

TEN MILE LAKE ASSOCIATION  
Cass County, Minnesota

Box 424, Star Route 2  
Hackensack, MN 56452

APRIL 1985

## THE PRESIDENT'S LETTER.....

Paying a visit to the North Country in the dead of winter is a revitalizing experience, understood especially by those Ten Mile Lake residents who live there year around. The snow-draped forest, clear-cut animal trails through the soft mantle, the surprising number and variety of over-wintering birds, the lake slumbering beneath its heavy white blanket -- all of these and more combine to make winter a season of breathtaking beauty and serenity. My wife and I enjoyed that unique "treat" as guests of Bill and Becky Macklin when the Association Officers and Directors met in mid-February at the Howard Sandell home.

We covered a great deal of territory at the meeting: Our membership total at a new high, mixed results from our fish rearing ponds, the new Cass County budget being described as "scary" by one of the Commissioners, mailing on our lake water testing program completed to all property owners, conflicting and complex evaluations of the growing acid rain controversy, proposed revision of the Cass County zoning ordinance so as to parallel state standards for individual septic systems, investigations as to what can be done to reduce pollution from swamp water inflow, the question of whether Ten Mile residents should form what is known as a Lake Improvement District, plans for the forthcoming Newsletter and for our new every-member Directory, an informative report from Rich Yeager on the Forest Service's long-range resource and management plan for the National Forests, and more. Many of these topics are covered at greater length in these pages, but the number and scope underline an important point: your officers and directors are grappling with tough and enduring problems that won't be solved easily or quickly.

The Lake Improvement District question is a case in point. Only three such organizations exist in Minnesota, and they range in age from four to six years. Past President Dan Mullendore's committee is looking into the advantages and disadvantages of such a move and is assembling information to help us decide whether to recommend taking that step.

Dr. Jim Prince and Dr. C. D. Lee, long-time lake residents, have pointed out an error in the Autumn Newsletter's report on well water testing. The error was in stating that coliform bacteria are found "only in the human bowel." The fact is that such bacteria are commonly found in the bowels of most animals and birds, not just in humans. But a basic point must not be overlooked. If coliform bacteria are found in your drinking water, you have a contamination problem that needs correction.

One project this year is aimed at updating the Association's records. As part of that process, Secretary Sandell has been reading and organizing old minutes. It's a time-consuming job - one that is made all the more difficult because there are unexplained gaps, hard-to-read entries, and the like. In the 1985 Directory we are publishing the names of known past TMLA Presidents. I invite you to review that list. If you find inaccuracies, omissions, or can otherwise help us in any way with our records, please convey that information to Secretary Sandell.

A few reminders: Send your historical items about the lake to Willa Shonkwiler Martin... The annual meeting will, as usual, be the first Saturday night in August; mark your calendar now.... If you haven't completed and returned your questionnaire on the location and status of your septic system, please do so without delay; if you have lost your copy, write Secretary Sandell for another.... Finally, let us know what you want from your Association; we want to hear from you. See you this summer. -JIM SCHWARTZ.

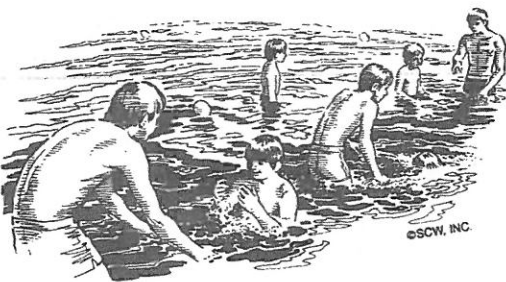
\* \* \* \* \*

### ASSOCIATION CONTINUES WORK ON IMPROVING SEPTIC SYSTEMS

Over the fall and winter months, letters were sent to TML property owners notifying them as to whether our lake water testing program detected septic pollution in front of their dwellings. Where polluting organisms were found, residents were advised of the situation and asked to furnish data about location and age of their septic systems.

Where no contaminants were found, that was reported to lakeshore owners along with a caution that, if their septic systems were non-conforming (pre-1975 or improperly installed after that date), corrective steps should be taken to bring the systems up to code. They also were asked to return a questionnaire supplying information about their sewage treatment facilities.

At the time this was being written, 175 of the questionnaires mailed to property owners had been returned. While that is a gratifying response, one that certainly indicates lakeshore owners stand ready to do what they can to control pollution, there still are many questionnaires that were not returned.



If you are one of those who put it off or forgot it, please complete and mail the questionnaire right away, even if you have only a vague idea (or no idea at all) about when and where your septic system was installed. Mail it to Lois Sandell, TMLA Secretary, Star Rt. #2, Box 424, Hackensack, MN 56452. If you need another copy, she can supply it.

As you probably know, state law requires that all lake shore septic systems must be in conformance with the applicable code, which in our case is Cass County Ordinance No. XVI. Many of the septic installations around Ten Mile Lake and elsewhere in the county were made before the code went into effect and do not meet its requirements. They are an important pollution source. It has not yet been possible for Cass County officials to achieve complete enforcement in the case of older systems, but those who have such non-conforming installations should be replacing them before being cited for violation.

The Committee on Environment and Ecology hopes to respond to every property owner who has a septic problem and to render assistance if possible in rectifying the situation. This is a formidable task because many "problem cases" require further investigation and consultation with a variety of experts. Some of you who have addressed specific questions to us may be wondering why you have not yet received a reply. You will. Please bear with us. -JIM SCHWARTZ.

\* \* \* \* \*

### MEMORIALS GIVEN TO TEN MILE LAKE ASSOCIATION

BERNICE WITHAM (10-13-84)

- Stan and Norma Skaug
- Pinewood Resort Association
- Dr. James Witham and Family

ESTHER CARTER

-Dr. John McManus

HAROLD JAMESON (7-84)

-Dr. John McManus

SPENCER KUBO (2-15-85)

-Howard and Lois Sandell

## GROWING ASSOCIATION HAS 560 MEMBERS

WE ARE A GROWING ORGANIZATION!! WE WELCOME THESE 58 NEW MEMBERS WHO HAVE JOINED SINCE THE LISTING IN THE AUTUMN NEWSLETTER. The complete information for each member will be given in the new 1985 Directory. We have 120 new members since the publication of the 1983 Directory, making a total of 560. All property owners on Ten Mile Lake were invited by letter to join. Married sons and daughters and other relatives are also joining.

Abbott, Dennis and Paula 2118 W. 128th Street Rosemount, MN 55068	Elmer, Clark and Tricia 1721 W. Ridgewood Dr. Cedar Falls, IA 50613	Griggs, Allen and Carole 3 Kennard Court St. Paul, MN 55100
Abraham, Lynn and Patricia 17781 Joplin Street Elk River, MN 55330	Elmore, Jane M. 5528 46th Ave. So. Minneapolis, MN 55417	Groenboom, Dennis & Carol (Grant) 425 Ardglass Court Bolingbrook, IL 60439
Andres, Marjorie C. 328 N. 2nd Street Delano, MN 55328	Enos, Joseph and Lorraine 8805 Indian Hill Road Maple Plain, MN 55359	Hanson, Charles & Laura Route 1, Box 250 Litchfield, MN 55355
Bares, J. Stephen and Pat 541 W. Avon Freeport, IL 61032	Erickson, Ellwood & Margaret 30715 Forest Blvd. Stacy, MN 55079	Kaepfel, Steven & Kay (Helsman) 6309 Colony Way 2C Edina, MN 55435
Beetch, Dr. Ellsworth B. 309 Glenwood Avenue Mankato, MN 56001	Fiebiger, Joe and Donna 3076 Woodbridge Roseville, MN 55113	Kellogg, Jeff & April P.O. Box 53 Hackensack, MN 56452
Benesh, George and Irene 1190 4th Street Port Edwards, WI 64469	Finley, Dennis and Carol 4478 Sweetgum Way Ft. Worth, TX 76133	King, Richard & Arlene 303-3rd St. SW Stewartville, MN 55976
Bowman, James and Janet Route 1, Box 74 Princeton, MN 55371	Forsyth, Rick and Barb 9339 Crane Creek Road Dunkerton, IA 50626	Kohner, Mark & Margaret 7231 151st Lane NW Anoka, MN 55303
Burke, R. Pernina Birch Acres, Route 4 St. Cloud, MN 56301	Gardner, George W. and Alice 1707 No. 4th Street Grand Forks, ND 58201	Kraushar, LeMoyne & Gloria Rural Route 1, Box 169 Glenville, MN 56036
Campbell, Carmen 1314 Reaney Avenue St. Paul, MN 55106	Gjevre, Philip and Jane 4525 Oak Chase Way Eagan, MN 55123	Krueger, Walter & Alice Star Route 2, Box 468 Hackensack, MN 56452
Cline, David and Wendy Star Route 1, Box 29 Hackensack, MN 56452	Godbersen, Bruce and Bev Ida Grove, IA 51445	Kubo, Mrs. Alvina Star Route 2, Box 586 Hackensack, MN 56452
Corr, Van and Bev (Godbersen) Ida Grove, IA 51445	Godbersen, Deb 4804 Haverwood Lane Dallas, TX 75252	Lee, David 5501 45th Avenue So. Minneapolis, MN 55417
Dow, Tip and Anne 25725 Long Corner Road Gaithersburg, MD 20879	Godbersen, Linda 725 E. Vine Owatonna, MN 55060	Lingwall, Beverly A. 2541 Arkansas Street Lawrence, KS 66044
Elliott, Bob and Jo (Grant) 5921 Grandale Road Durham, NC 27713	Grant, Dick and Jeane 910 S. Story Rock Rapids, IA 51246	

NEW MEMBERS (continued)

Mason, Don and Judy  
11705 53rd Ave. No.  
Plymouth, MN 55442

Matzen, Jeri A. (Grant)  
5151 Windleigh Place  
St. Louis, MO 63128

McGill, William T. & Jane E.  
Star Route 2, Box 326  
Hackensack, MN 56452

Moos, Grant and Sue  
115 Carroll Street  
Mankato, MN 56001

Power, John and  
1119 Sanford Avenue  
St. Louis, MO 63139

Reisz, Frank and Rita  
P.O. Box 69  
Panama, IA 51562

Ring, Richard D. & Jerilyn L.  
2020 26th Street SW  
Cedar Rapids, IA 52404

Roles, Wallace & Cecilia  
6112 47th Ave. No.  
Crystal, MN 55422

Rusch, Don & Sue (Godbersen)  
Ida Grove, IA 51445

Shaw, Floyd N. and Ann  
6604 4th Ave. So.  
Richfield, MN 55423

Short, L. J. (Larry)  
H.C. Route 2, Box 606  
Hackensack, MN 56452

Siqveland, Robert & Linda  
1804 Valley Curve  
Mendota Heights, MN 55118

Smith, Dr. David & Phebe  
10261 Colorado Road  
Bloomington, MN 55435

Smith, William A. (Bill)  
and Renee  
25 Clarence Ave. SE  
Minneapolis, MN 55414

Thon, Clifford R. & Sandy  
13016 Salem Place  
Burnsville, MN 55337

Timmers, George & Jennie  
HCR 2, Box 576  
Hackensack, MN 56452

Tsien, Hsien-Chyang and  
Bernarda  
3462 Harriet Court  
Shoreview, MN 55112

Twetten, James & Virginia  
1102 1st Street  
Princeton, MN 55371

Vacura, Mark & Margaret  
9651 12th Avenue So.  
Bloomington, MN 55420

West, Paul and Katie  
509 Glendale Ave.  
St. Paul, MN 55104

Zwiefel, Mrs. Macie  
HCR 2, Box 606  
Hackensack, MN 56452

\* \* \* \* \*

DO YOU KNOW THE TRUE SOURCE OF THE BOY RIVER?

The Boy River Chain comprises an enchanting area of Minnesota's lake country. Where does the Boy River (often called Little Boy River) come from, and where does it go?

✓ It starts in Ten Mile Lake, flows through a chain of 15 lakes and ends in Leech Lake which in turn empties into the Mississippi River.

✓ Where does the water in Ten Mile Lake come from? It is an exceptionally deep lake and contains a lot of water, over 78,000,000,000 gallons, give or take a few. About 40% of this comes from underground springs. The remainder is largely rain and snow minus evaporation. About one-thirtieth of the water in Ten Mile Lake flows out via the Boy River in an average year, so a typical molecule of water in the lake remains here for thirty years.

Where are the underground springs? They are scattered all around the lake. Many residents report "cold spots" in the water at their swimming beaches. We don't know, however, the extent to which additional underground streams may flow into the lake where it is deep.

There are no surface rivers emptying into Ten Mile Lake, just a few swampy areas which drain into the lake intermittently during the spring run-off and in unusually wet seasons. There is an interesting exception in the form of a continually flowing spring a few feet back from the water's edge on the west side of Kenfield Bay. Its water is clear and cold, about 49°F, and trickles through a small beaver dam into the lake where it has cut itself a channel for about 100 yards outward through the shallows.



SOURCE OF BOY RIVER...(continued)

For practical purposes the source of the Boy River is at the end of Long Bay by Albert Thomas' place. It might be contended, however, maybe with tongue in cheek, that this little spring at the opposite end of Ten Mile Lake is the ultimate source of the Boy River and therefore, of course, a source of the Mississippi. - WARREN GOSS.

\* \* \* \* \*

HOW DOES TEN MILE LAKE MEASURE UP ON pH SCALE?

With all the attention being focussed these days on acid rain and its effect on lakes, a question that arises more and more frequently is where Ten Mile falls on the pH scale. Also arousing interest in the subject is the emphasis TV angling shows are putting on knowing the pH of the waters one is fishing.



Any lake's readings will vary somewhat from one location to another, depending upon where the testing is done, and that is true as well of Ten Mile. The testing series that was performed by Instrumental Research in 1983 disclosed pH levels ranging from 7.1 in Lundstrom's Bay to 7.8 in Long Bay. Other readings were 7.6 in Kenfield Bay, 7.6 in Robinson's Bay, 7.7 in Flower Pot Bay and 7.4 along the North Shore. The reading for the main lake was 7.7.

Those numbers figure out to an average of 7.55, which means that Ten Mile Lake is on the alkaline side of neutral. Any substance measuring 7, such as distilled water, is considered to be neutral. Most fish species can tolerate waters with a pH range of 5.5 to 9.5, though walleye spawning is inhibited if the level falls to 6.5. At 5.2 walleyes disappear.

Is acid rain having a measurable effect on the pH of Ten Mile Lake? We don't yet know enough about that subject to offer a firm answer, but the Instrumental Research data suggest that the lake has not changed chemically in any significant way in the past ten years. That is reassuring, but the knowledge only serves to emphasize the importance of continuing to monitor the lake's chemistry at regular intervals so we'll at least know about any shifts that seem to be occurring. -JIM SCHWARTZ.

\* \* \* \* \*

BELOW NORMAL SNOWFALL WINTER OF '84-'85

Deep Portage Conservation Reserve, an official weather-reporting station east of Hackensack, recorded 34.25 inches of snow through March 27. That was 24 inches below normal 58 inches for a winter in the Ten Mile Lake region. If it hadn't been for the winter's only blizzard March 3 and 4, the arrears would have been much greater. Snow measured from 16 to 24 inches across much of the state after that storm. Because of drifting, some lake residents were snowbound until service roads were cleared March 6th.

Another two inches of snow fell March 28-29.

The winter rated as mild to moderate in temperature with only one 10-day severe cold spell in mid-January when mercury dipped under 30 below zero some nights.

\* \* \* \* \*

FORMER TMLA PRESIDENT DIES

Spencer Kubo, a former president of the Ten Mile Lake Association, died February 15th, after being ill more than a year with cancer. He had lived on the lake a half-century, operating a milk route, ice service and firewood business. In recent years, he sold sunflower seeds for birds out of his garage on Cass County Highway 50 on the northeast shore of the lake. Kubo was involved in the first walleye rearing pond across the road from his home.

\* \* \* \* \*

## CHIPPEWA HAS TREMENDOUS BARGAIN



Chippewa National Forest Office at Walker sold about 600 Christmas trees last year for one dollar each.

The trees can be cut by the buyer of a \$1 tag anywhere in the Walker Office jurisdiction of the national forest. There are some restrictions: can't cut in a campground or other developed area, in sight of a road or highway, and cutting must be at ground level.

Many families avail themselves of the bargain trees to have a cutting outing and join in selection of a beauty.

Money goes into the operational budget.

-BILL MACKLIN.

\* \* \* \* \*

## LEANING PINE TAKES LAST BOW

A giant white pine that survived logging 80 years ago was cut down this spring. It was on a point owned by Ted Kolderie that helps create Flower Pot Bay on the west entrance.

For years, it has been leaning a few inches closer to the water annually, had been a favorite to canoe under in summer and rest on when cross-country skiing in winter.

Kolderie decided it would be a hazard for boats if it fell in the lake. Bobby Nelson and Randy Schwegel cut it down before the ice went out to have a base to work on.

-BILL MACKLIN.

\* \* \* \* \*

## TEN MILE LAKE ASSOCIATION Treasurer's Report - March 26, 1985

### CHECKING ACCOUNT

Balance - 9/21/84 -		\$ 953.72
Receipts:		
Dues and contributions -		<u>1,715.00</u>
		\$ 2,668.72
Expenses:		
Printing	\$ 197.49	
Copying	184.42	
Postage	219.32	
Supplies	55.49	
Typing	29.46	
Tuition-Septic Course	55.00	
Ice - Annual Meeting	5.72	
Telephone	75.72	
Lab & Research	<u>50.00</u>	
		- <u>872.62</u>
Balance - 3/26/85 -		<u>\$ 1,796.10</u>

### SAVINGS ACCOUNT

Balance - 9/21/84 -	\$ 3,436.76
Interest -	+ 64.83
Balance - 3/26/85 -	<u>\$ 3,501.59</u>

-EARL H. HOLLE, TREASURER