

TEN MILE LAKE ASSOCIATION  
NEWSLETTER - SPRING, 1978

UNUSUAL RESULTS FROM WALLEYE REARING POND

Different rearing ponds for walleye fingerlings seem to follow similar patterns -- good production for several years and then a decline or failure. Jake's Pond performed well for five years (1972-76) and then in 1977 yielded puzzling -- perhaps disturbing results:

July 87 fingerlings @ 35 per lb.  
September 544 " @ 17 " "

The pond had been stocked with 60,000 fry in May. It is presumed that predators took most of these early in the season so that there was a great abundance of food available per fish for the relatively few survivors who consequently grew to a large size. These fingerlings were transferred into Ten Mile Lake, and the DNR fisheries people feel that we should get nearly 100% survival.

Walleye fishing in Ten Mile Lake has improved, and we want to determine for sure whether the better fishing has resulted from the program of stocking walleye fingerlings reared in Jake's Pond. In 1976 we clipped the right front fins from nearly 15,000 of these fingerlings before releasing them in Ten Mile Lake. Whenever you catch a walleye in Ten Mile Lake with a missing right front fin, please report it, including weight and length if possible, by card, letter or telephone to:

John Sandell, Chairman of Fish Committee 547-1599  
North Star Route, Walker, MN 56484

John Kollar, DNR Area Fisheries Manager 547-1683  
Walker, MN 56484

or  
any of the Association officers.

STUDIES OF WHITEFISH NETTING CONTINUED

For the fifth consecutive year the Department of Natural Resources conducted whitefish netting studies in Ten Mile Lake during the period immediately following the mid-November opening. Their observations for 1977 include:

1. The quantities of whitefish taken "per set" were about the same as in 1973-74-75 but considerably less than in 1976.
2. The numbers of northern pike that got into the whitefish nets were approximately the same as in previous years.
3. The numbers of walleyes that got into these nets were greater than in previous years (see next item).

DWARF TULLIBEES CONTINUE TO BE THE BEST FISH STORY IN YEARS

For the past several years we have been reporting a fascinating tale as it unfolds -- the mystery of the unique little dwarf tullibeas (ciscoes) that swarm by the millions in the cold depths of Ten Mile Lake. Studies were continued by scientists from the Zoology Department of the University of Minnesota and also the Department of Natural Resources. The DNR stocked additional quantities of dwarf tullibeas from Ten Mile Lake into nearby trout lakes, hoping to ascertain:

1. Whether these ciscoes can reproduce there and provide forage for the trout.
2. Whether the ciscoes can provide alternate forage for loons and mergansers and thereby reduce the predation of stocked trout.

Another study concerns the interaction between tullibeas and whitefish in a lake like Ten Mile Lake. Several dozen whitefish from Ten Mile Lake have been transferred into Elk Lake near Lake Itasca. Elk is a deep lake with a population of normal tullibeas but no whitefish. The fisheries biologists will be observing with great interest whether the introduction of whitefish attracts the tullibeas and, if so, how.

In 1977 the ciscoe run started during the second week of October, when the epilimnion had cooled to about 8° C (46° F), and appeared to be developing normally when a warm spell of weather arrested the cooling of the water. As a consequence it appeared that the run did not develop into a definite peak but, instead, extended over a long interval, well into November. This probably is the reason why more walleyes than usual were found in the whitefish nets; they were still in shallow water chasing ciscoes. Experts from the DNR examined these walleyes and found that most of them had stomachs full of dwarf tullibeas and were remarkably plump with large layers of fat in their bellies. They appeared to be what biologists call "cold water" fish.

This raises an intriguing question. Do walleyes in Ten Mile Lake actually separate into "warm water" and "cold water" types in accordance with whether they opt for a diet of (a) dwarf tullibeas living deep in cold water or (b) warm-water forage fish? It is an interesting theory, but thus far it hasn't been borne out by the limited amount of deep netting conducted in Ten Mile Lake.

## THE SAILING IS EXCELLENT

Sailing on Ten Mile Lake is an important activity. The Ten Mile Lake Yacht and Tennis Club has been promoting this sport and holding both special regattas and regular races for a very long time. It has grown significantly in recent years and at present has approximately 18 Class C scows. Numerous trophies are awarded each season, and the Club has quite a few social events during the summer. Anybody is welcome to join, regardless of whether for sailing or just watching. The present Commodore is Chris Brandt, 2975 Long Lake Road, St. Paul, MN 55113.

## THE NORTH TEN MILE LAKE ROAD -- WHAT ABOUT COUNTY #71?

Residents along Cass County #71 on the north and west shores frequently inquire about the possibility of having this dusty (and often muddy) road black-topped. Some others have expressed opposition because paving might result in a "speedway." According to Jim Worcester, Cass County Engineer, a long range plan does call for hard-surfacing this road, but he doesn't foresee the required funds being available for a long time.

The County conducted an interesting experiment last summer on a short stretch of #71 at the east end by treating it with calcium chloride to lay the dust. It was highly effective, in our opinion, and we (or at least this writer) would like to see the entire length of #71 treated in this manner. We understand that roads treated with calcium chloride for several consecutive years develop a hard surface that can be maintained more economically, and they become nearly dust-free. The last time we discussed this matter with Mr. Worcester he was not optimistic about our getting such a treatment with calcium chloride because hardly any comments had been received about the condition of the experimentally treated section of the road. Most of us were not aware of exactly what was being done, of course, but now you are and are being requested to let the Cass County Engineer or your County Commissioner know if you have comments or suggestions.

## THE RIGHTS OF PROPERTY OWNERS

Does the owner of lakeshore property have an exclusive right to (a) his beach and (b) his dock?

With respect to the beach, the DNR says that many people have the mistaken notion that the public has access to a certain strip or corridor of land around all lakes and streams. This isn't so. The Department says further that "the landowner generally owns all of the land to the water's edge, and the public has no more right to use such land than - - to use the landowner's living room."

The Hennepin County Bar Association Attorneys Referral Service has commented as follows on both the dock and the beach matters (Mpls. Trib. 10-22-77):

"We are of the opinion that, subject to public use for navigation purposes, the owner of property adjacent to the lake has the use of the lake for the purposes of building and maintaining suitable landings, piers, wharves on and in front of his land for a reasonable distance toward the center of the lake.. The owner also has exclusive use of the shore adjacent to his land, and to the land bordering the lake, and to his dock that is in the water."

## LIMNOLOGICAL STUDIES OF TEN MILE LAKE

The managing of a recreational lake to preserve its natural attractiveness and cleanliness requires continual monitoring of many chemical and biological properties. To perform all this testing can be terribly expensive, especially those measurements that require sophisticated laboratory facilities and specialized scientific competence. There are some important measurements, though, that can be and are being made on Ten Mile Lake by certain of our members, and they are happy to report:

1. That the level of Ten Mile Lake is essentially back to normal, being 1379.2 feet during May 1978.
2. That the Secchi disk readings, which indicate the clarity of the water, were approximately the same in 1977 as in previous years.
3. That the profiles of dissolved oxygen in 1977 were about the same as in 1976. The concentration of dissolved oxygen in Lundstroms Bay remained adequate in February and March of this year, in contrast to the situation that developed there in 1977.

For the more difficult chemical and biological observations, as reported previously, we are deeply indebted to scientists from the FMC Corporation's Environmental Research Laboratories at Princeton, New Jersey. During 1975 they made approximately 400 chemical analyses on dozens of water samples taken from Ten Mile Lake at various places, different depths and at intervals throughout the ice-free season, and they also conducted numerous bio-assays as well as plankton counts. They continued these studies in 1976 and again in 1977. The results thus far show no significant changes from year to year. The letter accompanying FMC's report for 1977 measurements says in part:

"You are indeed lucky to live on such a clean body of water. Undoubtedly the reason for Ten Mile Lake's condition is its huge depth and its low nutrient load."

THE FRESHWATER BIOLOGICAL INSTITUTE: A DREAM REALIZED

We read and hear much about polluted lakes and streams and what an overwhelming task we are facing to restore swimability and drinkability to deteriorating public waters. Can an individual do anything to help? Dick Gray did. He is a successful business man who lives on Lake Minnetonka and has witnessed with dismay the disastrous effects of "people pollution" not only on Minnetonka but also on many other choice lakes. It became clear to him that the salvation of our lakes requires a great deal of basic scientific research in addition to active community involvement by an informed public. With the help of many friends and local companies Dick Gray established the Freshwater Biological Research Foundation, a non-profit Minnesota Corporation, whose objectives are:

1. To generate funds for supporting freshwater research to keep our waters usable through intelligent management on a global scale.
2. To work toward bringing together the lay public, the academic world and the political and business communities to address common problems with compatible solutions for the benefit of all humanity.
3. To distribute scientific information to the public in order to better educate us all regarding our current and future needs in the freshwater world.

This all happened ten years ago, and now the first of these goals has been achieved. Paid for entirely by private donations, the 4 million dollar Freshwater Biological Institute has been constructed, equipped and staffed with outstanding scientists. It was presented to the University of Minnesota as a fully funded gift in 1976 and is operated as a research and educational facility by the University.

ANOTHER DREAM REALIZED -- THIS ONE RIGHT HERE IN CASS COUNTY

As the Freshwater Biological Institute (FWBI) was developing in the Twin Cities area, here in Cass County approximately 6,000 acres of hilly forest, bogs, lakes and streams were set aside just east of Hackensack as the Deep Portage Conservation Reserve (DPCR). Its establishment as an educational facility for environmental studies has been supported by the Izaak Walton League, county and township officials and lake associations in the area. A number of our members as well as members of other nearby lake associations serve on the Deep Portage Advisory Committee, in the Deep Portage Foundation and/or in the Friends of Deep Portage. Construction of the first building in what will become the headquarters complex is getting underway this spring, an interpretive center overlooking Bass Pond and Big Deep Lake.

THE DPCR WELCOMES THE FWBI TO OUR COMMUNITY

Last June the Friends of Deep Portage invited the staff of the FWBI to spend a weekend with us here on Ten Mile Lake and our other lakes in the neighborhood of the DPCR. The purpose was to get acquainted and to have a good time, which everybody did, hosts and guests alike. Reprints from the Pilot Independent and the Brainerd Dispatch accompanying this letter describe the activities and how our lake residents acted as hosts to the scientists and their families.

It was suggested that our lakes and streams near the DPCR and the educational facilities to be provided in the Reserve could be useful for future field research by the Institute and that our community would be an ideal locale in which to initiate the Freshwater Foundation's program of public involvement. The Freshwater people liked the idea and in fact have drafted a plan for collaboration that will give us invaluable assistance in managing our lakes.

We certainly welcome the opportunity to work with and get better acquainted with the fine people in the FWBI who visited us last June. We local folks, represented by the Friends of Deep Portage, have invited them to come again. The visit is scheduled for the June 23-25 weekend. The program includes a dinner Friday evening at Bromley's, and on Saturday morning there will be a seminar and demonstrations on lake management at the Backus School and at the public access in Backus, known as Rocky Dock. The public is invited to both. Guests and their hosts will be invited also to a buffet dinner at a lake home Saturday night and to a Sunday brunch at another lakeshore residence. At the dinner Friday evening representatives of the FWBI and the DPCR will discuss the plans for collaborating and for involving us in the management of our lakes.

Would you like to invite one or a few of our guests from the FWBI to stay with you during that weekend? All the hosts of last year whom we have contacted told us enthusiastically that they'd like to do it again. The visitors were ideal guests. If you'd like to take part in this manner, please let us know by returning the form at the end of this letter or by calling Warren Goss (675-6226), Lois Sandell (675-6628) or Susan George (947-4391).

To: Ten Mile Lake Association, Hackensack, MN 56452

Yes, we will be glad to host \_\_\_\_\_ (how many) scientists and their families from the FWBI June 23-25. In addition to housing we can offer:

Swimming  
Sailing  
Water Skiing  
Tennis  
Fishing  
Other

Name \_\_\_\_\_ Address \_\_\_\_\_ Phone \_\_\_\_\_

NEW MEMBERS

Alden, John Jr., Phoebe  
Lower Lake Drive, Rt. 1  
Merrilan, Wisc. 54754 -- 333-7631  
Box 464 -- 547-3114

Anthonsen, Mrs. J. B. (Ethel M.)  
7440 Girard Ave. So.  
Minneapolis, MN 55423 -- 869-9291  
Box 68

Backman, James, Patricia  
1306 Wilson Ave.  
Cloquet, MN 55720  
Box 166 -- 675-6484

Bair, Cecil, Elizabeth  
1714 Lynwood  
Champaign, IL 61820  
Box 287

Barney, Robert G., Loni  
3333 So. 28th St.  
Lincoln, Neb., 68502  
Box 434 -- 675-6236

Bauer, Arnie, Marian  
2212 Blauvelt Ave.  
Sioux Falls, So. Dak. 57105  
Box 122  
Occupation - Jr. Hi Principal  
Wife - Biology teacher  
Hobbies - Fishing, antiques, **tropical fish,**  
bridge

Black, Ray D., Barbara B.  
2845 Harriet Ave. So.  
Minneapolis, MN 55408 -- 827-6261  
Box 177

Chinander, Steve  
1890 26th Ave. N.W.  
New Brighton, MN 55112  
Box 194

Christofferson, William, Darlene  
798 Rivard Road  
Grosse Point, Mich. 48230  
Box 558 -- 547-3048  
Occupation - Principal, Grosse Point Schools  
Hobbies - Singing, golf, water-skiing,  
ice skating  
Children - Randy, Sandy, David

Converse, Buzz, Vickie  
Star Rt. 2  
Hackensack, MN 56452  
Box 570 - 547-1777  
Occupation - Owners, North Shore Store  
Children - Sherry, Christy

Crabb, Robert J.  
6625 Dakota Trail  
Minneapolis, MN 55435  
Box 177

Davenport, John, Elizabeth  
5500 Holiday Road  
Minnetonka, MN 55343  
Box 507  
Occupation - High School teacher  
Children - Jeff, Karen

Day, Joe, Sherry  
Box 336  
Cass Lake, MN 56633  
Box 556 -- 547-1944  
Occupation - Personnel Director for the MN  
Chippewa Tribe  
Children - Dax, Danielle, Nicole

Ellerston, James, and Mrs.  
Ringsted, Iowa 50578  
Box 576

Eikenberry, Dan, Sue  
Rt. 1  
Waubun, MN 56589  
Box 392  
Occupation - High School teachers  
Hobbies - Golf, tennis, photography, music,  
reading  
Children - John

Erickson, Robert H., Marianne  
Box 222  
Ndola, Zambia - Phone 83142  
Box 104 -- 675-6118  
Occupation - General Manager, Mobil LTD,  
Zambia  
Hobbies - Antique furniture, squash, sewing,  
golf  
Children - Anna, Stefan

Flakne, John, Paula  
7012 Knox Ave. No.  
Brooklyn Center, MN 55430  
Box 635  
Occupation - Corporate engineer, General  
Mills, Inc.  
Hobbies - Fishing, hunting, park recreation  
director, little league football

Hansen, Mrs. Mary Ellen  
Box 923  
Purcellville, Virginia 22132  
Box 534

Hughes, Richard  
1779 Ravina Park Road  
Decatur, IL 62526  
Box 286 -- 675-6268  
Hobbies - Water skiing, fishing, football

Ibach, Harold M. Jr.  
3303 Glen Oaks Ave.  
White Bear Lake, MN 55110  
Box 420

Idstrom, David J. and Mrs.  
1111 West 107th Street  
Bloomington, MN 55431

Johnson, Gail, Jean  
8502 Spain Road N.E.  
Albuquerque, New Mex. 87111  
Box 561  
Occupation - Retired, aero-space engineer

Kimport, Mrs. Julia L.  
206 New Castle Way  
Madison, Wisc. 53704  
Box 55

Loufe, Matthew E.  
2900 So. Interlocken  
Evergreen, Colo. 80439  
Box 55

Micka, Daniel, Glennis  
408 So. 49th St.  
Omaha, Neb. 68132  
Box 546 -- 574-3482  
Children - Christie, Alicia

Pattridge, Mrs. J.G. (Louise)  
2540 Cedar Ridge Road  
Wayzata, MN 55391  
Box 88

Poole, Donald R., Margaret E.  
625 - 5th St.  
West Des Moines, Iowa 50265 -- 255-9473  
Box 336  
Occupation - Postal Clerk, Des Moines P.P.  
Wife - Nurse practitioner

Proshok, Mrs. Helen L.  
6637 Parkwood Road  
Edina, MN 55436 -- 935-5646  
Box 55

Rydell, Dr. Robert O., Jean  
19 Woodland Road  
Edina, MN 55424 -- 920-5945  
Box 412 - 675-6349  
Occupation - Oral Surgeon  
Children - Elizabeth, Rob, Katherine

Seward, Harry III, Judy  
3138 Puritan Ave.  
Lincoln, Neb. 68502  
Box 386 -- 675-6246  
Occupation - Attorney  
Hobbies - Sailing, flying  
Wife - sailing, all sports  
Children - Andy

Steinbrink, Francis W., Gertrude I.  
Star Route 2  
Hackensack, MN 56452  
Box 418 -- 675-6656  
Occupation - Retired, Hormel, Austin, MN  
Hobbies - Fishing, electronics

Swanson, Edward, Marcia  
Box 225 -- 675-6176  
Hackensack, MN 56452  
Occupation - Owners of Swanson's Bait and  
Tackle Shop  
Hobbies - Fishing  
Wife - sewing, reading  
Children - David

NEW ADDRESSES

Ackerman, Tom  
1439 Lakewood Drive  
Lexington, Kentucky 40502

Bryngelson, John  
4475 Arden View Court  
Arden Hills, MN 55112

Erickson, Henning  
Star Rt. 2  
Hackensack, MN 56452

Kellogg, James  
Ten Mile Lake  
Hackensack, MN 56452

Schaefer, Andy  
5923 Player Place  
Mesa, Ariz. 85205

Schneider, Steve  
1508 30th St.  
Sioux City, Iowa 51104

Siveland, Thomas  
21 Maywood Place  
St. Paul, MN 55117

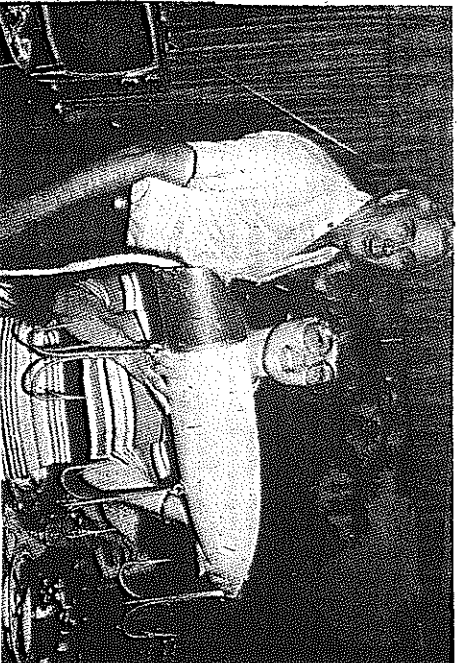
Stevens, William  
6509 Roe Ave.  
Prairie Village, Kansas 66208

• THURSDAY, JUNE 23, 1977 •  
Vol. 83 No. 10

# The Pilot Independent

YOUR Cass County Newspaper For Over 80 Years

## Freshwater Weekend For Twin Cities Scientists At Deep Portage Reserve



**A PROPER BAIT FOR BIG FISH is held by Dr. Florence Gleason. Bill Green says that it takes a big bait to lure the big ones. He offered the boat to troll with.**

The Freshwater Weekend, June 10-12, turned out to be one of discovery for both the 14 Twin Cities area scientists who attended and for the dozens of Cass County residents who had the opportunity to meet and visit with the men and women and their families.

The scientists were able to get a look at a few of the 6,100 acres of Deep-Portage Conservation Reserve. They discovered that it is a really primitive tract. The few deerflies and ticks that they discovered were the most unpleasant wildlife encountered. The scientists were on an 'expedition' from the Freshwater Biological Institute at Navarre on Lake Minnetonka; they discovered that there are a great many lakes in the Little Boy River chain and that they vary in the amount of water, quality of water, depth of water and other traits to a remarkable degree. The scientists inspected several. They also swam, water skied, sailed, canoed and even fished on the lakes.

The friends and supporters of Deep-Portage Conservation Reserve, who were either hosts to one or another of the families, met some of them around the community or sat next to them at the banquet in the scientist's honor in Walker Saturday evening made some discoveries. They found that none of the scientists are older than 39 - the oldest child is 11. They found that far from being study academic types who teach dry classes at the University and study test tubes for fun, the scientists were pretty much like everyone else who comes up to the resort country, capable of having fun and pretty good at socializing.

Several of the scientists are world famous for their studies of water. They and their families were invited to spend the weekend in the Hackensack area by The Deep-Portage Conservation Foundation. Hosts were Foundation members, members of the Deep-Portage Advisory Committee, and just plain "Friends".

The scientists were asked to the area because it is hoped that they will eventually use the Deep-Portage reserve and the adjacent lakes and streams as extensions of their Lake Minnetonka laboratories in the studies of water.

The first of the visitors arrived in Hackensack at 4:00 p.m. Friday. He was met on the highway and directed to the cabin of Bill and Bette Green on Pleasant Lake where the Deep-Portage Conservation Foundation Executive Committee held a reception and buffet for them. Before 6:00 p.m., all but a few couples of the visitors had arrived. After the buffet, the separate families and groups were dispatched or guided to their host families. Dr. Eckard Muench, associate professor of biochemistry, his

son Steffen and his parents from Germany, were guests of Verne and Sybil Nies. Dr. Ronald Crawford, assistant professor of microbiology, his wife, Ole and daughter, Lisa, along with Tom Frick, graduate student in biochemistry, were guests of Gordon and Ruth Mikkelson on Crystal Lake.

Dr. Will Ridley, post-doctoral scientist in biochemistry, and his wife, Charlotte, were guests of Mr. and Mrs. Richard Squires on Pleasant Lake. Dr. Albert Chen, post-doctoral scientist in biochemistry, his wife, May, daughter, Julie, and son, Jimmy, were guests of Bud and Seetra Richardson on Ten Mile Lake. Bill and Bette Green were host and hostesses to Del Hogen, junior scientist, his wife Carol, daughters, Jennifer and Suzanne, and to Finn Englund and Anders Hindmatt, exchange students from Sweden.

Mr. and Mrs. Howard Sandell of Ten Mile Lake, entertained Graduate Student Joel Settles and wife, Sarah. Settles field is ecology and behavioral biology.

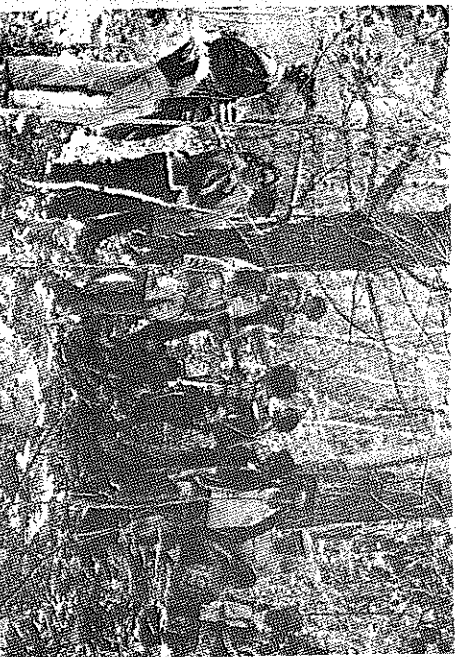
Guests of Warren Goss on Ten Mile Lake were Dr. Florence Gleason, post-doctoral scientist in physiology, and her son, Alexander; Pat Perkins, junior scientist in microbiology, and her fiancé Jim Olson. He also arranged for the use of the Dr. I.E. Sigveland home on Ten Mile Lake for Dr. John Liscomb, assistant professor of biochemistry, and his wife, Susan; Dr. Antonio Xavier, visiting scientists from Portugal, and Mark Emprage, graduate student in biochemistry, and his wife, Becky.

Mike Naylor, director of the Minnesota Environmental Sciences Foundation, Inc., in Minneapolis, a consultant for the Deep-Portage Foundation, attended some of the events with his wife, Alene. They stayed in their summer cabin near Backus.

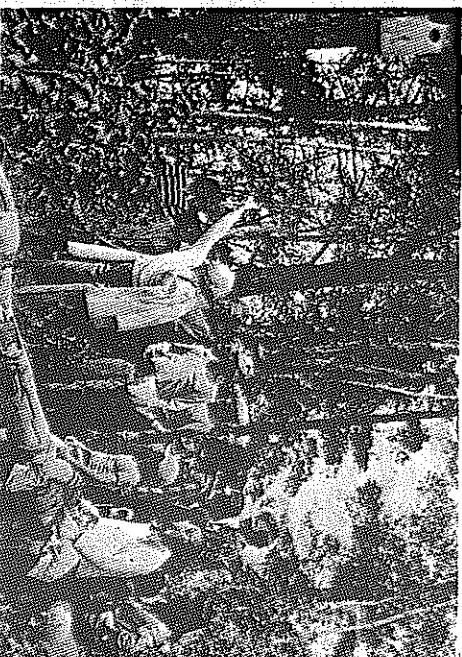
The scientists spent Saturday morning fishing. In the afternoon, they and most of their family members took the tour to Deep-Portage.

The banquet in the Chase on the Lake Hotel dining room was served to the scientists and their wives and to an additional 55 "friends". A total of 80 were served. Fay Harrington, Cass Co. Land Commissioner, served as master of ceremonies. Gordon Mikkelson, made a brief presentation. Verne Nies, president of the Deep-Portage Conservation Foundation, thanked the host families and the members of the committee which had organized the weekend. He noted that the Harrington daughters were baby sitting, the scientists youngsters at the family home in Hackensack.

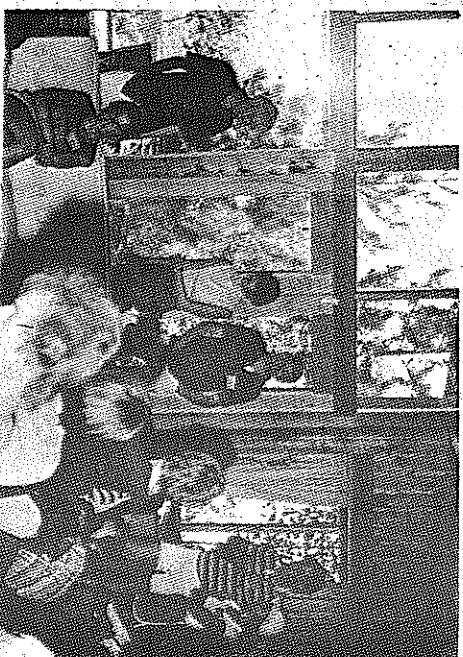
Alan Cibuzar, who has a water testing



**PROPOSED SITE OF DEEP-PORTAGE HEADQUARTERS is surrounded by huge white pines. The visitors also inspected an old graded Toie Road, a heritage of logging days.**



**A WOOD DUCK NESTING BOX in Deep-Portage drew considerable attention from the visiting scientists and their families. Here, Ise Muench, mother of Dr. Eckard Muench points at the nesting boxes while other scientists and their family look on. Some of the young people are sitting on a beaver-felled aspen. Mother Muench, and her husband are on a short visit to the United States from Germany.**



**LUNCH AT MALCOLM MOOS' was the final event for the Freshwater Weekend.**

# Scientists From Freshwater Biological Institute Visit Deep-Portage

By CAROL BUCKMANN  
Staff Correspondent

A delegation of scientists from the Freshwater Biological Institute (FWBI) at Navarre on Lake Minnetonka spent three days at lakes in the Boy River Chain and the Deep-Portage Conservation Reserve recently to become acquainted with the lakes, streams and people in the area.

They were guests of area residents and the Deep-Portage Conservation Reserve Executive Board.

The purpose of the visit was to acquaint the scientists with Deep-Portage and plans for facilities for teaching and laboratory work, to acquaint them with the lakes and streams in the area particularly those in the Boy River System and to assure the scientists of the deep concern of people in the area for the quality of the lakes and streams.

The visit came about partly because of the suggestion that scientists from the FWBI consider the Boy River Chain for conducting field research. A group from the Deep-Portage Executive Board recently spent several days in the Twin Cities area studying a number of nature reserves and visiting the FWBI where they learned that the institute was interested in the suggested and wanted to visit the area.

The FWBI is considered one of the top-level research groups in the world. It is devoted exclusively to the study of freshwater. The institute is dedicated to keeping water pure and to finding ways to head off or correct pollution.

Cass County waters had been suggested to the institute staff

as an ideal place to study. It is hoped, said Vern Nies, president of the Deep-Portage Conservation Foundation, that eventually the institute will use Deep-Portage as an extension research center in some of its water studies.

Deep-Portage Executive Board members said it would be a constructive development if the FWBI does select the lakes and streams of the Boy River System in the area for study. The laboratories and classrooms planned for the reserve, they said, could become an extension of the facilities of the institute.

The FWBI was created by a group of Twin Cities area residents who were concerned with the increasing pollution of Lake Minnetonka and were disturbed that there was no organization in the nation designed to deal specifically with freshwater ecology.

Under the leadership of Lake Minnetonka resident Richard Gray, a foundation was formed and \$4 million raised for the FWBI center and staff. The FWBI is now part of the University of Minnesota.

Activities during the visit included a brunch at the home of Dr. Malcolm Moos, former president of the University of Minnesota. Dr. Moos, a resident of Ten Mile Lake, is a member of the Deep-Portage Foundation Board.

Other activities included a buffet at the residence of Mr. and Mrs. William Green overlooking Pleasant Lake, various outdoor sports activities, a tour of Deep Lake, Deep-Portage, particularly various sites being considered for construction of a

headquarters building and a tour of various lakes and streams in the Boy River System.

A dinner, attended by about 80 people, was held in honor of the scientists and supporters of Deep-Portage at Chase on the Lake Hotel at Walker Saturday night. Those in attendance included the FWBI scientists and their families, Cass County Commissioners, township officials, various lake association representatives particularly those in the Boy River System, Deep-Portage support groups, the Cass County Chapter of the Izaak Walton League, Cass County Land Development and the Pollution Control Agency.

Several of the visiting scientists were from foreign countries. The reason is that when the FWBI was founded a few years ago, top scientists in the area of water purity research were brought together from throughout the world as the nucleus of the staff for the new institute.

Scientists from foreign countries included biochemists, and biologists from Germany, China and Greece. Scientists additionally included American doctorates whose specialties include microbiology, limnology and biology.

The visiting scientists stayed at various homes where they were guests of people mostly on Birch, Pleasant, Ten Mile and Crystal Lakes in Cass County.

Brainerd Daily Dispatch (Minn.),

Monday, June 20, 1977

3

"CENTRAL MINNESOTA'S DAILY NEWSPAPER"

# THE BRAINERD DAILY DISPATCH



FINALE OF THE FRESHWATER WEEKEND was a goodbye from Dr. Malcolm Moos, who entertained the visitors at lunch at his Ten Mile Lake cabin.