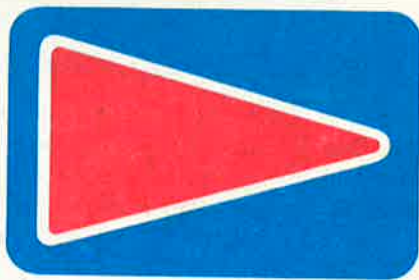


SMALL CRAFT ADVISORY



Vol. 1 No. 8

National Association of State Boating Law Administrators

May 1986



President's Corner

by Carroll Henneke

This issue is dedicated to National Safe Boating Week, June 1-7. All of you should have received your 1986 Action Manuals some time ago. As with the past several years, the manuals are excellent. The National Safe Boating Council, Inc. and particularly the National Safe Boating Week Committee are to be commended for their efforts and early disbursement of materials.

Often times we as boating law administrators are so busy putting out what we may consider larger fires, we disassociate ourselves from this important week by delegating the responsibility and necessary involvement to another. Certainly, I am not suggesting others aren't capable; in fact,

many fine state efforts are conducted by education specialists or department publicity specialists. The real thrust of this commentary is that as boating law administrators, we should be intimately involved with the efforts of our agency.

National Safe Boating Week can be an important tool for each of us in our mission to reduce boating injuries and fatalities. Proper development and implementation of the activities surrounding this week can establish invaluable contacts covering a wide range of individuals and corporations. Take a moment to consider including your state's casualty insurance carriers trade association. Many times these groups have publicity personnel and budget monies for such efforts and can do much to

complement your initiatives.

In considering the massive work already completed by the National Safe Boating Council, Inc., we would be remiss if our dedication to this project did not at least match the Council's.

It may be helpful to reiterate what many of our members have advocated for some time. We should perhaps refrain from using the term "boating education" and "boating safety" in our discussions with the boating public. These terms understandably are often turn-offs to people. On the other hand the development of "boating skills" kindles a genuine desire to escalate one's knowledge and practical abilities.

Till next month. ►

Observations

by Bill Ladd

Americans have increasingly looked to the water for recreation and relaxation. Latest industry estimates show that almost 70 million Americans currently participate in recreational boating.

In recognition of the need for boating safety, on June 4, 1958 Congress authorized the president to proclaim the week commencing with the first Sunday in June as National Safe Boating Week.

This year it falls on June 1-7. Reading through this issue, you will see that a tremendous amount of work has been done to make National Safe Boating Week more than just dates on the calendar.

This undertaking is sponsored by the National Safe Boating Council, Inc., an umbrella organization for nearly every national group involved in boating safety, including several from Canada.

Special thanks go to Chairman Dale Morey, boating law administrator from Wisconsin, and Bob Green, of the U.S. Power Squadrons and chairman of the Safe Boating Week Committee. The action

manuals were distributed to all member organizations early in the planning cycle.

Thanks to Bob Green and King Features Syndicate, the theme, "Be Smart, Take a Boating Course!" highlights Popeye and his family. We appreciate all the hard work, recognizing the work still to come.

Remember, however, boating safety is a year round job. ►

Looking Ahead

June 1-7

National Safe Boating Week

June 2-6

Ohio/Pennsylvania
Small Craft Training College
Camp Temple Grove, Pennsylvania

June 9-12

Northeast States
Boating Administrators Conference
Ramada Inn
Mystic, Connecticut

July 9-11

Western States
Boating Administrators Conference
Stapleton Plaza Hotel
and Athletic Center
Denver, Colorado

August 5-8

North Central International Association
of Boating Administrators Conference
Westbury Hotel
Toronto, Ontario

September 18-21

U.S. Power Squadrons
Fall governing board
MGM Hotel
Reno, Nevada

September 28-October 1

National Association of State
Boating Law Administrators
National Conference
Holiday Inn Georgetown
Washington, D.C.

SMALL CRAFT ADVISORY

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Georgia governor signs OUI law



Governor Joe Frank Harris signs Georgia's new boating under the influence law as Leon Kirkland (l.), director of the Game and Fish Commission, and Joel Brown, boating law administrator, look on. The new law makes it unlawful to operate any boat under the influence of alcohol. The law has an implied consent

provision, establishes legal limits of blood alcohol concentration and includes testing procedures. In the event of a boating fatality, the medical examiner must test for BAC and drugs. Results must be recorded in the death report.

Penalty for OUI is a maximum 12 months in jail and/or \$1,000 fine.

Proposed legislation suggests more search and rescue calls for Auxiliary

In reporting out proposed legislation in mid April, the House Merchant Marine and Fisheries Committee agreed the Coast Guard should have sole authority in determining the best means of responding to a call for search and rescue assistance. This would allow the Coast Guard to call on qualified members of the Coast Guard Auxiliary to answer calls for assistance.

Though highly trained for such service, the Auxiliary has been underutilized, primarily because of Coast Guard policy deferring to private towing companies for daytime non-emergency calls.

In reviewing the Coast Guard Authorization Act of 1986, the House Coast Guard and Navigation Subcommittee determined that recreational boaters in distress should have access to all available help. Auxiliary operational vessels, which are inspected annually, must meet high equipment standards and their operators receive extensive training before being uti-

lized by the Coast Guard for search and rescue.

Another section of the proposed legislation provides for contracting out Coast Guard services, such as servicing aids to navigation. The committee agreed that the Coast Guard should consider contracting whenever services of comparable quality can be provided by the private sector at less cost to the public and without harm to the institutional viability of the Coast Guard.

The Coast Guard Authorization Act of 1986 proposes that everyone in the business of towing disabled vessels be licensed. Operators of towing vessels of more than 26 feet are currently required to prove their competency to the Coast Guard. This would extend the requirement to operators of vessels under 26 feet.

The proposed legislation would set aside one to two percent of the funds appropriated to state recreational boating safety programs for the Coast Guard's cost of administration.

In Brief

Enforcing OUIs

It is up to the states to enforce drunk boating violations, the office of Management and Budget has determined. After reviewing U.S. Coast Guard proposed regulations to establish standards for enforcing a 1984 Act of Congress making intoxicated boating a federal offense, OMB decided that enforcement is best left to the states. The Coast Guard's proposed rulemaking has been put aside indefinitely.

The legislative history of the federal anti-drunk boating statute shows that it was not the intent of Congress to have the Coast Guard play a primary role in the pursuit and apprehension of persons suspected of operating a vessel while under the influence of intoxicating liquor, but only to back up state efforts.

Query

The Virginia Commission of Game and Inland Fisheries has been directed to conduct a study of recreational boating and crowded waters to determine how increasing deaths, injuries and property damage can be reduced. This study must be completed by late 1986. If similar surveys have been conducted in any of the states, Virginia's boating law administrator would like to see copies. Please send any available copies of such surveys to:

Nancy Jamerson, BLA, Commission of Game and Inland Fisheries, P.O. Box 11104, Richmond, VA 23230.

Correction

In the synopsis of the organizational structure of the agencies in which the boating law administrators work that appeared in the March 1986 issue, please note the following changes:

Kansas

Kansas Fish and Game Commission

Bill Hanzlich, director

Omar Stavlo, chief of law enforcement

Vermont

Boating Law Administrator

Lt. Michael C. Vinton

Cover photo by Bill Jean, boat repairman, National Park Service, Lake Mead, NV. MKI Jean, USCGR, a member of the U.S. Coast Guard Olympic Task Force, photographed the rigid hull inflatables during the 1984 Olympics in Los Angeles.

New York aims for uniformity in boat programs

by Nelson Potter

New York, not usually thought a "water state," has one of the most varied water recreation systems in the country. The Long Island-New York City area alone accounts for 3,100 miles of coastline. New York borders on two Great Lakes and encompasses 4,000 smaller lakes and ponds. Add to that numerous reservoirs and 70,000 miles of rivers and streams, and a most difficult boating safety job is apparent.

The Hudson River presents us with conflicts among large oceangoing interests, sailboaters, commercial and recreational fishermen, and thousands of power boats. With 340,000 registered vessels on our waters, and an estimated 100,000 non-registered vessels, New York State's boating safety program is stretched to the limit.

New York's boating safety efforts are led by the Bureau of Marine and Recreational Vehicles in the Office of Parks, Recreation and Historic Preservation. Our Commissioner, Orin Lehman, has appointed a Boating Advisory Council to provide input from various publics including boaters, media, manufacturers and dealers, who, working with the Director of Marine and Recreational Vehicles, provide continuous expertise on boating safety.

New York's boater education program is mandatory for youngsters 10 to 15 years old. The Young Boaters Safety Course is taught by volunteers. Sixty State Park Police officers are now receiving three days of instructor training to augment the volunteer program with a core of professionals who will add stability and consistency to our efforts.

State Park police are the primary water-program trainers for local police. Each spring and fall they conduct five-day seminars on Navigation Law Enforcement and Boating Safety. State Park officers accompany local police to the Coast Guard Boating Safety Course in Yorktown. Our goal is to have a completely trained, uniform law enforcement program within the next five years.

more on next page

NESBAC News

Connecticut

Since the theme of National Safe Boating Week is "Be Smart — Take a Boating Course," Connecticut will try to have a large number of boating safety courses scheduled during the week of June 1-7.

The Marine Patrol will probably coordinate with the Coast Guard Auxiliary in an attempt to get a Safe Boating Week proclamation from Governor William A. O'Neill. As of this writing they are still considering publicity efforts.

Delaware

Prior to National Safe Boating Week, the Delaware Boating Council holds a dinner meeting, during which Governor Michael N. Castle's proclamation is read and the marine police officer of the year is named.

Boat safety patrols around ramps will be increased during Safe Boating Week. Along with the Coast Guard Auxiliary, U. S. Power Squadrons and other boating groups, the Division of Fish and Wildlife will set up displays at shopping malls. All marine dealers will be contacted and reminded of their role in boating safety throughout the year.

Radio and newspapers will be contacted. Members of the Delaware Boating Council include boating writers for the two largest newspapers in the state.

District of Columbia

Mayor Marion S. Barry, Jr. will proclaim Safe Boating Week in the District of Columbia to inaugurate Riverfest, a month long city sponsored festival. During Riverfest, the Harbor Patrol will conduct water safety demonstrations.

Posters and pamphlets from the National Safe Boating Council will be distributed around the city. Regular boating safety classes will be conducted.

Maine

Three boating safety public service announcements are being produced in Maine and the Department of Inland Fisheries is trying to draft Governor Joseph Brennan to appear in one of the spots. It would be the first time that the

governor of Maine has participated in National Safe Boating Week.

Together with U.S. Power Squadrons, Coast Guard Auxiliary, American Red Cross and other boating groups, the department will have safe boating exhibits in shopping malls during the week.

Maryland

Maryland Governor Harry Hughes will issue a proclamation for National Safe Boating Week at a photo session with several members of the Boat Act Advisory Committee. Special public service announcements will be released by the Natural Resources Police using material from the National Safe Boating Council's action manual. Along with the general announcements, alcohol and boating and white water boating will be highlighted.

Programs will be conducted with various boating safety organizations and recreational groups.

Massachusetts

A boating safety van will travel around Massachusetts for a month prior to National Safe Boating Week. The posters and pamphlets from the National Safe Boating Council will be on display in the van as it travels to shopping centers giving boaters the opportunity to register their boats early.

Although no plans had been made in early April for joint programs with the Coast Guard Auxiliary, the Department of Fisheries, Wildlife and Environmental Law Enforcement has assisted with parades in the past.

New Jersey

The signing of a Safe Boating Week proclamation by New Jersey Governor Thomas H. Kean will be attended by the Marine Law Enforcement Bureau, Coast Guard Auxiliary, U.S. Power Squadrons, Marine Trades Association, Boat Regulation Commission and members of the press.

The theme of the Boat Regulation Commission's quarterly publication, *Compass Course*, will be "Be Smart—

Take a Boating Course." It will feature articles on education and training.

The bureau plans to participate in activities sponsored by other members of the boating community.

New York

The month prior to National Safe Boating Week, New York's boating law administrator is on the road doing television and radio shows around the state. Local police, Coast Guard Auxiliary, the director of the Barge Canal System and the president of the Hudson River Pilots Association are invited to go on the air with him to give their safety message.

Marinas, yacht clubs, Auxiliary units and other public areas will be papered with handouts on boating safety courses.

Governor Mario M. Cuomo will sign a proclamation and press releases will be issued. At the beginning of the boating season, the press usually calls the boating administrator for news.

Pennsylvania

Volunteer boating organizations, the Bureau of Waterways and the press attended a luncheon following the signing of the Safe Boating Week proclamation by Governor Dick Thornburgh in early April.

This will mark the first year of the Ohio/Pennsylvania Small Craft College, which has been scheduled during Safe Boating Week to emphasize the theme, "Be Smart—Take a Boating Course."

Prior to Safe Boating Week, the Fish Commission's radio program will place

heavy emphasis on boating safety and education.

Local law enforcement officers will participate in shows around the state.

Rhode Island

Governor Edward DiPrete signed a proclamation naming June 1-7 Safe Boating Week in Rhode Island.

The state will use materials provided by the National Safe Boating Council to publicize the week. Private boating organizations plan programs independently of the state's efforts.

The production of public service announcements will depend on funds available.

Vermont

During National Safe Boating Week the Marine Division of the Vermont State Police will launch its well publicized inspection of boats on both land and water. After passing a nine-point safety inspection, boats will be given a marine inspection decal.

Boating clubs, camping associations and other groups have been sent copies of *Vermont Better Boating* with information on the availability of the course.

The division is working with the Coast Guard Auxiliary to get television coverage of Safe Boating Week and to produce public service announcements. Boats and troopers will be on hand at open houses at Coast Guard stations.

Governor Madeline Kunin signed a Safe Boating Week proclamation.

Territories

Virgin Islands

The Department of Conservation and Cultural Affairs, Coast Guard and Auxiliary, Civil Defense, National Park Service, Red Cross and Fire Service will participate in a boating safety fair in St. Thomas during National Safe Boating Week. There will be maco jumbi, music, balloons and booths where boating safety materials will be displayed. A patrol boat

will be on hand to demonstrate the use of PFDs and other safety equipment.

Hon. Juan Luis, governor of Virgin Islands, will issue a Safe Boating Week proclamation.

Television, radio and newspaper ads will run in advance and during the week. Boating officials might be on a radio talk show during which boaters can call in and ask questions.

We see an important need to educate the adult population, since many take to the waters without a thought about safe boat handling, required equipment, or the "rules of the road." Following the lead of other states, we are planning a voluntary adult home study program to be instituted by January 1, 1987.

New York's boating accident rate fell dramatically in 1984, then rose again slightly in 1985. We are automating our boating accident reporting system. This will enable us to identify high-accident bodies of water and target our efforts to the areas with the greatest need. Additionally, education, safety and enforcement programs will be expanded in 1986. With these combined efforts, we look forward to a reduction in accidents at least back to the 1984 level.

Most of New York's Water Safety program is funded from general state revenues. One half of boat registration fees are turned over to local law enforcement agencies in the form of state aid. The Office of Parks, Recreation and Historic Preservation distributes these funds according to a mandated formula. Our agency provides navigational aids to localities that have lost Coast Guard assistance.

The Boating Safety Assistance program has stimulated growth in New York's program. Federal money has funded 43 new enforcement units, which will be supported by state and local revenues. This has created a climate for state government to provide more revenue for boating safety, to develop new laws on titling of boats, and to implement anti-theft programs. ▶



Nelson Potter, New York's boating law administrator, is director of the Bureau of Marine and Recreational Vehicles in the Office of Parks, Recreation and Historic Preservation.

Water Patrol has varied duties in Missouri

by Col. David Scott

In 1959, the 70th General Assembly enacted legislation for regulation of boating in Missouri. The law provided for certain state department heads to be designated as a commission and the resulting agency was called the Missouri Boat Commission. The primary purpose of the commission was to make the waters of the state safe for boating and other water activities through the registration and inspection of boats and through safety education and law enforcement.

Many changes occurred through the years. A five man commission changed to a six man bipartisan commission, and the authorized number of patrolmen has grown from eight to 62. In 1974, the operation was retitled the Division of Water Safety.

Water safety patrolmen are granted powers of peace officers to enforce all laws of the state upon any of its waterways.

The Division of Water Safety operates in a quasi-military fashion with authority being delegated by rank to patrolmen who are held accountable for carrying out the policies of the commissioner. The commissioner is appointed by the governor and has the rank of colonel. The state is divided into five districts with a captain in charge of each district. Second in command to the commissioner is a lieutenant colonel who assists with the administrative work and is field supervisor.

Training of patrolmen has improved through the years. Recruits receive four months academic and physical training by Missouri State Water Patrol and Highway Patrol instructors. Accident investigation, first aid and CPR, watercraft regulations, criminal law, techniques of arrest, firearms, preservation of evidence, survival swimming and defensive tactics are among the subjects of instruction. After recruit school, on-the-job training is given by an experienced field officer.

The division is on call to assist in rescue, to prevent pilfering from vacated buildings and to provide other services

more on next page

SSBLA News

Alabama

Alabama will be blitzed with radio, television and newspaper boating safety messages during National Safe Boating Week. Marine Police Division radio spots will be aired statewide and releases sent to all newspapers.

In areas where the Coast Guard Auxiliary and U. S. Power Squadrons are active, the Marine Police will participate in planned programs. Local television coverage of the observance will be the responsibility of local patrol officers. Routine boat patrols will concentrate on operating under the influence and moving violations.

Governor George C. Wallace will sign a Safe Boating Week proclamation as will several mayors.

Arkansas

The Arkansas Game and Fish Commission, Coast Guard Auxiliary and other boating groups attended the signing of a Safe Boating Week proclamation by Governor Bill Clinton on May 6.

The commission is working with the Auxiliary on publicizing Safe Boating Week. All media in the state will be contacted. The two groups have also arranged for a special radio broadcast.

Florida

Although Florida promotes boating safety year around, June 1-7 will see an extra effort. Three major television stations will feature Safe Boating Week on programs that will include interviews with the director of the Florida Marine Patrol and the boating law administrator.

Training sergeants, armed with the kits sent by the National Safe Boating Council, will hit local radio and television.

Marine Patrol boats and helicopters will participate in a Miami event which includes displays and a marine parade. Also participating will be local sheriffs, U.S. Power Squadrons, U. S. Coast Guard and the Auxiliary.

A Safe Boating Week proclamation was signed by Governor Bob Graham.

Georgia

Governor Joe Frank Harris signed a Safe Boating Week Proclamation during a ceremony when long awaited operating under the influence legislation was signed.

National Safe Boating Council action kits were sent to the 12 law enforcement districts and will be used based on local need. In some areas, joint programs will be conducted with the Coast Guard Auxiliary, in others with the American Red Cross or local marinas.

The news will be heard on the Department of Natural Resources' weekly radio show and state media will be blitzed with releases.

Kentucky

During National Safe Boating week, boating safety classes will be held at Kentucky state parks. Boating safety inspection checkpoints will be installed on the lakes. On one lake, a pontoon manned with officers will serve as a drive through inspection point. Boats passing inspection will be given a decal.

A proclamation signing ceremony with Governor Martha Layne Collins is planned at a state facility.

Radio and video public service announcements will be sent out and releases issued to the press.

Louisiana

The Southeastern Louisiana Search and Rescue unit will stage a mock disaster on Lake Pontchartrain during National Safe Boating Week. The Department of Wildlife and Fisheries will also participate in boating displays with help from area military installations.

In New Orleans, the Metropolitan Boating Council, which includes representatives from a number of boating organizations and Wildlife and Fisheries, will hold a parade displaying many types of equipment.

Two special public service announcements were produced, news releases sent out, and agents will talk on radio stations throughout the state.

Mississippi

The Blessing of the Shrimp Fleet takes place in Mississippi during Safe Boating Week and prior to that event the coastal counties will issue releases on boating safety to television, radio and newspapers.

The U.S. Power Squadrons and Coast Guard Auxiliary are planning many activities, from children's drawing contests to a Miss Mississippi Safe Boating Week pageant.

Tapes with songs and jingles will be sent to major radio stations. Permanent signs with boating safety tips will be installed in popular boating areas.

A Safe Boating Week proclamation will be signed by Governor Bill Allain.

Missouri

The Missouri Water Patrol will conduct courtesy boat inspections during National Safe Boating Week and will set up sobriety checkpoints on the water.

The Water Patrol will participate in a program in the St. Louis area with the Coast Guard, Coast Guard Auxiliary and U.S. Power Squadrons.

A statewide press release will be issued, but most publicity is handled on the local level by the captains in the six districts. Many radio stations will ask local officers to cut radio spots on boating safety.

North Carolina

National Safe Boating Week will be publicized in North Carolina's wildlife magazine, on its radio program and through news releases.

Specific programs in the state will be coordinated through the local boating safety officers.

Oklahoma

After Governor George Nigh signs the Safe Boating Week proclamation in Oklahoma, it is anticipated the television stations will contact the Lake Patrol for more news. Reporters and cameramen usually ride with the patrol on one of the lakes to do a report on boating safety.

Posters will be put up in marinas and Better Boating Courses will be announced.

The Lake Patrol assists with planned Coast Guard Auxiliary regattas and other events.

South Carolina

Governor Dick Riley will sign a Safe Boating Week proclamation issued by the South Carolina Wildlife and Marine Resources Department, Coast Guard Auxiliary and U.S. Power Squadrons.

It is usually the Auxiliary and U.S. Power Squadrons that publicize the week and plan the events. The Wildlife and Marine Resources Department assists as needed.

Tennessee

Television spots on safe boating practices are being produced and articles on boating safety will be released to the newspapers in Tennessee to advise the public of National Safe Boating Week. Both the U.S. Army Corps of Engineers and Coast Guard Auxiliary are arranging to make boat safety inspections at launch ramps throughout the state.

Governor Lamar Alexander will sign a Safe Boating Week proclamation.

Texas

The Texas Parks and Wildlife Department's Information and Education Division makes every effort to publicize National Safe Boating Week through all news media. The governor has traditionally signed a proclamation declaring Safe Boating Week in Texas to coincide with the national event.

Virginia

The May issue of *Virginia Wildlife* will feature National Safe Boating Week as its cover story.

The Virginia Game Commission plans to publicize and support Coast Guard Auxiliary courtesy marine examinations that will be offered during Safe Boating Week.

Two new television public service announcements were produced, and will be released during the week of June 1-7.

needed during floods. The division works closely with the State Emergency Management Agency and any other agency requesting assistance.

The division has an agreement with the Clean Water Commission to assist with major water pollution incidents. Patrolmen watch rivers and lakes to advise the commission of any pollution observed.

The water patrol assists local sheriffs as requested. Each patrol boat is equipped with two-way communication to monitor sheriffs' networks.

The division assists any local or state agency in the recovery of drowning victims from any body of water in the state. A diving team of 15 water safety officers is trained and equipped for rescue and recovery operations.

We patrol all major waterways in Missouri, which include 670,000 acres of lakes, 495 miles shoreline of the Mississippi River and 950 miles shoreline of the Missouri River.

Other duties of the water patrol include administering boat and water programs and providing safety exhibits at boat shows and fairs. The division patrols regattas, races, fishing tournaments and skiing exhibitions and authorizes the placement of navigation buoys.

Missouri is fortunate to have many large recreational lakes, rivers and clear water streams. The recreational center of the Midwest, the state has 329,439 registered boats. In addition to Missouri boaters, an estimated 30,000 out of state boaters enjoy our waters on any typical summer weekend. ►



Col. David Scott, commissioner of the Missouri State Water Patrol, is the state's boating law administrator.

Be wary Read the label

In most parts of the country, boating season is about to get into high gear. Boats have been brought out of storage and are being made ready for a busy season. Patrol boats are checked from stern to stern and outfitted from bottom to top sides to be safe, reliable and ready for service.

Marine products used for the building and maintenance of boats have undergone extensive development in the past several years. Finishes are

more durable and more beautiful than ever. But this is the era of high tech and boat owners, maintenance workers and boat yard employees must realize these new products are tricky to use and sometimes quite dangerous.

The following article was written by the editors of *The Practical Sailor* and is reprinted here with their permission.

Toluol . . . methyl isobutyl ketone . . . aliphatic hydrocarbon . . . isopropyl alcohol.

If you have trouble pronouncing the names of these chemicals, don't feel like a dunce. However, if you still wash your hands in them, step to the back of the class. These chemicals are found in Laquol, a common lacquer thinner. We used to marvel at how it would take epoxy off our hands. Pretty stupid.

Then we went back to school. We attended a seminar on health hazards in boatbuilding given by Marine Health Services of Bar Harbor, Maine. We learned a lot.

The above-mentioned chemicals are easily absorbed through the skin or by breathing vapors, and are likened to skin and brain damage. Some aliphatic hydrocarbon mixes are contaminated with benzene, which can cause liver, blood and kidney damage. Leukemia, too. Needless to say, we stopped washing in Laquol.

Denatured alcohol seemed like a good alternative. That is, until we read the label of the brand sold in our local chandlery, Doversol. It contains methanol, which also has the potential to damage the skin and brain, as well as the liver and optic nerve. Next to the Doversol was a shelf of Tru Brush Shampoo & Restorer. It contains methanol as well, and methylene chloride, which adds the blood and lungs to the list of affected systems.

We began to wonder if nearly every substance we use on our boats has some health hazard attached to it, so we began poking through the rest of the shelves. Z-Spar Captain's Varnish, a product we never used with protective gloves, contains petroleum distillates and the tongue-twister, ethylene glycol monoethyl ether. The fine print on the can warns that dangerous concentrations of these vapors could cause death from explosion or from breathing.

"Petroleum distillates" is a frequently encountered "soft" term used for many of those nasty hydrocarbons that can wreak havoc with your skin and brain. Boat Armor's Unique Teak Sealer is another product that lists petroleum distillates in its contents.

Glycol ethers are worse. They can penetrate the skin or be inhaled *without* causing irritation, so you won't know what hit you. Overexposure can cause anemia. Exposure to 1982 OSHA (Occupational Safety and Health Administration) permissible levels has been shown to cause birth defects and testicular damage in laboratory animals.

3M 5200 Polyurethane Sealant contains the isocyanate, toluene diisocyanate, which can cause breathing difficulty

Boat Maintenance

and asthma-like attacks. Prolonged exposure can reduce lung capacity. We also found isocyanates in other products—by reading the labels.

Weldwood Contact Cement contains toluol, acetone and hexane, all strong skin and brain irritants. Hexane has been linked to peripheral nervous system damage, toluene to heart attacks. Ethyl acetate is another substance that does wonders for your appearance and intellect; we found it in 3M Marine Teak Primer.

Most people know enough nowadays to consider wearing gloves and respirators when working with polyurethane paint and bottom paints. We grabbed a can of Interlux Interthane Plus and sure enough found it contained stuff like ethylene glycol monoethyl ether acetate and aliphatic polyisocyanate . . .

After our brief tour of the chandlery, the question was not which products are hazardous to your health. It seems that nearly all of them are to some degree. To what degree is the real question. Just what is dangerous exposure?

The safety-in-boatbuilding seminar was able to pinpoint industrial hazards, but not the hazard to the do-it-yourselfer who occasionally comes into contact with the above-mentioned chemicals and solvents. OSHA does publish safe exposure levels



Boat Maintenance

but there is no easy way for the amateur to measure these levels.

The more science learns about the effects of solvents on the body, particularly the brain, the more deadly they seem. Brain damage from long-term occupational exposure is thought to bring on premature senility. Some solvents are stored in the liver. Few boaters realize that solvents in their bottom paints are more dangerous than the antifouling ingredients.

There are a few general precautions that are important for the amateur boatbuilder/do-it-yourselfer to take:

Don't spray paint.

Let a professional spray. If you must spray, wear a respirator with vapor filters and cover your skin. If you have a beard, a face mask-type respirator is of no help.

Use adequate ventilation.

Wear a proper respirator. Dust or particle masks do not block solvent vapors.

Wear gloves.

Don't get glues and paints on your hands. You'll just end up tripling the exposure by needing strong solvents to get them off. Disposable latex (or heavier) gloves are an affordable way to protect yourself. Amateur boatbuilders should also use a barrier cream under the gloves. Better safe than sorry. ▶



Illustration by Laura Tosis

Repair with caution

*The research that was done at Marine Health Services in Bar Harbor, Me. on the hazardous substances used in boatbuilding and repair can be found in the book **Safety and Health in Boatbuilding and Repair***

*by Christopher Brigham, M.D., of Marine Health Services, and Philip Landrigan, M.D., of National Institute of Safety and Health. The following, excerpted from the book, is printed courtesy of **The Practical Sailor**.*

People working on fiberglass boats should be aware that many of the materials used in fiberglass construction or repair present severe hazards.

Styrene

Styrene is both a diluting solvent and reactant. It can be absorbed into the bloodstream by ingestion, inhalation or absorption through the skin. It can irritate the eyes, nose, throat and skin. It acts as a narcotic; high concentrations may cause sleepiness or loss of consciousness. It is also known to be injurious to the liver.

For the boat worker, principal exposure is via inhalation—ventilation and proper respiratory protection devices are essential.

Acetone

Acetone is a highly volatile compound with a low flash point which makes it a serious fire and explosion hazard. Although the least toxic of the ketone solvents, high concentrations of acetone can produce central nervous system dysfunctions.

Epoxy

Contact of epoxy resins with the skin can cause severe burns and/or a permanent allergic reaction. In high concentration, methyl isobutyl ketone (MIBK), a catalyst for epoxy resin, may cause headaches, dizziness or nausea.

Hydrocarbon Solvents

Hydrocarbon solvents are commonly used in paints. Absorption of the aromatic hydrocarbons—benzene, toluene and xylene—typically causes central nervous system depression and skin, hepatic, renal or bone marrow disorders. Benzene is

known for its toxic effect on the blood formation system and is a recognized leukemia causing agent.

Toluene and xylene are irritative to the eyes, respiratory tract and skin. In high concentration, xylene can cause pulmonary edema, anorexia, nausea, vomiting and abdominal pain.

Ketones

Ketones used as solvents include acetone, methyl ethyl ketone (MEK) and methyl isobutyl ketone (MIBK). On contact with the skin, they produce a dermatitis. High vapor concentrations can cause irritation of the upper respiratory tract and central nervous system depression.

Paint Resins

Increasingly, marine paints utilize synthetic resins. Urethane resins contain organic isocyanates which can cause severe irritation to the conjunctiva and respiratory distress. Toluene diisocyanate is an animal carcinogen.

Proper protection when spraying urethane paints is essential. An air supplied helmet should be worn during application and until the work area has been exhausted of all vapor.

Protection

"Nuisance-dust" masks are designed to trap large diameter, non-toxic particulates. "Toxic-dust" masks should be used to protect against dust from fiberglass sanding, chemically treated lumber and allergenic woods.

"Organic-vapor" respirators are necessary to protect against solvents. Respirators should be fit tested. If an exhalation valve leaks, or if the mask does not seal against the face, the mask is ineffective. The effectiveness may also be reduced by 90 percent or more if it is worn over a beard. ▶

Boating enjoyed year around in North Dakota

by Wilmer J. Pich

Boaters in North Dakota are versatile, many enjoying their sport year round. Boating season is usually from Memorial Day to Labor Day, but since Garrison Dam Tailrace and Nelson Lake remain relatively ice free during the coldest winter months, fishing enthusiasts are there all year. Waterfowl hunters use other areas during the hunting season. These sportsmen, who reap the most benefits from the state's waterways, encounter the most problems.

North Dakota boasts a variety of water areas, from small natural lakes to mammoth man-made ones, from the winding Turtle River to the mighty Missouri. Natural lakes vary in size from the small, pristine lakes of the Turtle Mountains to the large Devils Lake chain which sprawls over 60,000 acres. Man-made areas range in size from small stock dams to the 383,000 acre Lake Sakakawea.

North Dakota has miles of other streams and rivers popular for canoeing, such as the Pembina where a brief white water experience can be enjoyed during the spring thaw.

Dams and other structures on the rivers may benefit or hinder boaters. Low-head dams have been the sites of tragic accidents in recent years.

Canoes, kayaks and other nonpowered craft have become popular. Fishermen and hunters who use nonpowered watercraft usually don't consider themselves boaters and often encounter situations requiring boating knowledge.

In 1975 the Legislature passed laws to conform with federal law requiring all motor powered vessels to be numbered and registered. (There is no titling law in North Dakota.) The December 31 tally showed 37,598 registered vessels of which 36,891 were powered and 707 were nonpowered.

A continuous, broad education program must be maintained to reach all levels of water recreationists. Safety presentations on cold water near-drowning rescue techniques, boat safety requirements, and low head dams are among the topics presented to utility companies, sportsman's clubs,

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NCIABLA News

Illinois

National Safe Boating Week in Illinois will be a culmination of an effort toward boating safety in 1986 that began with publicity surrounding the new boating under the influence law.

During the week, boating safety education classes will be scheduled throughout all five regions. Conservation officers will conduct over 2,000 courtesy boat inspections.

After the Safe Boating Week proclamation is signed by Governor James Thompson, the Department of Conservation plans to work with the Coast Guard Auxiliary, U.S. Power Squadrons, American Red Cross and others to promote safe boating. Public service announcements and radio and television programs are planned statewide.

Indiana

Most of the Safe Boating Week activities in Indiana are left to the officers in the field. The materials from the National Safe Boating Council are distributed to the officers and they do with them as they see fit.

Copies of public service announcements are sent to all supporting radio stations. Materials from the council's packet will be distributed to the media, but a spokesman from the Department of Natural Resources expected coverage to be minimal.

Iowa

The Iowa Safe Boating Committee, which includes representatives from the Coast Guard Auxiliary, U.S. Power Squadrons, American Red Cross, U.S. Army Corps of Engineers and Iowa Conservation Commission, attended the signing ceremony when Governor Terry Branstad proclaimed June 1-7 Safe Boating Week.

Water parades will be held during the week and there will be displays at malls. The commission's cutaway boat, which shows Iowa boaters the required equipment, will be exhibited at boat ramps around the state. The winning entry of a

water safety poster contest has been printed and will be distributed to the schools.

Public service announcements are sent to all radio and television stations and commission personnel will promote safe boating on their weekly radio show.

Kansas

Kansas plans to release special radio and television public service announcements to get the boating safety message out to the public during National Safe Boating Week. Releases to the newspapers will be issued prior to the week.

Information from the National Safe Boating Council has been distributed and posters are up in the regional offices. The Kansas Fish and Game Commission usually works with the Coast Guard Auxiliary during activities planned on the water.

Michigan

In Michigan, where the promotion of boating safety is a 52 week a year effort, little extra is planned for National Safe Boating Week. Copies of the kit from the National Safe Boating Council were sent to the 83 counties for officers to be able to plan local events.

The Department of Natural Resources receives calls from the major newspapers and is asked to write safety articles, but that is done throughout the year.

Minnesota

After Minnesota Governor Rudy Perpich signs a proclamation naming June 1-7 Safe Boating Week, the packets from the National Safe Boating Council will be sent to U. S. Power Squadrons, Coast Guard Auxiliary and county sheriffs to enable them to publicize safe boating in their local areas.

U.S. Power Squadrons members and the local sheriff's department usually give a demonstration at one of the larger lakes in the state.

Special radio script tapes, using information from the packet, will probably be made and sent to stations around the state.

Nebraska

The Nebraska Game and Parks Commission will conduct joint courtesy motorboat examinations with the Coast Guard Auxiliary during National Safe Boating Week. There will be boating safety exhibits at shopping malls around the state.

The commission will issue news releases to the newspapers prior to Safe Boating Week. Governor Robert Kerrey signed a Safe Boating Week proclamation.

North Dakota

In North Dakota, a news release to be sent to all local newspapers and radio and television stations will stress boating education and give information on available courses. A radio script will be written on Safe Boating Week and will be used on the Game and Fish Department's weekly radio show, *North Dakota Outdoors*. The department will work with the U.S. Army Corps of Engineers on any activity they plan for National Safe Boating Week.

In North Dakota, the boating safety campaign is not restricted to one week in the year.

Ohio

The opening of the Ohio/Pennsylvania Small Craft College kicks off National Safe Boating Week in Ohio. Other activities include open houses on the larger bodies of water in the seven districts and exhibits at ramps, marinas and other access points.

After the Safe Boating Week proclamation is signed by Governor Richard F. Celeste, the media will probably contact the Division of Watercraft. Usually television crews ride on patrol boats with officers and talk about boating safety, alcohol, waterski safety and other problems on the waterways.

Ontario

A media event on alcohol and boating will be held during Safe Boating Week at Ontario Place, a waterfront development in Toronto. Sponsored by the Alcohol and Drug Addict Foundation, Canadian Power Squadrons, Red Cross and Minis-

try of Natural Resources, the event will graphically show how alcohol use will effect people tested while boating. Wide radio, television and newspaper coverage is expected.

Plastic bags with the message, "Be Smart—Take a Boating Course," will be handed out at all boat shows and public events.

South Dakota

In South Dakota, special public service announcements on boating safety education have been produced to be aired during National Safe Boating Week. The publicity will promote the boating safety course and encourage people to use it as a home study course.

Patrol boats on trailers will be used to attract people to shopping mall displays. A travelling exhibit of the newest designs in PFDs is planned. People will be encouraged to try on the vests. The importance of children's wearing them will be stressed.

West Virginia

The boating law administrator in West Virginia is scheduled to make television appearances to promote National Safe Boating Week. Local stations will interview local conservation officers on subjects pertaining to safe boating. Special public service announcements have been recorded to be aired during that week and news releases issued to papers around the state.

Wisconsin

Packets from the National Safe Boating Council were distributed to Wisconsin Department of Natural Resources district and field officers to enable them to plan local or regional observances of Safe Boating Week. Over 800 volunteer instructors were notified of the event and its theme, "Be Smart—Take a Boating Course."

Locally, officers will work with volunteer boating organizations to promote safe boating.

Governor Anthony Earl signed a Safe Boating Week Proclamation.

News releases have been issued to state and national media.

school children, college students and homemakers. Printed literature and visual aids are available on request.

The Better Boating Course, required of young boaters who wish to operate boats powered by motors over 10 horsepower, is furnished to youngsters and adults.

Alcohol abuse by boaters seems to be on the rise. Accident investigations and complaints from the public bear this out.

Game wardens, sheriff's officers and highway patrolmen have the authority to enforce the state's boating laws and to stop and board any vessel, but the wardens are the primary boating enforcement officers.

The 29 member enforcement division, a chief warden, pilot warden, four supervisors and 23 district wardens, is spread thin during the brunt of the boating season. Patrol boats include 16-18-foot Starcraft SS models powered by 50 to 115 horsepower motors. Many districts use 12 or 14-foot aluminum boats, canoes and Grumman Sport Canoes with low horsepower motors. All vessels are equipped with two-way radios on the state-wide radio systems.

Boating and fishing activity on North Dakota lakes and rivers has seen a dramatic increase. New techniques in boating enforcement are being tried in an attempt to find more effective ways to control this increased traffic.

Grants offered to county sheriffs assist with the purchase of water safety equipment and salaries of officers participating in boating enforcement, education, or search and rescue.

Hopefully, the combined effort will continue to keep North Dakota's boating accident rate one of the lowest in the nation. ▶



Wilmer J. Pich, Boat and Water Safety coordinator with North Dakota Game and Fish since 1975, is the state's boating law administrator.

Wind on lakes worst hazard for New Mexico boaters

by Otis Chappell

New Mexico, the Land of Enchantment, where the desert meets the Rocky Mountains, has approximately 155 square miles of boatable waters within its boundaries. Boating activities include fishing, sailing, sailboarding, water skiing, white water canoeing, rafting and kayaking.

Reservoirs created by dams constitute the majority of the boating waters, with the Rio Grande River forging a ribbon of water down the center of the state from Colorado to Texas. It is along this river that boating of all kinds takes place.

The New Mexico State Parks and Recreation Division is responsible for boating safety and for enforcement of the Boat Act rules and regulations on all waters within the territorial limits of the state. Boating safety education is also provided by the division.

***Boating activities include
fishing, sailing,
sailboarding, water skiing,
white water canoeing,
rafting and kayaking.***

Boating safety enforcement officers stationed throughout the state provide these services to the boating public. The division is authorized six permanent officers. Four term officers and permanent park rangers are assigned duties of boat officers during the boating season to assist in lake patrols.

At present approximately 34,000 boats are registered in New Mexico. The registration section has one supervisor and two clerks who accomplish the tasks of registering, issuing Certificates of Numbers, validation of decals, H.I.N.'s (hull identification numbers) for home built boats, and receiving and accounting for registration fees.

All boats propelled by machinery or sail (excluding sailboards) are required to be registered. Fees are charged by the length of the vessel for a three-year period. The fee for 16 feet is \$28.20; 16-foot to 26-foot

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WESBAA News

Arizona

The boating education officer in Arizona has prepared several radio public service announcements using such celebrities as Steve Garvey, Willie McCovey and the rock group, Alabama, to spread the safe boating message. The spots are scheduled to start in mid-May and run through the summer.

Arizona doesn't set aside a particular week of the year for safe boating.

California

The Department of Waterways has designated the first week of June to kick off a year long program urging California boaters to take boating safety courses. After a proclamation from Governor George Deukmejian was signed, news releases were issued on Safe Boating Week and boating safety classes.

The Department of Waterways is recommending Coast Guard Auxiliary and U.S. Power Squadrons courses and, for those unable to attend an evening course, advertising the state's home study course. For paddlers, it is recommending paddling safety courses given by the American Red Cross and other organizations.

A 30 second public service announcement on water ski safety, with Peter Graves narrating, has been released to every television station in the state.

Colorado

Since June is American Rivers Month, the American Rivers Conservation Council and Colorado Parks and Outdoor Recreation will promote river recreational boating safety during National Safe Boating Week. They plan to get a joint proclamation from Governor Richard Lamm and to work with major television stations on stories on boating safety, especially river recreational boating. They are trying to get a member of the Denver Broncos to appear in a public service announcement.

The parks department will work with the Coast Guard Auxiliary, who will perform courtesy marine examinations in parking lots at the busier reservoirs.

Hawaii

National Safe Boating Week proclamations are expected from both Hawaii Governor George Ariyoshi and Honolulu Mayor Frank F. Fasi. The state's boating law administrator, members of the Coast Guard Auxiliary and the press will attend the signing ceremony.

During Safe Boating Week, the Harbor Patrol will be out in full force, especially in the high use areas, in an effort to encourage safe boating practices. The thrust of the effort will be to contact boat operators in a waterborne situation to ensure that proper planning has been made for all emergencies before starting a trip. When possible, the patrol will make boat inspections at launch ramps.

Spot radio and television announcements and news releases will urge boaters to participate in boating safety courses offered by the U.S. Power Squadrons and Coast Guard Auxiliary.

Idaho

The Idaho Department of Parks and Recreation's primary activity for National Safe Boating Week will be to see that it gets publicity through press releases to newspapers and radio stations across the state.

Materials from the National Safe Boating Council's packet will be on display in several areas of the state.

**BE SMART
Take a
Boating Course!**



The department and the Coast Guard Auxiliary are proposing to Governor John V. Evans that Safe Boating Week be proclaimed in Idaho.

Montana

The kits from the National Safe Boating Council were distributed to officers throughout Montana to enable them to make their plans for National Safe Boating Week. The Information Division of the Department of Fish, Wildlife and Parks is preparing news releases and public service announcements to publicize the week.

The Coast Guard Auxiliary is training people to make boat inspections in preparation for the courtesy examinations they will conduct during the week.

Governor Ted Schwinden will issue a Safe Boating Week proclamation.

Nevada

A series of safety events at shopping malls and marinas is being planned in Nevada for National Safe Boating Week. White water rafters will put on a safety display; a water hasty team (rescue unit) will hold a clinic on white water safety; sailboarders and catamaran operators will hold a clinic one weekend, and a fly fishing club will have a demonstration on safety using inflated fishing float tubes.

The Department of Wildlife will coordinate with the Coast Guard Auxiliary plans for courtesy boat examinations at marinas.

Governor Richard Bryan will sign a Safe Boating Week proclamation. Radio coverage is planned for the week and the organizers hope to get television coverage of the safety events.

New Mexico

New Mexico's boating law administrator and the Coast Guard Auxiliary will get a Safe Boating Week proclamation from Governor Toney Anaya. Programs with the Auxiliary are planned, including a parade at Truth or Consequences.

The radio and television public service announcements, news releases, posters and bumper stickers from the National Safe Boating Council packet will be distributed and displayed around the state.

Oregon

In Oregon, an intensive effort to get the boating safety message out to the public is made before the opening of trout season, which comes at the end of April. Another effort is made before holiday weekends.

During National Safe Boating Week, the Marine Board works with volunteer boating organizations, sheriffs departments and U.S. Army Corps of Engineers to prepare boating safety displays for shopping malls and ramp site booths.

Press releases and radio public service announcements on the importance of life jackets, the dangers of cold water, and problems of alcohol and boating have been prepared.

Utah

The Utah Park and Recreation Division's main thrust during National Safe Boating Week is getting the news to the press. The Coast Guard Auxiliary joins the division in getting a Safe Boating Week proclamation from Governor Norman H. Bangert. Press coverage is expected during the signing.

Washington

The establishment of a Boating Safety Education Council will kick off National Safe Boating Week in Washington. A boating education symposium for all groups that offer boating safety classes will be held June 1. A press conference at the symposium is anticipated.

The Parks and Recreation Commission will prepare radio and television public service announcements on safe boating with the U.S. Power Squadrons and Coast Guard Auxiliary.

Governor Booth Gardner will sign a Safe Boating Week proclamation.

Wyoming

The first week in June is not the prime time for boating in Wyoming, but the Game and Fish Department plans to increase boat patrols during National Safe Boating Week.

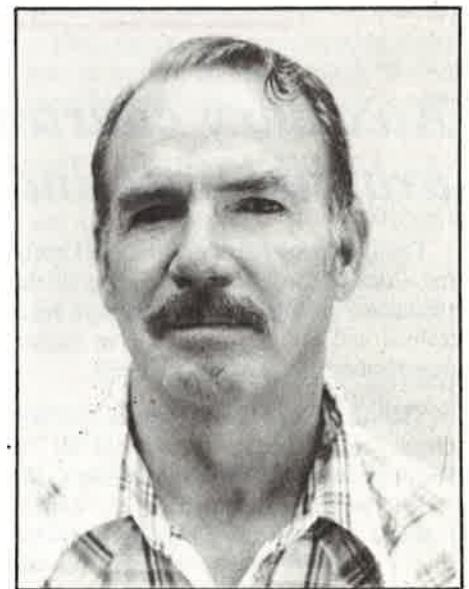
Posters will be on display for the public to see at district offices. News releases on boating safety will be issued and radio spots produced.

is \$36; 26-foot to 40-foot is \$43.50; 40-foot to 65-foot is \$51; 65-foot and over is \$66. A special fee of \$2 per day is collected from boaters from other states who do not have a current certificate of numbers on board while boating in this state.

Funds to operate the boating section are generated from the registration fees collected and from federal grant monies.

Boating safety education is our number one project for the year of 1986. Our officers have presented educational programs to 5,277 persons to this date, with a projected goal of over 10,000 for the year. Our thrust in education is to inform the public of the dangers involved with the use of alcohol and drugs while boating and to inform them of the affects of hypothermia during the cold season.

The wind on our lakes causes most of the deaths related to boating. We have installed 18 wind warning lights at 12 different lakes to inform the boaters of winds. The lights begin flashing when the wind reaches 15 to 18 mph at which time the boaters should seek shelter and stay until the wind subsides. We intend to add more lights on several lakes to increase their visibility to the public. Better public awareness of the lights is being planned through public service announcements and television spots. ►



Otis Chappell, New Mexico's boating law administrator, is supervisor of Boating and Law Enforcement with the State Parks and Recreation Division of the Natural Resources Department.

TVA directs scholarship program to train water and boating safety educators in valley

by Donald F. Burchfield

The Tennessee Valley Authority (TVA) is a federal agency with responsibility for resource development and the production of power in the seven states of the Tennessee River drainage system. Miles of surface acres of water for water recreation activities are provided by 36 dams. There are also hundreds of miles of white water streams for canoeing.

On the average 56 persons lose their lives each year while enjoying this mecca of water resources. This needless loss of lives is a waste of the Valley's most important resource.

Leadership Training

TVA is not an enforcement agency. It emphasizes water safety awareness and its educational programs are directed toward leadership training for persons in direct contact with users. TVA has supported the American Red Cross National Aquatic School at Land Between The Lakes giving scholarships to students who would return to TVA states—Alabama, Georgia, Kentucky, Mississippi, North Carolina, Tennessee, and Virginia—to teach swimming and small craft safety. The five-year-old program has produced more than 300 qualified water safety leaders for the Tennessee Valley.

A survey found that no motorboat operator instructor course was taught for credit at any university or teacher training institute, while many colleges were training motor vehicle driver education instructors. To fill this void, a 40-hour training course on boating and water safety was developed by TVA. Five universities in the Valley now sponsor this course, giving three hours of credit.

Scholarships Offered

Scholarships are offered to elementary and secondary teachers, recreation professionals and youth agency volunteers wishing to gain graduate, undergraduate or continuing education credit. The course is coordinated by the university with instructor support from the American Red Cross, Coast Guard Auxiliary, U.S. Power Squadrons, state marine police, water recreation resource specialists and TVA. The course uses *Better Boating*, appropriate state boating laws, and additional aquatic activities and curriculum-oriented programs.

Over 400 participants have received training and credit for this instructor course in boating and water safety. Some participants have been approved as boating education instructors by their state boating law administrator. The success of this

effort is attributed to the cooperation among boating law administrators, federal agencies, and institutions of higher learning in preparing leaders to teach boating and water safety.

Syllabus and Brochure Available

TVA's water safety specialists will not be satisfied until water recreation deaths are eliminated and the knowledge and skill level of Tennessee Valley citizens is significantly improved. Programs and demonstrations to increase water recreation safety awareness are continually being developed and tested.

The syllabus on boating and water safety used in the college credit course and a brochure, *Play It Safe*, on water recreation dangers are available from: TVA Water Safety Coordinator, 362 Multipurpose Building, Muscle Shoals, AL 35660, (205) 386-2945, FTS 872-8944. ►

Donald F. Burchfield is coordinator of TVA's water recreation safety program.

Arkansas BLA gives Corps rangers instructor training

Arkansas' boating law administrator recently trained 33 U.S. Army Corps of Engineers rangers to become boating education instructors. Requested by the Little Rock district office of the Corps to put some of their local boating personnel through an instructor training course, W. F. (Bill) Hailey held a two-day eight-hour training session in late March.

The rangers, who work on Corps reservoirs around the state, received the same training that volunteer boating safety instructors are given by the Game and Fish Commission.

"They're professionals, they work in boats and know boating. I was there to give them the information they needed to be instructors," said Hailey.

When the rangers begin to hold classes for the public they work with, they will use the state's boating safety education materials and supplies.

"This gives the Corps the opportunity to complement the commission's educational efforts in the state," Hailey said. ►

Auxiliary courtesy marine exams available around the country

To supplement the educational efforts of the Coast Guard Auxiliary, some of the volunteers in the organization have been trained and are available to give marine examinations to recreational boats.

The Auxiliary's courtesy examiner will check the boat to see that it has all the required safety equipment on board—the right type fire extinguishers, the correct number of personal floatation devices, visual distress signals, adequate sound producing devices—and that it is equipped with proper navigation lights and can comply with ventilation standards. The boat is also checked to see that it meets all state

safety requirements.

To pass the courtesy marine examination, the boat must have a safe fuel system, an adequate anchor and anchor line, a manual bailing device, be structurally sound and free from fire hazards.

If the boat is properly equipped and seaworthy, the owner receives a "seal of safety," the Auxiliary's courtesy marine examination decal.

The Auxiliary will check boats in the water and small boats on trailers. To locate a courtesy examiner, boaters can contact the local Coast Guard or Auxiliary unit or call 800-336-BOAT. ►



Officer Bill Bradley (l.), of the Kentucky Water Patrol, guides a student through external heart massage, one of the life saving techniques used in cardiopulmonary resuscitation, during a recent CPR training session.

Marina workers in Kentucky get CPR training

Officers from the Kentucky Water Patrol recently taught classes in cardiopulmonary resuscitation to marina employees from around the state.

The classes began early in the spring after Col. Joe Kelly, director of the Water Patrol, had been approached by Tony Sloan, of the Kentucky Marina Operators Association, and was asked if an officer would teach a CPR class. Sloan had been trying to get a group of marina employees together to get some CPR training.

The Water Patrol attempts to do as much of its own in-house training as possible and many of the officers have become certified instructors in one field or another. Four officers are certified CPR and first aid instructors.

Since the marinas had a need for CPR training and the Water Patrol had the instructors, the classes were soon arranged. "This was another form of education, another service we could provide," said Kelly. "We were tickled the marinas would be interested in doing this."

Interest at the marinas peaked because of an incident during the summer that led to a recent lawsuit. A man had fallen in the water at one of the marinas and had been under water 30 minutes before he could be pulled out. No one at the marina knew CPR. The rescue squad arrived moments after the man was recovered from the water and revived him, but the man lived only a few days.

***This was another
form of education,
another service
we could provide.***

"A lawyer told me the marinas would be prudent to have their people CPR trained," Sloan said. The marina operators also thought it a good idea to get the training just to be able to handle any sicknesses or accidents that might occur on the premises.

"We want to have a handle on any situation," said Sloan.

Dock hands, restaurant workers, people who pump gas, all marina employees who were interested took the two day courses. Six classes were taught at sites around Lake Cumberland, Kentucky's largest lake. Officers Roger Pike, W.O. Bradley and Otto Steele trained over 50 people from 10 marinas on the lake.

"We appreciated Col. Kelly's cooperation," said Sloan. "He bent over backwards to get this started."

Actually the project quickly "got bigger than we thought we'd be able to handle," said Kelly.

Next year the offer to hold CPR classes will be extended to marinas in other areas of the state and classes will start earlier in the season, probably in February.

The four Water Patrol officers have also taught five classes in CPR this year to personnel in the Natural Resources and Environmental Protection Cabinet. ►

Busy boating season starts soon



Springtime is the time to outfit patrol boats and for law enforcement personnel to attend refresher training courses. With fuel prices down this year, areas experiencing good summer weather can anticipate a busy boating season. Too many people, too many boats trying to use a

small area make for congested waters as in this scene photographed on a busy day on the Patoka Reservoir in Indiana. Photo by Tom Jahn, conservation officer, Indiana Department of Natural Resources.