



# Hook, Line, and Sinker

*The Official Newsletter of The New Ulm Area Sport Fishermen*

Feb 1993 • Vol 2 • Issue 2

## For Your Information

The old adage that a barbed hook left in the fleshy parts of a released fish's mouth will rapidly rust or fall out would appear to be exactly that—and old adage.

The Maryland Department of Natural Resources, Fisheries Division, conducted a hook retention study on 180 striped bass from 16 to 28 inches in length. The study fish were kept in a large indoor tank filled with brackish water from Chesapeake Bay, and each had a stainless, bronzed, nickel plated, or tin/cadmium plated hook—single and barbed in all cases—inserted into its esophagus to simulate a deeply lodged hook left in a released fish.

After 120 days, nearly four of every five stripers still had the hooks in their gullets. None of the hooks showed much corrosion, and non-malignant tumors had formed wherever the hooks were imbedded in tissue. Subsequent studies conducted on the same fish the following summer showed that even when the hook shanks did break off or rust out, the points and barbs that remained imbedded in the fish's mouth caused significant inflammation which eventually killed many of the study fish. Since fish are most often deeply hooked by bait fishermen, the use of

barbless hooks is recommended because a released fish gets rid of a barbless hook quicker than one with barbs. And barbless hooks are a whole lot easier for an angler to remove, which means less stress on a fish being released.

And speaking of stress, catch-and-release anglers probably aren't saving as many fish as they could, according to studies made in Ontario. A Biologist at Queen's University in Kingston has developed a way to exercise fish in his laboratory, simulating the kinds of stress they would experience in real-life angling situa-

tions. His experiment with rainbow trout and Atlantic salmon show when fish were exercised to exhaustion and then kept out of water for just one minute—as often happens when anglers measure, photograph, or just admire their catch—the survival rate sank to about 60 percent, compared to fish that were exercised but not removed from the water. It follows then, that anglers should not remove fish from the water unless they are destined for the table. If you want to take a photo, be sure to set it up in advance so the fish is out of water for only a few seconds.

## Club Calendar

**Feb 25 Meeting**  
**Turner Hall**  
**7:30 PM**

**Wallner Construction  
Co. Inc.**

**General Contracting New Ulm**  
Sand, Gravel, Excavating,  
Black Top & Ready Mixed Concrete.

**New Ulm Decorating**  
Painting-Wallcovering-Woodwork-  
Special Coatings  
Residential-Commercial  
**Kim Olson**  
New Ulm 359-2850

**General Trading Company**  
Automotive-Industrial-Agricultural  
426 N Minnesota Street  
New Ulm  
354-3154

**Witte Floor Covering**  
Residential-Commercial  
Guaranteed Installation  
Gene Witte 600 S Washington  
354-4833 New Ulm

**Family  
Chiropractic Clinic**  
104 N State New Ulm  
359-2029

**Joe's Camper Sales**  
Rental and Service  
Live Bait and Tackle  
105 S Broadway  
354-8106

## **Norbs Lawn and Farm Supply**

•Agco Parts•Small Engine  
Repair•Agco Allis and  
Yard-Man Lawn Mowers  
**We Service What We Sell**  
2400 S Broadway•New Ulm  
Business 354-7450  
Home 359-4451

DEUTZ  
ALLIS

AGCO

**ERICKSON  
FREEDOM**

Now  
Available  
Live Bait

**Erickson Valu Center**  
627 N Minnesota, New Ulm 359-1569

# **EDITORIAL**

## **Make a Difference**

Do we really make a difference? Will anyone notice what we have done? After all, we are just a tiny speck when compared to the rest of the world. What we do seems so small when you look at all that has to be done. Sometimes it makes a person want to say the hell with it and give up. We can't do that. We have a responsibility to make things better for the next generation and those who follow them. Little things can make a difference when you add them all together. Can we afford to stand by and do nothing? No we can't. Don't give up the fight. No matter what it is. Be it cleaning up a river, or practicing catch and release, or recycling, we, no matter how insignificant the deed seems, must not give up. Pick up that piece of trash, leave a few of those fish go so they can be caught again, and call the TIP Line when you see someone breaking the fishing regulations. This especially gets me worked up. I get so mad when someone tells me they saw a certain person take two or three limits in the same day. This is outright stealing. These people are stealing the opportunity for you or I to spend an enjoyable afternoon of catching a few fish. They have no right to do this to us. They are no better than we are. We all have to live by the same rules. For these rules to mean anything we must all

abide by them. There is no room for those who think that the Fishing Regulations are not meant for them. Don't let poachers steal your fish. If you see someone violate an angling law or hear about a violation call the toll-free TIP hotline at 1-800-652-9093. TIP (Turn In Poachers), is a non-profit organization founded to stop poaching in Minnesota's outdoors. Cash awards are given for tips leading to arrests. You may remain anonymous. Remember, you can make a difference.

*Any sentiments or opinions expressed by editor or contributors are not necessarily to views of the New Ulm Area Sport Fishermen.*

### **From the President**

A real big thank you to all who helped on the fishing contest, it was a big success. As many of you already know, Puhlmann Lumber of New Ulm donated the materials for another fish house to our club. Make it a point to thank them from all the club when you see them.

Our next meeting was scheduled to be in Redwood Falls with the CURE group of Montevideo. Well, we have decided that back to the April meeting, so this meeting will be at Turner Hall as normally scheduled, at 7:30 PM. This next meetings agenda will include a SCCMR update and many other points of inter-

*The Hook, Line, and Sinker* is published monthly by John and Chris Vorwerk for the New Ulm Area Sports Fishermen. Send all correspondence to:  
Mike Deinken, Editor  
1022 N. Spring St.  
New Ulm, MN 56073

**New Ulm Area Sports Fishermen**  
President ..... Scott Sparlin .... 359-2346  
Vice Pres .... Jerry Carlson .... 354-8869  
Sec./Treas .. Mike Deinken ... 359-9650  
Bd. of Dir .. Randy Griebel ... 354-8461

est, such as the Mille Lacs treaty, fishing situation at Clear Lake, and the "Stoney" award presentation.

Our membership has recently gone over the century mark. To all of the new members, Welcome! You will quickly see why we are growing so fast and have such a good standing,

## The Lighter Side

I am going to tell you a story about an old acquaintance of mine. It seems that Dave was a fisherman with a somewhat shady reputation. The local game warden, Chris, had been trying to catch him at something illegal for years. One day Chris finally got his chance. He happened to run into Dave just as he was about to push his old jon boat into the river. Chris asked if he could go along and do some fishing. Well Dave didn't really mind so he told Chris to hop in. As they were rowing down the river, Chris noticed that Dave didn't seem to have any fishing gear with him. At first he thought that maybe Dave had his tackle and rods stashed along the bank somewhere. Well, he said to himself, all I can do is wait and see

not only in the New Ulm area, but in the entire state. So keep up the good work and tell your friends about the New Ulm Area Sport Fishermen. By the way, we do have women members and welcome any others who wish to join.

what happens. After about an hour of rowing Dave stopped and threw out an anchor. He then reached out under the seat and pulled out an old gunny sack. As he reached into the sack and pulled out a stick of dynamite, Chris figured he was finally going to get him. Dave lit the dynamite and threw it out into the middle of the river. A huge explosion followed and soon fish started floating to the surface. Chris said, "Dave, you're fishing illegally and I'm going to have to arrest you." Dave just reached into the sack, pulled out another stick, lit it, and handed it to Chris. Dave looked at him and said, "Are you going to sit there talking stupid, or are you going to fish?"

### Clear Lake Report

The aeration system has been in operation for about a month now. There is a fairly good size area of open water. The oxygen level has been slowly rising in the past few weeks. Ice conditions have remained fairly stable, but several windy days in a row could change things drastically. Remember if you plan on driving on to the lake, always check the ice thickness as you go out. Fishing has slowed considerably since the first of the year. Very few wall-eye have been taken this year. Panfish have still been biting, but you really have to work for them. Very light line and small jigs, with the smallest

bobber you can get by with. You also need too jig quite regularly.

### Mille Lacs Fishing Trip

The fish didn't cooperate at all this year. There were no fish caught worth talking about. Well, maybe one. Most of you have already heard about it so I won't go into detail. Thirty-two of us made the trip this year and I believe everyone had a good time even though very few fish were caught.

### February Meeting

The February meeting was originally scheduled to be held in Redwood Falls. We were to hold a joint meeting with the CURE group from Granite Falls. A conflict came up

### American Family Insurance

Auto•Home•Business•Health•Life  
Rick Gusso 1106 S Braodway  
359-2997 New Ulm

### NEW ULM BUS LINES, INC.

1400 South Minnesota Street  
New Ulm, Minnesota 56073  
Charter and School Bus Service  
Bob Faulenholz, Mgr. 354-4711  
354-2678

### River Valley Storage

416 North Valley•507-354-6033  
Weekly•Monthly•Annually  
Gary Grosam

### Reinarts Repair

Specializing in complete marine repair,  
snowmobiles, lawn and garden  
Gerry Reinarts (J.R.) 1327 So. Valley  
Service Technician 354-1964



OPEN WEEKNIGHTS AND SUNDAYS  
NEW ULM  
359-2988

### Puhmann Lumber

301 1st South  
New Ulm  
354-4914



2015 S. Broadway  
New Ulm  
354-8255

"Lots of Little Differences...  
...You'll like!"

Open 24 Hours

Please honor  
our fine  
advertisers with  
your patronage

354-2555



Walt & Bev Lunenburg, Owners  
218 19th South New Ulm



Everybody's Flavor Favorite



New Ulm  
Highway 14 West 354-8889



MANDERFELD  
LUMBER

New Ulm 354-2175

## Screen Printing

Signs For Buildings & Vehicles  
Garment Lettering  
Souvenir T-Shirts  
Art & Design

**PRINTWEAR  
GRAPHICS**

BROADWAY PLAZA SOUTH

1610 SOUTH BROADWAY NEW ULM

354-6009

# 3M NEW ULM

with the CURE group and we have rescheduled the meeting. This months meeting will be held at Turner Hall in New Ulm. The combined meeting with CURE has been moved to April 29th. We will still be taking a van provided by New Ulm Bus Lines. Anyone interested in making the trip to Redwood Falls contact Mike Deinken at 359-9650.

## Tip Line

After you have cleaned a mess of fish, you can get rid of the odor that clings to your hands by using common baking soda. Sprinkle it on your wet hands, rub it in thoroughly, and then rinse it off. Works better than soap.

Some ice fishermen believe they get more bites if they scrape the snow away from their holes, to let more light into the area they're fishing. Other fishermen don't believe it. But it's certainly worth a try when the fish aren't biting fast.

## What is a Fish?

All fish are aquatic. This means that although some fish can spend time out of water, all fish must return to water to breathe and keep from drying out. However, not all creatures that live in water are fish. So, what is a fish?

- Fish are cold-blooded animals. Cold-blooded means they have a body temperature that is close to that of the water in which they live.

- Fish are the only vertebrates (animals with a backbone) that are able to live in water without breathing air from the atmosphere.

- Their bodies are supported by a skeleton, made of bone or cartilage, and have a brain case (cranium) that holds the brain.

- Fish also have permanent gills. Most fish also have fins, scales, a slimy mucus, and a swim bladder.

There are more than 21,000 species! Fish live in water from a few inches deep to as much as five miles beneath the surface. Fish live in waters from the North and South Poles to the Equator.

Fish come in many sizes, shapes, and colors. Different species (types) prefer different aquatic environments

(surroundings) and live their lives in different ways. The more you know about fish the better angler you'll become.

## The Senses of Fish

Understanding how a fish hears, sees, and smells will help you catch more fish.

### How Fish Hear

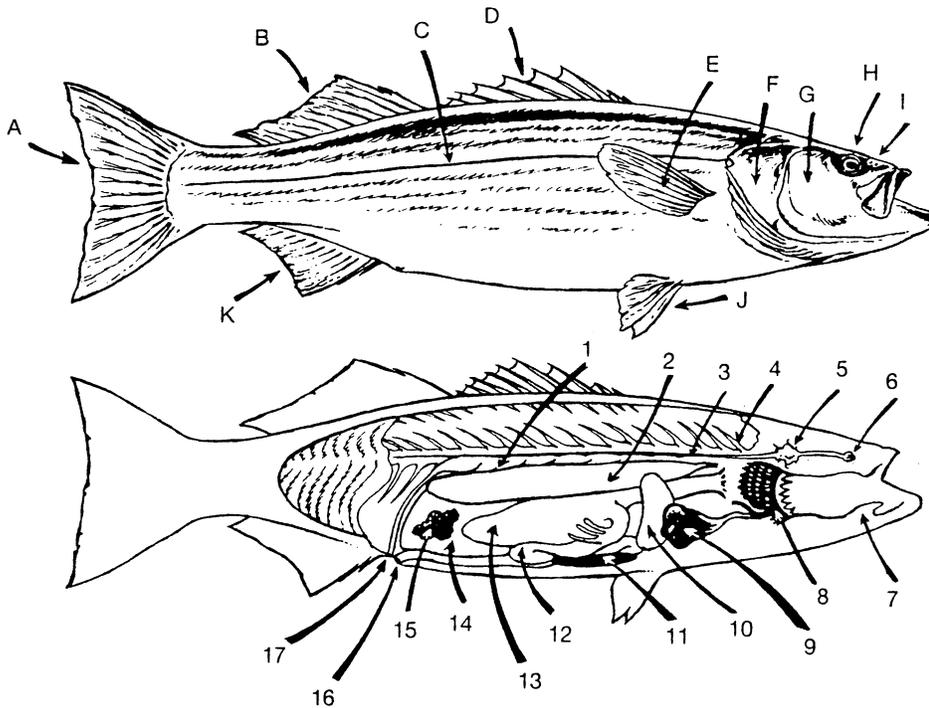
Fish hear sounds very well and sound travels five times faster in water than it does in air! That's why you hear anglers talk about the need to move quietly on the bank of a pond or in a boat. Fish can be scared away from where you are trying to fish.

How do fish hear? They have "ears" beneath the skin on each side of their heads. Sound reaches the ears through their skin, flesh, and bone.

Fish also have another way to "hear" sounds. It is called the lateral line. This line begins at the head and extends almost to the tail along each side of the fish. The lateral line detects any vibrations in the water. This helps them to stay in tight schools, navigate streams, detect predators, and find food.

- 1—Kidney
- 2—Air/Gas Bladder
- 3—Spinal COrd
- 4—Back Bone
- 5—Brain
- 6—Olfactory Bulb
- 7—Tongue
- 8—Gill
- 9—Heart
- 10—Liver
- 11—Spleen
- 12—Intestine
- 13—Stomach
- 14—Ovary
- 15—Eggs
- 16—Anus
- 17—Urinary Duct

- A—Caudal Fin
- B—Soft Dorsal Fin
- C—Lateral Line
- D—Spinous Dorsal Fin
- E—Pectoral Fin
- F—Gill Cover
- G—Cheek
- H—Eye
- I—Nostral
- J—Pelvic Fin
- K—Anal Fin



### How Fish Smell

The sense of smell is important for many fish. Fish use smell to find food, get warnings of danger, and find their way to spawning areas over long distances. Anadromous fish such as salmon are good examples of this as they can travel several hundred miles to return to their spawning grounds.

All fish have at least two nostrils, called "nares" in their snouts. Behind the nares is a chamber lined with sensors that can detect the slightest odor.

### How Fish See

Fish first use their sense of smell or hearing to find food. Many fish then

use their sight to make the final attack. Fish can't blink because they have no eyelids. And because they have a fixed iris, they have to move into the shade or into deeper waters to escape bright sunlight. The eyes of a fish are round and located on the side of the head.

Fish are nearsighted! Objects at short distances can be seen very clearly, but objects farther away are blurry. But, they can see nearly all around except for a small area directly behind them.

Can fish see colors? Scientists say they can. Many species of can see at least 24 different shades of color.

*Continued on next page*

**New Ulm Building Center**  
2015 S. BRIDGE ST. 354-8561

TV-Stereo-Sales & Service

## Audio Village

16 S Minnesota 354-5961

*Mike's*

**Broadway Body & Tire Center**

MIKE GULDAN

809 20TH NORTH NEW ULM

354-6017

**NEW ULM PRECISION TOOL INC.**

CURTIS ASLESON-PRESIDENT

2217 S BROADWAY NEW ULM

354-2912

**SSL Auto Service Center**

New Ulm's complete service station

Hwy 14 East and 15 North

354-2619

**AHRENS HEATING, INC.**  
1227 South Broadway, New Ulm, MN  
BUSINESS 607-364-2217 HOME 607-364-2068  
**BRUCE HEUCHERT**  
President  
HEATING, AIR CONDITIONING, METAL FABRICATION

## Hoffman Construction

Gravel\*Excavation\*Dozer Work

2232 S Broadway

New Ulm

359-4444

Whirlpool and RCA  
Headquarters in downtown New Ulm

## Wilfahrt's

**Appliance & TV**

18 North Minnesota St. 354-7000

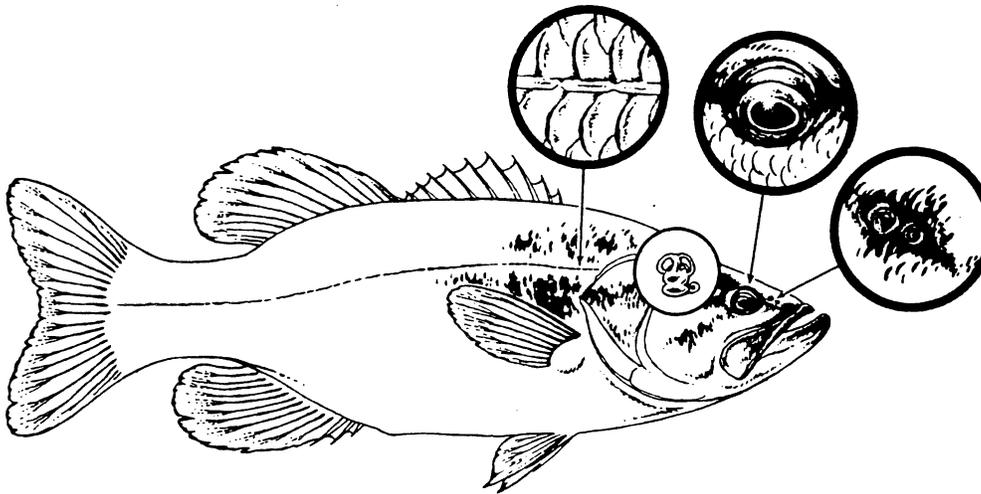
## Why Fish Senses are Important

Most fish are alert to what is happening around them. Therefore, once you know how fish use their senses, you will become a better angler.

When an angler sees a fish under water, The fish is actually closer than it seems. This is because light rays bend (refract) as they pass from the air into the water, like they are going through a prism. To a fish, an angler

standing on the shore seems to be directly over the fish. Because fish can see you on the bank it is important to keep a low profile while fishing.

When trying to approach fish, remember that fish see and hear very well. These factors can determine what you catch. Approach your fishing area quietly and without being seen. Fish can be frightened and leave the area if they see you or if you make lots of noise.



Fish Senses

## Rod's Painting Service

Interior-Exterior Finishing  
Rod Mueller  
354-5513

## Retzlaff's

### Marine & Tackle

Johnson OutBoards-Lund Boats  
Spartan Trailers-Newest in fishing Tackle

Moorman Manufacturing Company

Mark Manderfeld

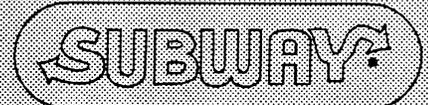
Sales Representative

Rt 2 Box 109 New Ulm

354-8734

## KNUJ 860 AM

"Your Friend in Southern Minnesota"  
359-2921



1 S Minnesota 354-SUBS



Minnesota's First & Finest Variety Dance Band Music



## Hook, Line, and Sinker

The Official Newsletter of The New Ulm Area Sport Fishermen

