

SCIENTECH CLUB NEWSLETTER

SCIENTECH

The 101st year as a forum for the exchange of information in scientific and technical fields
A club for people who never stop learning

Meeting at 12 noon on Mondays, Northside K of C, 2100 E. 71st St., Indianapolis, IN
In an emergency call 317-253-3471

Admission & lunch \$12 @ 11:15 am, admission & coffee \$2
Reservations not needed

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<http://www.scientechclub.org>

<http://www.scientechclub.org/foundation/AngusFoundation.asp>

John Prentice, President

Jim Willson, VP

Bob Yee, Secretary

Jim Dillon, Treasurer

April

- 22 **Program:** Have You Inherited a Hereditary Cancer Syndrome?
Speaker: Glenn Bingle, MD, PhD, Professor of Genetics, IUSM; Director, Department of Genetics, Community Hospitals of Indianapolis
- 29 **Program:** The American Indian Cultural Collapse in 1300 A.D.
Speaker: Greg Wright, President, Central Indiana Chapter, Association of Certified Fraud Examiners

May

- 6 **Program:** Deep Learning Explained: The Future of Smart Networks
Speaker: Melanie Swan, MBA, MA, Technology Theorist, Department of Philosophy, Purdue University
- 7 **Board of Directors:** 6:30 pm, Northside K of C
- 13 **Program:** Marian University STEM Summer Camps
Speaker: Janice Hicks Slaughter, Director of Partnerships and Outreach, Klipsch Educators College, Marian University

More at: <http://www.scientechclub.org/programs/calendarpagecss.asp>

Today's Presentation

Program: Tour DNR Fish Hatchery in Martinsville, IN Organized by Jim Bettner

Speakers: Jeff Malwitz, Kyle Robertson

Introduced by: Tom Lauer

Attendance: 53

Guests: 0

Scribe: Jerry Kurlander

Editor: Bill Elliott

A Miller Company bus transported Scientech Club members and friends to the Cikana State Fish Hatchery East Unit in Morgan County near Martinsville. The hatchery is part of the Dept. of Natural Resources Division of Fish and Wildlife.

The program was conducted by two senior members of the hatchery crew. The group was divided into two, one-half to a classroom and the other to the egg hatchery and ponds. After a time the locations were switched.

There are six Indiana state fish hatcheries located throughout Indiana divided into six districts. They produce 23 million fish representing 18 different species and strains. These include black crappie, Bluegill, brown trout, channel catfish, walleye, coho and chinook salmon among others. These fish species are provided for stocking in bodies of water throughout the state. The DNR does not provide fish for private ponds.

The fish from the State hatcheries are used to rebuild fish stocks following lake draining or renovation, to rebuild fisheries after fish kills and to enhance the fishing experience in Indiana as well as many other purposes. Funding is from federal and state sources the latter especially from fishing licenses. The State hatcheries also provide the fish and other material for the extensive display seen at the Indiana State Fair each summer.

The tour included the larger East Unit of the fishery. The culture building contains sixteen rearing tanks and two jar batteries that are used for egg incubation. The 72 acre fishery contains 22 earthen ponds with a water surface area of almost 21 acres. Each pond slopes and drains into its own basin to provide for gathering of the fish. Four wells on the property provide water to the ponds and to a 10,000 gallon tank that feeds the culture building. The water supplied has a constant temperature of 54 degrees. There are other buildings on the campus which include the manager's residence. The manager is required to live on the premises.

The extensive fish culture in the ponds is essentially a simulation of nature with control over the number of fish per pond and the food source. Using a water source such as well water from a capacious aquifer makes fertilizing necessary to produce a sufficient amount of zooplankton needed to feed the small fish. Additional food sources are commercial fish food and hatchery raised fish such as fathead minnows and goldfish.

The primary species raised at Cikana are walleye, saugeye (cross between a walleye female and a sauger male), channel catfish and smallmouth bass.



Jeff Malwitz



Kyle Robertson



Tanks for frye



Pond for Largemouth Bass



Walleye eggs