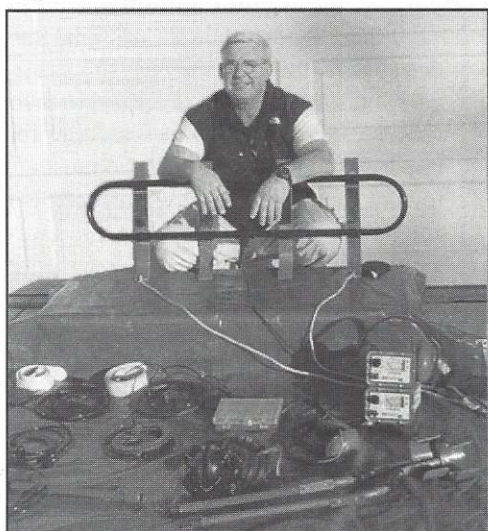


ISSUE 18-1

SEARCH FOR MURDER WEAPON

Murder weapons (from page 1) the owner of the company, Tom Tessier, had an established reputation for successful recoveries.

Detectives had a vague idea where the weapons were and described conditions at the site as, "a tidal river with a foot and half of water at low tide and two feet of silt". Mr. Tessier determined that the best piece of equipment for the job was the Pulse 8X metal detector with a large boat-deployed coil. A grid pattern was established and the search begun. The coil, which is 8 inches wide by 48 long and mounted on four small skis, was carried 100 feet out into the river and then pulled back to shore. With each pass, the coil covered more than a 4 foot detection swath. In less than two hours a handgun was located. Everyone was pleased at how smoothly the operation had run and how quickly the weapon was located. However, ballistics testing of the gun proved it was not the weapon



TOM WITH HIS 8X DETECTORS AND INTERCHANGEABLE COILS

used in this homicide. The team returned to the river more determined than ever to locate the weapons. Expanding the search area and using the same techniques that had proved successful in the first operation, it wasn't long before the detector gave two strong signals. Groping in the soft mud where the readings were strongest, sheriff's department deputies recovered a handgun and a knife. Tests on these weapons confirmed they were the ones used in the murder of the woman. The suspects are now awaiting trial. Investigators are continuing to conduct tests on the first handgun that was recovered.

For information on Aqua Tech Search and Recovery go to www.aqua-tech.us. **JWF**

INTERNATIONAL NEWS

.....Abu Dhabi National Oil Co in United Arab Emirates has purchased two of Fishers SSS-100K/600K dual frequency side scan sonars and a SeaOtter ROV. The equipment will be used in their oil exploration operations says spokesman Mohammed Hammour.

.....Ocean Data Systems in Auckland, New Zealand is using Fishers Proton 4 magnetometer for a search operation in Cambodia's Mekong River.

.....FEM Associates in Nigeria have purchased a SSS-100K/600K side scan sonar with laptop computer and SONAR VIEW software. The system will be used in survey operations for the oil and gas industry. This is the second Fisher side scan system bought by the company.

.....Singapore Salvage Engineers is using Fishers SeaLion ROV with SCAN-650 scanning sonar and single function manipulator for their salvage operations.

.....Al Bwardy Marine Engineering in United Arab Emirates is using Fishers SSS-100K/600K side scan sonar with a 500 foot cable and DDW-1 deep dive wing to allow towing at greater depths.

.....Commercial diving company Cotesub R.L. in Venezuela is using Fishers MC-1 mini camera for their underwater inspection operations reports owner Boris Pinero.

.....Yantai Shunda Ocean Engineering Service Co. in China's Shandong Province has purchased Fishers Proton 4 magnetometer for their search and salvage operations says Yang Bao lin.

.....Submariner Tauchausrustungs in Munchen, Germany using Fishers MC-1 mini camera system with a PAL video camera and a powerful 100 watt external light for their u/w inspections.

.....Procal Technology Co. in Taiwan has purchased two of Fishers SFP-1 single frequency pingers. The pingers are used for relocating underwater instrument packages.

.....New Zealand Diving and Salvage is using Fishers CT-1 cable tracking system to locate and track power and communications cables says operations manager Matt Fabish. **JWF**

ROV HELPS CLEAN HARBORS



CLEAN HARBOR'S SCOTT METZGER AND SEAOTTER PERFORM A DEMO

Environmental services company Clean Harbors has grown to become the leading environmental services provider in North America. As the company's business expanded they realized an underwater camera would be a useful tool for their emergency response and maintenance operations. Director of Marine operations Scott Metzger was tasked with determining which of the many underwater camera systems on the market would fit their varied applications. After extensive research Mr. Metzger selected Fishers SeaOtter ROV as the best tool to fit their needs and budget. After purchasing the system he visited the factory for some basic training in ROV operation. With a couple hours of instruction and pool time, he was ready to fly solo.

Before performing their first open water operation, Clean Harbors decided to take the SeaOtter to Massachusetts Maritime Academy and demonstrate the ROV's capabilities. The exercise was designed to highlight the new services the company was offering targeted at port security. While two of the academy's students piloted the ROV around the large pool, Metzger explained the advantages of using an ROV to the media, drawing attention to the safety aspect of sending a robot, rather than a diver, into potentially dangerous situations.

As a result, the company lined up several high profile projects. One involved performing hull inspections on the battleship Massachusetts and on the Mayflower, a replica of the ship that brought the pilgrims to America. Both are major tourist attractions and the company will show law enforcement officials how ROVs can provide an added level of security for high risk targets. Other projects involve inspecting a nuclear power plant and another power station in Boston. The ROV will swim into intake and discharge pipes, and check screens that keep debris from entering the plants; a very dangerous job for divers. **JWF**

GOVERNMENT AGENCIES & MILITARY UNITS PERFORM UNDERWATER SEARCHES

.....US State Department has purchased Fishers SeaLion ROV. The remote controlled underwater camera was sent to a Caribbean island where it will assist the Coast Guard in inspecting vessels bound for US waters.

.....Kentucky Air National Guard Special Tactics Squadron is using Fishers Pulse 8X metal detector. The squad has 3 Pararescue units capable of a variety of operations from sky diving to scuba diving.

.....NOAA's Great Lakes Environmental Research Lab has purchased a Pulse 8X. The detector will assist in retrieving various instrument packages that monitor the lake's ecological condition.

.....US Navy's Intermediate Maintenance Facility in Silverdale, WA is using Fishers SeaLion ROV. The facility provides maintenance on a variety of vessels from aircraft carriers to submarines. The ROV will be used to inspect underwater structures and also aid in base security.

.....US Navy's Facilities Engineering Center in Port Hueneme, CA purchased Fishers Pulse 8X metal detector with optional 16 inch coil. "The detector helped us find a pipeline we were having difficulty locating", said Navy diver Jason Tanaka. The detector was then loaned to the Navy's Underwater Construction Team 2 for a job. They were so impressed with it, they purchased one for their team.



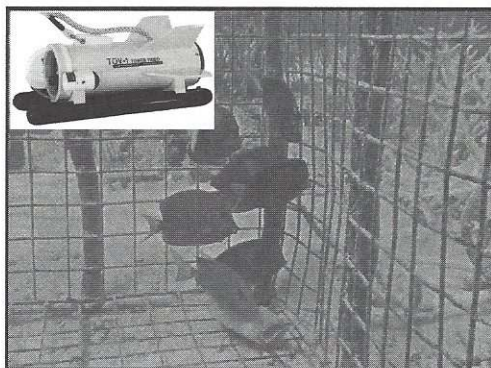
US NAVY'S FACILITIES ENGINEERING SERVICE CENTER IN CA

.....US Navy's Seal Delivery Vehicle Team One in Pearl Harbor, HI is using Fishers PR-1 pinger receiver for their underwater ops.

.....China's state-owned Guangdong Construction Engineering Group is using Fishers SSS-100K side scan sonar system. The sonar is being used to map the bottom of various waterways before and after construction projects. It is the largest corporation in the province with 39,000 employees.

.....National Park Service at San Juan Historic Site in Puerto Rico has purchased Fishers Pulse 6X metal detector. **JWF**

NATIONAL PARK CONDUCTS UNDERWATER RESEARCH



FISH TRAPPED IN CAGE, INSET: TOV-1 TOWED CAMERA

The Virgin Islands National Park in St. John is using JW Fishers Proton 4 magnetometer and TOV-1 towed camera to assist with their marine research. In 1962 Congress expanded the boundaries of the park to include more than five thousand acres of underwater terrain. The park service is very concerned about the environmental impact of overfishing, encroachment of exotic marine plants, and sediment runoff. A field station was established, headquartered at the Biosphere Reserve Center in the national park on St. John, to investigate changes in the marine ecosystem and to determine their cause. The research is a cooperative effort between the Biological Resources, National Parks Service, Jacksonville University, and the Oceanic Institute in Hawaii.

One focus of the research is determining the impact of trap fishing on reef fisheries in VI National Park and Buck Island Reef National Monument. The National Marine Fisheries Service has identified traps as one of the five types of fishing gear with the highest potential for impacting essential fish habitat. One problem is the environmental damage caused by traps being routinely dropped on, and removed from, the reefs. Another problem is the devastating effect on fish populations when traps are abandoned or lost. Fisheries regulations require that traps have a surface marker buoy, but lines can be accidentally severed by boat propellers, break in storms, or get cut by competing fishermen. These unattended traps keep capturing and killing fish. There is also the problem of illegal traps that are set with no marker buoy.

Researchers will use the Proton 4, a super sensitive metal detector, to find the traps, which are constructed of steel pipes and wire mesh. Abandoned and illegal traps can be quickly located and removed. Using the towed camera researchers (contd.Pg 4)

COMMERCIAL NEWS

.....Deep Ocean Engineering, manufacturer of work class ROVs, has purchased Fishers RMD-1 remote metal detector. The RMD-1 is specially designed for attachment to ROVs because it is not be affected by the electrical noise they generate.

.....Three Rivers Diving, a Missouri based commercial diving company recently purchased Fishers Pulse 8X underwater metal detector. The company currently owns Fishers SSS-600K side scan sonar and SCAN 650 scanning sonar systems.

.....Tri-Surv Pty Ltd in Midland, Western Australia is using Fishers TOV-1 towed video system with a 1,000 foot cable and the DDW-1 deep dive wing for their deep water survey operations. "My crew have run over 300km of survey with the camera", says operations manager Jason French.

.....Commercial divers working with Carl Bolander & Sons heavy construction company in St. Paul, Minnesota are using Fishers Pulse 8X detectors to locate debris from the collapsed I-35W bridge. Transportation officials want to recover all the bridge parts to help determine the cause of the accident.

.....Clifford Diving in Muscle Shoals, AL is using Fishers SSS-100K/600K with laptop computer and SONAR VIEW software. Says operator Rusty Blappert, "One of the first jobs we had for the side scan sonar was to survey some bridge supports. I had never used side scan before and was really pleased at how easy the system is to operate. We were up and running in no time, and getting nice pictures of the underwater structure."

.....Durocher Marine in Cheboygan, MI has purchased Fishers CT-1 cable tracking system, PR-1 pinger receiver and a quantity of SFP-1 single frequency pingers. The equipment is being used for a project the company is working on at the Norwalk Harbor Generating Station in Connecticut.

.....Buhl Diving in Alameda, CA is using two of Fishers Pulse 8X detectors for their search operations. Says owner Ted Buhl, "these metal detectors are doing a great job for us!"

.....Mamba Underwater Services in Nigeria is using Fishers MC-1 mini camera. Says owner Mike Baaba, "We are in constant need of the camera and use it on all of our surveys. Clients appreciate the great picture quality."

.....Curacao Industrial Diving Company in Netherlands Antilles is using the MC-1 mini camera for their underwater inspection jobs.

.....Fugro Survey Mexico has purchased Fishers Pulse 8X metal detector to locate and track pipelines says Lekvan der Klugt. **JWF**

WRECKS & TREASURE (contd from pg 1)

feet in length! In addition to the chains, eleven ornate gold pieces, seven gold links, three uniquely intricate gold pieces, a gold bar, and hundreds of other historic artifacts. One of the most intriguing finds is a closed lead box that has a half inch separation in its bottom seal revealing pearls inside. Archaeologists are in a state of high anticipation over the opening of the box, which is in Mel Fisher's conservation lab in Key West, FL.

The recovery by Blue Water is being called the greatest find on the Margarita since Mel Fisher originally located the wreck. The value of the treasure is expected to easily exceed \$1,000,000. **JWF**



GOLD AND SILVER BARS AT MEL FISHERS MUSEUM IN KEY WEST

NATIONAL PARK (contd from pg 3)

can view the reef structure and see the condition of the marine habitat and it's residents. Large stretches of ocean bottom can be surveyed in a very short time, much faster than having divers swim the entire area. The towed camera will also allow scientists to continually monitor other environmental forces affecting the reef, such as sediment runoff and the impact of non-native species.

In addition to assisting in the marine research, the equipment will help officials locate and identify submerged historical sites. St. John has a rich history dating back more than a thousand years. Europeans, seeking new territories sailed to the island in the 17th century. Storms and the reefs sent many of these early mariners to a watery grave. The remains of their ships and cargos are scattered across the ocean floor. The towed camera and magnetometer will be a great help in the investigation of these submerged cultural resources. For more information on Virgin Islands National Parks go to www.nps.gov.viis. **JWF**

..... FROM THE TREASURE CHEST



FLORIDA KEYS TREASURE HUNTER ANDREA FELSO WITH HER PULSE 8X

.....Florida Keys resident Andrea Felso is having lots of fun with her Pulse 8X. She writes, "I haven't found any treasure yet, but I love hunting the beaches. I can work on my tan and pick up a few "trinkets" at the same time. I'm having a blast with my 8X!"

.....Greg Lawrence from Ontario, Canada writes about Pulse 8X, "I finally got the detector I wanted. That thing rocks! Yesterday I dug up a musket ball at least 18 inches under a rock, and today I found not one, but two gold coins!"

.....Peter Fallon of Vero Beach, FL reports he's been using Fishers detectors for years working wreck sites from the famous 1715 Fleet. "I swear by your detectors. It's wonderful to deal with a company that's so proud of its products and service!"

.....Brain Luke of Victoria, Australia reports, "My Pulse 8X is working great! I've found plenty of the usual stuff: coins, lead weights, dive knives, etc. I'm addicted to diving with the detector and go whenever I can. I've done some research into local ship wrecks and am confident of success there using the boat-deployed 18 coil with 100 foot cable. I'm very lucky here; there are very few people who dive with a detector. Never in a lifetime could I cover all the places I have to search."

.....New TV show TREASURE DIVERS will feature Capt. Gary Mace and Carl Fismar, both longtime users of Fishers Pulse 8X detectors, working shipwreck sites in the Florida Keys and Bahamas. The show will be broadcast on Dish Network's Treasure HD channel, see www.treasuredivershd.com.

.....A new book, Treasure Diving with Captain Dom, details the story of Captain Dominic Addario's identification and recovery of the remains of the San Miguel, one of ships in the 1715 Spanish fleet that wrecked in a hurricane off Jupiter, FL. The 56 glossy page soft cover book, written by Yvonne Addario, has lots of photos, and is a fascinating read for anyone interested in the search for sunken treasure. Capt. Dom was one of the pioneers in the field of shipwreck exploration along with Mel Fisher, Kip Wagner, Art McKee, and others. The captain is also a longtime user of Fishers equipment.

.....Richard Purmalis from Valmiera, Latvia writes, "I am working World War II sites looking mostly for military medallions. I have found the most German medals using the Pulse 8X. Although I have several other detectors, including one from Australia, the 8X is the best!"

.....Longtime treasure hunter Bobby Hall has worked many famous Florida shipwreck sites with his Pulse 8X detector. On a recent vacation to New England he took time out to visit Fishers factory; "I love my 8X, it's found a lot of artifacts."

.....Seatek Recovery has located a late 18th century shipwreck in Massachusetts' waters using their Fisher Pulse 10 boat-towed metal detector reports owner Gary Esper. "We have found a 40 foot by 28 foot section of hull with copper sheathing and brass fittings buried under 2 1/2 feet of sand." **JWF**



SEATEK RECOVERY'S GARY ESPER(L) WITH PULSE 10 METAL DETECTOR

LAW ENFORCEMENT AND DIVE RESCUE NEWS

.....Natrona County Emergency Management Agency in Casper, WY has purchased Fishers SeaLion ROV with SCAN 650 scanning sonar and a manipulator arm. This remote controlled underwater camera system will help law enforcement agencies and public safety dive teams search for drowning victims, locate sunken vessels and vehicles, and recover evidence that criminals dispose of in lakes and rivers.

.....Indian River County Fire Rescue is using Fishers Pulse 8X detector for their underwater search operations reports Lt. Dangerfield. "We've found numerous weapons and solved several murders with evidence recovered using the 8X."

.....US Border Patrol in Edinburg, TX has purchased a Pulse 8X detector. This is the third 8X detector purchased by Border Patrol units.

.....Harford County Sheriff Scuba Team in Belair, MD is using Fishers DV-1 drop video system for its underwater search operations reports Sgt. Mike Crabbs.

.....South Carolina's North Charleston Police Dept. is using the Pulse 8X for their evidence recovery operations says Det. Joe Myers. "I wish we had two more of these detectors."

.....Pittsburgh Pennsylvania Emergency Management Services is using Fishers DV-1 drop video for their underwater search operations reports Jim Holman.

.....Mississippi's McComb Fire Dept. has purchased the Pulse 8X detector with 18 inch boat-deployed coil for their search operations. "We liked the flexibility of the 8X", said dive team member Vern Felder. "We can use it on land, diving, or from the boat."

.....Harris County Sheriff's Dept. Dive Team in Houston, TX has purchased a 16 inch coil for their Pulse 8X detector. The bigger coil covers a larger search area and detects weapons at greater distances than the standard 7.5 inch coil.

.....DeKalb County Rescue Squad in Smithville, TN is using the TOV-1 towed video for their u/w search operations says team leader UL. Lefever, "we're very happy with our camera."



**SHERIFFS DEPT DIVER DEL DAHLEN
WITH HIS PULSE 8X DETECTOR**

.....Sheriffs Dept. diver Del Dahlen in Coos Bay, Oregon says he's been using his Fisher Pulse 8X metal detector for evidence recovery operations "for a very long time, it's great machine!"

.....Stanislaus County Sheriffs Department in Modesto, CA has purchased Fishers SCAN 650 scanning sonar and a Pulse 8X metal detector. The sonar will aid in the location of drowning victims, sunken vessels, and submerged vehicles. Deputy Paul Yotsuya reports on a recent operation, "The sonar worked flawlessly allowing us to pick out several targets of interest, one of which was the object we were after."

.....Michigan's Allegan County Sheriffs Dept. has purchased Fishers SSS-100K/600K dual frequency side scan sonar with Splashproof PC. Three members of the department attended a factory training session. All were impressed with the clarity of images and ease of use.



**SGTS. WAGNER & HUNT WITH DEPUTY RUSSELL
OF ALLEGAN COUNTY SHERIFFS DEPARTMENT**

.....FBI Crisis Response Squad has purchased an 8 x 48 oval coil with 100 cable which can be attached to any of their Pulse 8X detectors. The coil can be towed by a boat in shallow water, pulled by hand on land, or mounted to the front of an ATV. The coil has a very wide detection envelope, and detects both large and small objects exceptionally well.

.....Cree Nation of Eastmain's Public Safety Agency in Quebec, Canada is using Fishers SCAN 650 scanning sonar system. The native group is located in a remote area in the western part of the province. The sonar is assisting in a variety of tasks from locating sunken vehicles to finding drowning victims says Chief Jonathan Cheezo.

.....Ventura County Sheriffs Dept. in CA is using the Pulse 8X detector with optional 16 inch coil for their search and recovery operations. The larger coil allows areas to be searched more quickly and also detects targets like handguns and other weapons at greater depths.

.....Santa Clara County Office of Emergency Services in California has purchased multiple Pulse 8X detectors for their underwater search operations.

.....Fire and EMS Division of Ocean City Emergency Services in Maryland have purchased a Pulse 8X detector with the optional 8 x 48 inch oval coil mounted on 4 small skis.

.....Lewisville Fire Dept. in Texas is using Fishers SSS-600K side scan sonar with laptop computer and SONAR VIEW software for their search and recovery operations.

.....Thomasville Police in Georgia are using multiple Fisher Pulse 8X detectors for their underwater search operations. "They've found numerous weapons" says crime scene investigator Lisa Maxwell, "These Pulse 8Xs get the job done."

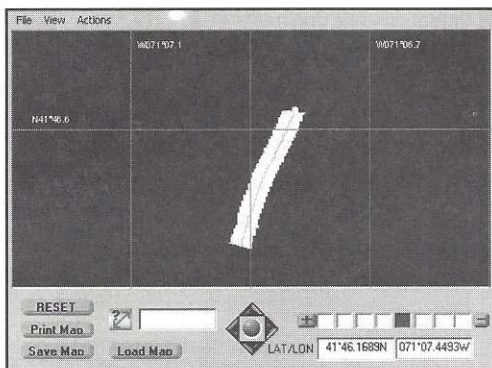
.....Taylor County Sheriffs Dept. in Grafton, WV is using the Pulse 8X detector for their u/w search ops.

.....Miami-Dade Police Underwater Recovery Unit has purchased Fishers SSS-100/600K dual frequency side scan sonar with Splashproof PC for to search for drowning victims and sunken vessels. **JWF**

COMPANY NEWS — NEW PRODUCTS AVAILABLE —

NEW MAPPING COVERAGE SOFTWARE FOR SIDE SCANS

JW Fishers is offering a mapping software package for their side scan sonar systems. The new software is ideal for both large and small search areas. A grid with GPS lat and long coordinates as the



SCREEN SHOT OF MAPPING SOFTWARE

x and y axis is laid out on the computer screen. As the boat travels over the search area, it's track is displayed along with the side scan swath. The size of the swath is determined by the range setting the operator selects. If the operator selects the 100 meter range, a swath 200 meters wide is shown. This allows the boat to make parallel passes that provide complete coverage of the search area to ensure that no area is missed.

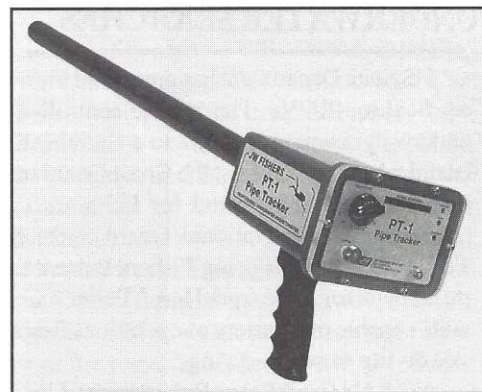
The software is an add-on option to Fishers SONAR VIEW software, which is the operating software for their side scans sonars. The Map Coverage Software can be added at any time. *JWF*

SPLASH-PROOF COMPUTER FOR SIDE SCAN SONARS

Fishers have developed a splash-proof computer with ultrabright display for their side scan sonars. The new PC is ideal for small boat operation where mist, spray, or rain are likely to get on the computer. The ultrabright 10.4 inch screen makes side scan images easy to see, even on a sunny day. The PC is built into a rugged waterproof case making it extremely durable and shock resistant. When the case is open for operation, the control panel and display are sealed to protect them from moisture and all external cable connectors are o-ring sealed to prevent water intrusion. The computer has all the capability of a full size desktop including a 600MHz processor, 60GB hard drive, and 512MB of RAM. A waterproof keyboard and mouse are included. *JWF*



FISHERS SPLASHPROOF COMPUTER



NEW PT-1 PIPE TRACKER

JW Fishers has added the PT-1 pipe tracker to its extensive line of metal detectors and cable trackers. The PT-1 was specifically designed to locate and track iron or steel pipelines. This device is a very sensitive pinpointing magnetometer designed to be carried by a diver, but works equally well on land.

The PT-1 has a 3 foot long shaft with an electronics box mounted on one end. In the tip of the shaft is a sensor that measures changes in the magnetic field. Any iron or steel object creates a distortion in the earth's magnetic field, and the pipe tracker detects these changes. The larger object, the greater the field change. The PT-1 displays these changes with both an audio alarm and a visual indicator.

The PT-1 not only tracks pipelines, it will also locate anchors, chains, dredge heads, weapons, and almost any other ferrous metal object. The system is powered by an internal rechargeable battery. Underwater earphone, AC and DC battery chargers are included.

The complete system is covered by Fishers exclusive 2 year warranty. *JWF*

If you have a story you would like to share, send us a photo and write-up, or call Chris or Jack at (800) 822-4744 or (508) 822-7330. Send faxes to (508) 880-8949, email: jwfishers@aol.com or visit the website at www.jwfishers.com.

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