phalen, St. Paul (map in upcoming issue)
Time:	10:00 a.m. to 4:00 p.m.
Instructor:	Karl Ketter
Note:	Some rental boats will be available for a nominal fee

Advanced Efficient Paddling

This class is a natural progression for those who learned the craft of Efficient Paddling in the above class and want to refine that craft to an art form.

Date:	July 14
Fee:	$5.00
Place:	Mississippi River Boat Landing at 83rd North (Highway 252)
Time:	10:00 a.m. to 5:00 p.m.
Prerequisite:	Efficient Paddling or instructor's permission. You will also need a sleek-lined canoe such as a Wenonah, Jensen, Sawyer, etc. (These boats are available for rent at Ketter Canoeing.)
Instructor:	Karl Ketter

Wilderness Tripping

A general orientation to the skills that you need to travel the back country by canoe. Topics will include planning, basic map reading, portaging (canoe and gear), packing, food, clothes and other gear that you will need to make your wilderness trip a comfortable and memorable experience.

Date:	June (exact date to be determined)
Fee & Place:	To be determined
Instructor:	John Nosek

Repair Clinic

A hands-on workshop where you will learn many innovative repair techniques for your fiberglass, Kevlar, and woodstrip canoe or kayak. Preregistration will not be required for this workshop.

Dates:	June 9 and/or July 17
Fee:	$2.00 per day plus repair materials
Place:	Ketter Canoeing, 101 79th Avenue North, Minneapolis
Time:	June 9, 12:00-4:00 p.m. July 17, 5:00-9:00 p.m.
Instructor:	Karl Ketter
Special Equipment:	Your own mildly to hopelessly crunched boat to work on and suitable work clothing.

CANOE CLASSES 1985

MARCH	
1, 8, 15, 22	ESKIMO ROLLING (Winter)
APRIL	
9	BEGINNING WHITEWATER (Session I)
12-14	WHITEWATER INSTRUCTORS TRAINING
MAY	
3, 4, 5, 14	BEGINNING WHITEWATER (Session I)
17-19	MCA CANOE SCHOOL WEEKEND—Beginning Whitewater (Session I) and Efficient Paddling (Session I)
25-27	BEGINNING WHITEWATER (Session I) Optional Cruise/Class
JUNE	
5/31-6/2	BEGINNING WHITEWATER (Session I) Graduation
8	EFFICIENT PADDLING (Session II)
9	REPAIR CLINIC (Session I)
22, 23	RIVER RESCUE (Session I)
JULY	
11, 16, 18, 23, 25	BEGINNING WHITEWATER (Session II)
13	EFFICIENT PADDLING (Session III)
14	ADVANCED EFFICIENT PADDLING
17	REPAIR CLINIC (Session II)
27	BEGINNING WHITEWATER (Session II) River Session
AUGUST	
3, 4	BEGINNING WHITEWATER (Session II) River Sessions
13, 15, 20, 22	ESKIMO ROLLING (Summer)
17, 18	RIVER RESCUE (Session II)

MCA CLASS REGISTRATION FORM

All information is for instructors use only and will remain confidential.

Class title_____ Session number_____

Class dates_____

Name_____ Age____ Sex____

Address_____ City/State/Zip_____

Phone_____(home) _____(work)

Emergency contact: Name_____ Phone_____

Are you supplying your own boat? ___ Yes ___ No Is it currently registered? ___ Yes ___ No Number of PFD's ____ Paddles ____
If a tandem canoe, do you have a class partner? ___ Yes ___ No
If yes, name_____

If you have a medical condition we should be aware of (such as heart condition, high blood pressure, diabetes, epilepsy, acute allergies, etc.), please explain: _____

Skill Levels: Please check the highest level you feel competent at.

PADDLING:
___ No experience
___ Lakes
___ Easy rivers/moving quietwater
___ Mild rapids/Class I
___ Intermediate rapids/Class II
___ Advanced rapids/Class III
___ Expert rapids/Class IV-V

SWIMMING:
___ Strong
___ Moderate
___ Weak
___ Non-swimmer

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

_____

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

Liability Release

The MCA and the Rapid Riders Chapter always strive to make your 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, river/trip leaders, 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_____

CONSERVATION

THE ECOLOGIST'S NICHE

Streams and rivers can very often be aged by taking a cross-sectional look at the valley through which the river flows. The cross section may tell something of the area geology, local climate, and the time—geologically speaking—the stream has been cutting its valley.

Young stream valleys, in cross section, typically have a V-shaped profile, and are characterized by narrowness and steep sides. These V-shaped valleys are usually found in regions that are geologically newly formed or recently uplifted. Young streams in narrow valleys are typically fast flowing with turbulent water due to frequently encountered rapids and falls. Whitewater enthusiasts eagerly seek out such young streams. An example of a young stream and valley is Yellowstone Canyon in Yellowstone National Park.

Over time young streams deposit sediment as their velocity and discharge fluctuate. The sides of the valley erode to something less steep, and irregularities in the channel cause the stream to meander within the valley. The valley floor becomes widened, and a plain, resulting from flooding, develops. The stream gradient decreases. At this stage a valley is said to be mature.

With more time the erosion continues and the valley sides are brought to nearly level surfaces. The continual deposition resulting from decreased ability of the stream to carry its load has built a broad flood plain. Broad meanders and oxbow lakes may occupy the valley floor. The stream valley is now said to be old. The lower Mississippi River is a good example of a stream and valley in old age.

Other factors may influence valley profiles and make them harder to recognize. Glaciers will change a river valley significantly. Other geological processes may alter the gradient of a stream after it has reached maturity or old age, sort of like moving back the clock to a younger stage. Finally, man-made changes alter river valleys. The locks and dams of the upper Mississippi River and huge hydroelectric dams elsewhere have brought tremendous changes. The long-term effects of man's tinkering with rivers is still to be determined.

Streams and rivers and their valleys are young, mature, and old. Not too unlike the people who paddle over them. We tend to get a bit slower and broader with age too. — **John Nosek**

Contrary to some understandable misconceptions, the name "Mississippi" is not of southern but rather of Minnesota origin. The Chippewa name was Mee-zee-see-pee, or Messipi; others called it Mese-sebe, or Missicipy, or Meschasipi, or other variations. In the end, "Mississippi" prevailed. It means "Big River," or "Father of Waters"—The Great River, the Mighty Mississippi--rising in the northern wilds of Minnesota!

Streams and Rivers of Minnesota — Tom Waters.

ASK MCA!!!

HAVE QUESTIONS ABOUT WHERE TO GO, WHAT TO PACK, BUILDING, PADDLING, OR STAYING AFLOAT? Send them to: Ask MCA, Minnesota Canoe Association, Box 14207 University Station, Minneapolis, MN 55414.

The two weeks between the announcement of our new Ask MCA feature in the January HUT! and the February publication deadline did not leave time for a flood of questions, but we did get one. It comes from a Trivial Pursuit player who was confused by this question in the Science & Nature category of the Genus edition.

Q: What bank lies to the left of a canoeist paddling upstream, the left or the right?

A: It's the right, as the Trivial Pursuit people accurately state. Why? By convention, right and left on a river correspond to the right and left of a person facing downstream.

We asked several professional geographers where this convention originated, but none of them knew. They only knew that it is the convention, and that it is apparently universal (some geographic designations, such as the numbering of tributaries, vary from country to country).

We suspect that this convention originated not with geographers, but rather with canoeists, who long ago figured out that paddling upstream is perverse. Paddling downstream is a more natural form of navigation, hence the downstream facing left/right convention. Avoid paddling upstream and you'll avoid confusion.

However, canoe racing—which some may also consider to be an unnatural act—requires paddlers to face upstream a good portion of the time. If a racer wants to call his partners attention to, let's say a beaver lodge, on the river's left bank, what does he say? Look to your right? Look over on the left bank? Look to starboard? Look over there?

While on the river, MCA racers inform us, they refer to their own right and their own left, even when paddling upstream. So in this case, an upstream paddler would say, "Look at that beaver lodge over to the right." But, when discussing the trip afterwards, they follow the downstream facing left/right convention. That means they refer to the river in the opposite way they actually saw it: "Remember that beaver lodge on the left bank?"

Even a confirmed cruiser/drifter who avoids upstream paddling like the plague could conceivably encounter some left bank/right bank confusion. Say you are canoeing downstream, but want to put in at a campsight you've been told is just fifty yards upstream on a tributary that empties into the river you're cruising. The campsight, you've been told, is on the left bank. Remember to look to your right as you paddle those fifty yards. Otherwise, you might end up paddling a lot farther upstream than you care to before seeing any campsite. — **David Stamps**

Since its formation 10,000 years ago, St. Anthony Falls has retreated eight miles upstream on the Mississippi from the location of Fort Snelling to the falls' present location, an average rate of perhaps four feet per year, alternately eroding the soft St. Peter sandstone and causing the hard Platteville limestone to break off, leaving behind a deep scenic gorge through the center of the present metropolitan area.

Streams and Rivers of Minnesota — *Tom Waters.*

BOOK REVIEW: *A Boundary Waters Fishing Guide* by Michael Furtman

I enjoyed this book. I like to fish, and I read about fishing quite a bit. Many books and articles, however, are too technical or too absolute. You need to be an expert to figure out what you read, but if you're an expert you don't need books to tell you what to do. Furtman nicely avoids this pitfall. *A Boundary Waters Fishing Guide* offers lots of good advice, but admits that "there are no hard and fast rules to fishing." I like that. I don't always catch fish, and I bet you don't either. This book acknowledges that some days are better than others, and if you don't catch fish every time out, don't worry, you'll get 'em next time.

This book does make two assumptions: one is that you know the basics of fishing; the other is that you know the basics of canoeing. Those are safe assumptions for anyone willing to purchase the book. Furtman then follows those assumptions, never overwhelming the reader with advice or techniques too tough for the casual fisherman, but not too simplistic either. There is plenty here for the serious angler to digest as well.

Individual chapters on different species help you zero in on a favorite fish. If the lake you fish has only northern pike, just read that chapter and worry about the others later. The chapters on how to care for your catch, and how to properly fillet fish, including the bony northern, will save many a dinner. The lake index is quite extensive and will be helpful when planning your trip. I would have liked to see some lake contour maps included, but that in itself would be a major undertaking, perhaps a whole new volume or two. The recipes are simple but mouthwatering. Furtman also has a good conservation ethic, explaining how to release a fish without damaging it, and encouraging catch and release fishing, keeping only what you will eat. We need more of that.

A Boundary Waters Fishing Guide is enjoyable reading. It is written knowledgeably with a splash of humor here and there. For the Boundary Waters enthusiast it is a worthy addition to your fishing library. — **John Nosek**

HUT! AD RATES

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NEW MCA MEMBERS—OCTOBER-DECEMBER

Twin Cities Area:

Dick Engebretson
Paul Harris
Iver Iverson
Grant Johnson
Walt Johnson
Russ Leimbach
Tom MacLeod
Daniel McCarthy
Scott McKell
Phillip Martineau
Walter Myers
Barry Peterson
Thomas Ploskay
Tom Schellberg
Mark Segner
Norman Silberberg
James Tennessen
Mark Trumper
John Vadheim
Kurt Wohnsen
Charlie Zwisler

Minnesota:

Bob Ellenbecker—St. Cloud
Joseph J. Felix—Clear Lake
David L. Grant—Austin
Donald G. Gronlund—Duluth
Jack Higginbotham—Mankato
Duane A. Houkom, Jr.—Bemidji
Peter Jessen—Markville
Jacob Johnson—St. Cloud
Frank R. Kirsebom—Webster
David Oothoudt—Winnebago
Delmar Peterson—Blooming Prairie
Boyd Rebers—Belle Plaine
Jim Schultz—Lake Elmo
Dixon Shelstad—Ely

Out of State:

David A. Bleuer—Milan, IL
Franklin Dahn—Lake Mills, IA
Bob Devine—Tavistock, Ont., Canada
Jim Fletcher—Regina, Sas., Canada
Ronald Frenette—Toronto, Ont., Can.
Dennis C. Herringshaw—Slidell, LA
Richard W. Kowal—Riverton, Man.,
John Lentz—Libertyville, IL
Charles Mackey—Leroy, NY
Glenn McDonald—Troutdale, OR
Randy Meijee—Dallas, TX
Tom Mertins—Muskego, WI
Don Tait—Victoria, BC, Canada
Frank Takoch—Steubenville, OH
Margie Takoch—Steubenville, OH
Douglas Thomas—Dresser, WI
John Williams—Oklahoma City, OK
Paul Wood—Fremont, OH
Dennis A. Wortman—Melrose, WI
Mike Zika—Santa Barbara, CA

Supportive Member:

Arthur R. Swenson—Coon Rapids, MN

Life Members:

Gilman Peterson—Austin, MN
Warren Roundy—Minneapolis, MN

Boat Swap Registration

Name_____ Phone_____

Address_____

City_____ State____ Zip_____

	EQUIPMENT BEING BROUGHT	CONDITION	PRICE
1.			
2.			
3.			
4.			

Enclose $1.00 and send registration form to Mike Vande Vyver at 2608 West 60th Street, Minneapolis, MN 55410, or call (612) 922-7633.

TRADING POST

Free personal ads to MCA members

WANTED

Skiers, Big Sky, February 23 to March 2. Share condo, share driving. Call Winnie at 696-6792 days, 644-6115 evenings.

Housemate to share spacious 3 bedroom house. Boat storage available. Prefer canoer or someone with interest in computers. One block from Minnehaha Parkway in South Minneapolis. Call John at 827-6693.

Drivers. Racers need licensed drivers for our Long Slow Days Training Runs. Weekends from March through May. Free Ford. Free Travel. See hundreds of Minnesota bridges. Call Karl at 636-8116 or Betty at 561-2208.

Trip leaders for one day cruises. Choose river of your choice. Show it to a few other MCA'ers. Call Jim at 588-5402.

Photos. HUT! needs photos of current and past canoe trips, cruises, races, meetings, canoes, people, etc. Black and white or color photos okay. Photos will be returned. Call John at 827-6693.

FOR SALE

Strongback & forms for 17' Guide. FREE to an MCA member. Call Tom Salwasser at 636-6265 (days) or 934-0185 (evenings).

'74 Dodge Maxivan, R, H, A/C, automatic, terminal corrosion, but still running. Extra parts and tires. $700. Call Dudley at (507) 645-6390.

Kayak—Danish import fiberglass practice craft for Olympic K-1 event with double blade paddle. $400. Call Tom at 522-1141.

Hahn C-1 high volume canoe—out of date design and well used. A good beginner canoe of Kevlar S-glass nylon layup. $75. Call Tom at 522-1141.

Canon TX 35mm camera w/50mm F1.8 lens and 1/500 sec. speed. $100. Call John at 827-6693.

Wanna get a genuine **solo canoe** cheap? Old "Mantoy" (15'6", 30" max. beam) is yours for just $300, complete with two piece fabric cover of my design. She's well-patched but solid. Great tripping, moderate whitewater, fun boat. Firm! Call Cliff Jacobson at (612) 437-7497.

FOR WOMEN

Women: experiencing canoe withdrawal? Join **Woodswomen** paddling in the everglades, February 17-23 (no canoe experience required). Or try rafting the Rio Grande (March) or the Delores (May), or canoeing in the Ozarks (April). For a copy of our 1985 calendar, call Woodswomen, (612) 870-8291.

MINNESOTA CANOE ASSOCIATION MEMBERSHIP/ORDER FORM

I would like to join the MCA as a ☐ New ☐ Renewal member. Please check:

- ☐ Regular Member—1 Year . . . $ 10
- ☐ Regular Member—2 Years . . . $ 19
- ☐ Regular Member—3 Years . . . $ 27
- ☐ Supportive Member—1 Year . . $ 25
- ☐ Life Member. $100

Fill in name, address and phone number below:

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☐ If you're moving check here and fill in your new address above. The **Post Office will not forward HUT!**

Canoe Building Plans, $5.00 each (SALES TO MEMBERS ONLY)

- ☐ Woodstrip canoe building manual with Explorer and Guide plans
- ☐ BWCA Cruiser
- ☐ MCA 14' Solo
- ☐ Free Spirit (Brown)
- ☐ 17' Osprey (Zapf)
- ☐ 15'6" Solo Canoe Pirate (Brown)
- ☐ 15' Solo (Ketter)
- ☐ Griffen II Kayak (Brown)
- ☐ 18'6" 4&32 USCA Racer (Burley)
- ☐ 18'6" 3&27 Racer (Ketter)

T-Shirts — Light blue shirt with navy MCA graphic, 50/50 blend. $5.00 each, plus $1.00 postage.

Stickers — Blue on a reflectorized background, great for canoe or car. $1.00 each.

Sew-On Patches — Gold paddles over a silver canoe, $2.00 each.

To order fill in name and address above. Indicate quantity desired in each size:

____ S ____ M ____ L ____ XL

____ Shirts @ $5.00 plus $1.00 postage

____ Stickers @ $1.00

____ Patches @ $2.00

Sew-On Patches

T-Shirt/Stickers

Send order form with check to: Minnesota Canoe Association, Inc.
P.O. Box 14207 University Station, Minneapolis, MN 55414

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Minneapolis, MN 55414

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SICK OF WINTER ! ? !
THINKING ABOUT PADDLING? ? ?
UPCOMING MCA EVENTS ! ! !

3RD ANNUAL WOODSTRIP CANOE BUILDING SHOW
Saturday, February 23, 1985. Noon to 6:00 p.m. Slides, Lectures, and Building Demonstrations. Brooklyn Center Civic Center. FMI Bob Brown, (612) 432-7557.

SPILLS EXCITEMENT

WHITEWATER CANOE & KAYAK EXPO '85
Saturday, February 16, 1985. 10:00 a.m. to 5:00 p.m. Boat & Equipment Swap; Randy Gordon, Park Manager, Banning State Park; and lots of good films and fun. Edgewood Community Center, 5100 Edgewood Drive (West of Mermaid Supper Club) Moundsview. FMI Greg 894-4480.

THRILLS FUN

BOUNDARY WATER'S CANOE AREA WILDERNESS
Saturday, March 9, 1985. Noon to 6:00 p.m. FMI See Future HUTS!!

AND A WHOLE LOT MORE