

SEARCH TEAM NEWS

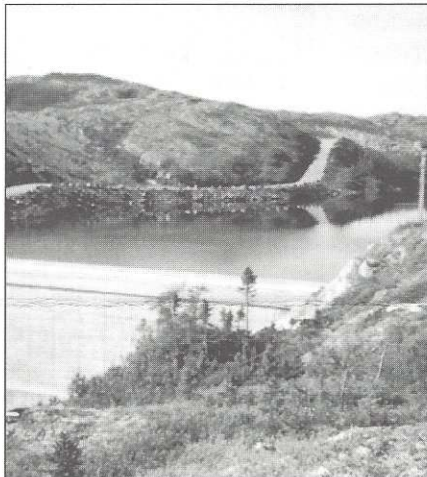
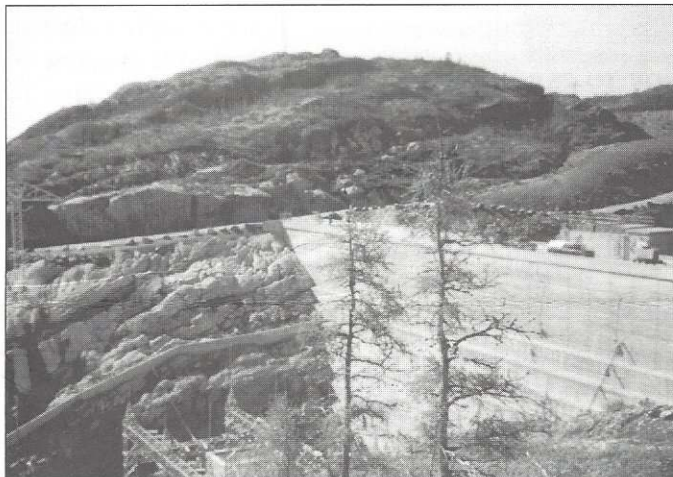
JW FISHERS MANUFACTURING INC

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UNDERWATER SEARCH

ISSUE 11-1

SEAOTTER ROV SUCCESSFULLY PERFORMS DAM INSPECTION AT REMOTE SITE IN NORTHERN CANADA

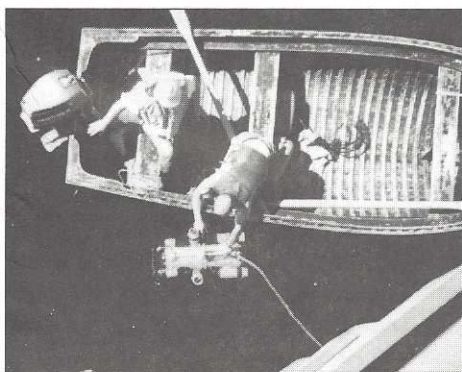


CENTRALE SHIPSHAW DAM ON THE RIVER LA TABATIERE IN NORTHERN QUEBEC

A Canadian firm, Ocean Scan Systems, is using their SeaOtter ROV to perform hydro dam inspection operations in remote parts of northern Canada. Recently the company completed an inspection at the Centrale Shipshaw Dam in northern Quebec. The dam lies on the River La Tabatiere, north of Anticosti Island, above the northern most shores of the St. Lawrence River. A geophysics company, GPR International, was the contracting firm for the geophysical inspection work with Ocean Scan performing the visual inspections. Because of the remote location, it was necessary to charter a small twin engine plane to fly in the men and equipment. Upon reaching the site Ocean Scan's owner/operator Ed Burtt was advised the dam had not been inspected since its original construction. His job would involve making a complete video inspection of the intake chambers and also the trash rack areas. Trash racks prevent debris from being sucked into the hydro plant's turbines. The SeaOtter was deployed from a small boat at the face of the dam and submerged to a depth of over 290 feet. The ROV managed to overcome dangerous currents swirling around the intakes and successfully complete the inspection without incident. The majority of the chambers were found to be clean. However, it was discovered that several of the chambers

were clogged with logs, drums, and other materials. Video tapes of the inspection along with written reports were provided to the unit's managers. All parties involved were impressed with the performance of the ROV and the efficiency and professional manner of Ocean Scan Systems.

In addition to the SeaOtter ROV, Ocean Scan has a side scan sonar, magnetometer, underwater cameras, and underwater metal detectors. The company can perform almost any type of underwater search or inspection operation. For more info contact Ed at (613) 968-3231, email edburtt@kos.net or visit their website www.oceanscan.com.



ROV IS LAUNCHED AT DAM FACE TO PERFORM INSPECTION AT 290 FEET

INSIDE...

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TEXAS COUPLE BUILD UNIQUE SCUBA PARK, OFFER SIDE SCAN SONAR AND MAGNETOMETER TRAINING

Husband and wife team, Calvin and Shannon Wilcher, had a dream of building a scuba facility where divers could come and get the training they needed and enjoy their sport in a clean, comfortable, safe environment. That dream has now been realized with the opening of Athens Scuba Park. Only a few hours east of the Dallas/Ft. Worth area, the park covers 50 acres in the beautiful Texas countryside. The couple has turned their passion for diving and love of teaching into a top notch dive training center. At the heart of the park is an 8 acre man-made lake which boasts some of the clearest water in the state. (continued on page 2)



CALVIN (2nd from right) AND HIS TRAINING TEAM WITH SIDE SCAN & MAG

COMMERCIAL NEWS

.....Global Marine Systems in Ft. Lauderdale, FL routinely use their Fisher Pulse 8X underwater metal detector to locate cables reports spokesman Ron Mosey. "We install the shore ends of underwater telephone cables. It's necessary to check the area for any other cables that may be present before we can do our installation. The 8X works great for this."

.....Coastal Systems Int'l in Coral Gables, FL working with environmental consultants Dial Cordy & Associates are using Fishers TOV-1 towed underwater camera system to perform surveys of sea grass beds and reef structures in Biscayne Bay. "The TOV lets us cover an area much quicker than we can using divers," says CSI's Dave Olin. "The towed camera has proved to be a very useful tool in conducting these environmental assessment surveys" adds DCA's marine biologist Jason Croop.

.....Underwater Solutions Inc., a commercial diving and marine services company in Mattapoisett, MA, have purchased Fishers DHC-1 diver-held camera system for underwater inspection operations. "The DHC-1 was very reasonably priced compared to other systems I looked at", says owner Bill Cornish. "The underwater camera is producing beautiful pictures for us and we can now show our clients exactly what the diver sees."

.....Marine Salvage & Services in Port Isabel, TX is using Fishers mag "to locate pipelines, cables, dredge parts, and a variety of other lost objects", says owner Billy Kenon.

TEXAS COUPLE (Cont. from page 1)

Originally a quarry that was mined for it's clay, the spring fed lake has a low pH level that keeps algae from growing and gives visibility that ranges from 35 to 70 feet. To the delight of divers, a number of underwater attractions have been added including a Greyhound bus, a triple deck houseboat, airplanes, boats, motorcycles, and a VW bug. With a lake depth of 24 to 35 feet, the park is designed for maximum safety and enjoyment of divers with no boats, jet skis, or fishermen. Seven carpeted underwater platforms provide an ideal launch area for diver training. Above water, the park offers a full service dive shop, campground, volleyball courts, and a variety of other facilities to provide a complete recreational experience for the whole family.

A new program has been added, side scan sonar and magnetometer operations training with the purchase of Fishers dual frequency side scan and Proton 4 magnetometer. The course has already captured the attention of a number of law enforcement and public safety groups. For more information contact Athens Scuba Park (903) 675-5762 or their website at www.athensscuba.com. JWF

CANADIAN ELECTRIC COMPANY USES ROV FOR U/W INSPECTIONS



PREPARING THE SEALION ROV TO PERFORM INSPECTION AT THE BECK PLANT

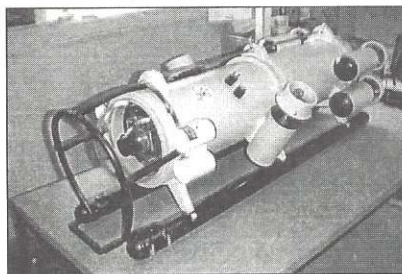
Ontario Power in Toronto is using Fishers SeaLion ROV for inspection operations in several of their hydro plants, reports spokesman Michael Ostroski. "In our Smoky Falls Plant in Northern Ontario the SeaLion inspected tailrace concrete piers, went up the draft tube to the underside of the runners, inspected the headworks concrete, and checked for erosion under the sluiceway aprons. At our Sir Adam Beck Plant we inspected the headworks concrete piers, the headgate, and it's gains on one of the units."

"The ROV is paying for itself very quickly as it offers an alternative to using divers. When divers are used, the units on either side of the one being inspected must be shut down. This is not the case with SeaLion as long as care is taken not to go beyond the ends of the piers. Also, in most cases we can put it in on the downstream side of the trash racks and it's perfectly safe."

"We made some minor modifications in the form of a PVC bumper on the front of the ROV to help protect it when working around the concrete piers. It works well and doesn't interfere with the camera sight."

Michael went on to say, "The Civil Group wants us to do another job for them. They want us to map the river around a sandbar that has formed downstream from one of our plants. They will have to helicopter us in with one of our old Sikorskys. It will easily carry us and the SeaLion. This should be a fun and interesting project."

"We will be cross training one or two more techs to operate the ROV when the regular flyer is on another job. We are very happy with performance of the SeaLion and the service we have received from J.W. Fishers." JWF



A BUMPER IS ADDED TO THE ROV

INTERNATIONAL NEWS

.....Trime C.A. in Caracas, Venezuela has purchased Fishers SeaLion ROV and DHL-1 underwater light system for a dam inspection project. "The dam is 305 meters long with a water depth of 50 meters", says spokesman Betrum Bruhl. "The SeaLion allows us to inspect the dam face without the use of divers. We can inspect as often as needed without worrying about the time limitations of divers at the deeper depths." A Fishers DHL-1 with 500 watt lights was also supplied to attach to an underwater dropped camera.

.....The Egyptian Navy has purchased two of Fishers SSS-100K side scan sonars with optional computer systems to be installed on new vessels under construction in China.

.....Argentine Navy Salvage Service is using Fishers SeaOtter ROV system in their search and salvage operations.

.....Carbonarc s.a.s. in Como, Italy has purchased Fishers DV-1 underwater camera system with a 500 foot cable. The camera will be used for deep water search operations.



TUNISIA UNDERSEA WORKS PERSONNEL PREPARE TO DEPLOY THE MAG

.....Tunisia Undersea Works Co. in Sfax has purchased Fishers SeaLion ROV, Proton magnetometer, SSS-100K side scan sonar, and DHC-1 diver-held camera system for their underwater inspection and search operations. The company specializes in port construction projects throughout the Mideast.

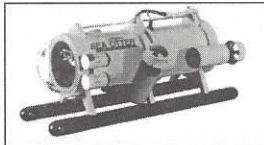
.....Australian Underwater Services in Queensland has purchased two Fishers Pulse 8X detectors to locate and track underwater pipelines and cables.

.....Egypt's Helwan Diesel Engines is using Fishers Pulse 12 boat-towed metal detector and two hand-held Pulse 8X metal detectors for their search and salvage operations.

.....Calgary Fire Training Center in Alberta, Canada is using Fishers TOV-1 towed video with 500 foot depth capability for their search and rescue operations reports Jeff Primrose.

.....Oceanic Offshore Pty Ltd. in Karratha, Australia is successfully using the Pulse 12 boat-towed metal detector for their search operations says spokesman Robin Vandenberg.

TRAVEL IN STYLE ABOARD A LUXURY YACHT



THE 158' KATRION AND HER SEAOTTER ARE AVAILABLE FOR CHARTER

The Katrion is a first class luxury motor yacht. All 158 feet of her glistening white hull and superstructure reek of style and grace. She provides the ultimate in seaworthiness and privacy. Her professional crew will take you from water sports to formal gourmet meals with the greatest of ease. Five staterooms can accommodate you and 9 of your closest friends in a luxurious environment while cruising the far reaches of the globe.

Some of the amenities on this magnificent yacht are a Novurania 19' jet drive boat, a 15' Zar with 90 hp outboard, a 9' Zodiac with 15 hp, two Yamaha Waveblasters, two kayaks, a windsurfer, 4 person sea cycle, two eclipse sailboats, a 30' trampoline, dive gear, water skis, wakeboards, beach toys, golf clubs, bicycles and a Fisher SeaOtter ROV.

You too can live like the well to do. Want to tour the underwater world? Don't struggle with all that dive gear. Simply put your SeaOtter over the side and fly it around the reef viewing Neptune's wonders while lounging on the deck sipping your favorite cocktail or basking in the hot tub.

For more information on charters contact Joe Gallegos at (206) 972-7110.

ROV SEARCHES FOR KING CRABS

Concordia Seafood Company based in Ontario, Canada purchased Fishers SeaLion ROV system with 1000 foot depth capability to assist their fishing fleet in searching for king crabs. The company has 14 vessels fishing for the huge crabs in the Sea of Japan off Japan's west coast. King crabs, a culinary delicacy around the world, inhabit the waters of Alaska, Siberia, and Japan. The crabs weigh over 20 kilos, measure more than a meter across their outstretched legs, and are typically found at depths in excess of 150 meters.

"We use the SeaLion to find the areas that have the greatest concentration of crabs before putting out our traps", says spokesman Leonid Matushevskiy. "It's a time consuming and expensive operation to set out several hundred traps. By identifying the locations that will be most productive, our fishing is much more successful."

Leonid goes on to tell us, "After the crabs are brought on-board and removed from the traps, they are placed in holding pens to await their trip to market. These holding pens are very large net enclosures that are suspended from the surface and anchored to the bottom. The ROV is used to routinely inspect the nets and monitor the condition of the crabs. If a tear should develop in the net, or we start loosing crabs for any reason, we can take action. A Russian, born and raised in Siberia, Leonid recently had an opportunity to visit Fishers factory for in-depth training on the maintenance of the ROV. "Crab fishing is a difficult and dangerous business", he says. "The SeaLion has helped to make it just a little bit easier and safer. The ROV has saved us a lot of time and money. We'll be equipping more of our vessels with SeaLions in the near future." JWF



LEONID MATUSHEVSKIY AND JWF TECH SPECIALIST BRIAN AWALT WITH SEALION

GOVERNMENT AGENCIES AND UNIVERSITIES PERFORM UNDER-WATER SEARCHES

.....University of Delaware is using two of Fishers DV-1 underwater camera systems in a project being funded by the U.S. Navy. A group of scientists from the university are conducting tests of various acoustic devices in Delaware Bay. The underwater cameras will be used to assess the environmental impact on marine organisms in close proximity to the acoustic source reports a university scientist.

.....The U.S. Forestry Services Lab in Juneau, Alaska has purchased Fishers Pulse 8X detector for site survey work. "We use the 8X to locate metal survey pins we drive into stream beds", says spokesman Mike Dilger. "The detector is doing a great job for us!"

.....University of Puerto Rico Sea Grant College Program has added a Fisher DV-1 dropped video system to their program. The underwater camera will be used to conduct marine environmental assessments.

.....Warren Lasch Conservation Center in Charleston, SC working with the Naval Historic Center in Washington, DC are using Fishers Pulse 8X u/w metal detector to locate artifacts on historic shipwreck sites. The group was involved in the recovery of the civil war submarine *Hunley* outside Charleston harbor.

.....Sakhalin Research Institute of Fishery & Oceanography in Sakhalin, Russia has purchased Fishers SeaLion ROV system with optional 1000 foot depth capability. The ROV will be used for marine biological surveys reports spokesman Gennady Kantakov.

.....Provincial Dept. of Fisheries and Agriculture in St. Albans, NF, Canada has purchased Fishers SeaOtter ROV to conduct environmental impact assessment surveys of the area's many aquaculture farms.

.....U.S. Fish & Wildlife Service in Honolulu, HI has purchased Fishers Proton 4 magnetometer for their field survey operations.

.....University of Montana's Flathead Lake Biological Station is using Fishers TOV-1 with 500 foot depth rating equipped with the UA-2 altimeter to perform deep water ecological surveys in the regions deep glacial lakes.

.....ChungNam University in Korea is using Fishers Proton 3 magnetometer to search that country's coastal waters for shipwrecks. The system was recently updated at Fishers factory to provide interface with a PC.

.....Georgia Dept. of Natural Resources is using Fishers SSS-100K side scan sonar to survey several sites for the placement of artificial reefs reports spokesman Shawn Jordan.

.....U. S. Environmental Protection Agency in Edison, NJ is using a Pulse 8X detector to search sites for suspected illegal dumping of hazardous waste according spokesman Neal Norrell.

LAW ENFORCEMENT AND DIVE RESCUE NEWS

.....New Jersey State Police have purchased two of Fishers SSS-600K side scan sonars. The 600K systems are ideal for locating drowning victims. In addition to the side scans, the dive team is also using Fishers Pulse 8X metal detectors and TOV-1 towed video system for their search and recovery operations. "We love the TOV-1", reports Tpr. O'Shea, "what a great machine!"

.....Rhode Island State Police are using Fishers DV-1 underwater camera system for their search operations. "One of the first things we did with the camera was place it in the pool during our training exercises", says Sgt. Glenn Skalubinski. "We videotaped our divers going through an obstacle course. The picture was so clear it was like being right there with them. Afterwards, the divers could view their performance on the tape. This has proved to be a very useful training tool."



TRI-COUNTY RESCUE TEAM TRAIN IN USE OF SIDE SCAN SONAR

.....Tri-County Dive Rescue Team based in Buckeye, OH is a nonprofit organization with over 40 members, including 17 members stationed in Garrison, KY. They provide a variety of search and rescue services to counties in Ohio, West Virginia, and Kentucky. The team is well equipped with several vessels including a pontoon boat, a Yankee 20' air boat, a 15' inflatable, a 28 foot aluminum boat, and an 18' fiberglass boat with a 150HP outboard for rapid response. To pull these boats and carry the team's gear they have an '85 Chevy 1 ton dually, '94 Chevy Suburban, a box truck, 3 emergency squad vehicles, and an '84 Blue Bird bus which serves as a command center. The teams search tools include Fishers SSS-600K side scan sonar, a Pulse 10 boat-towed metal detector, and a Pulse 8X diver-held metal detector. Several members of the team recently completed side scan training at Fishers factory in Taunton, MA. The group can be reached at 888-DIVE-911.



PHILLY PIER COLLAPSE KILLS 3

.....On a warm spring evening in May the serenity of the Philadelphia waterfront was shattered when a pier supporting an outdoor nightclub crashed into the Delaware River. Dozens of revelers were cast into the chilly water amid a cascade of debris. Thirty one people were injured and three young women lost their lives. The gruesome task of searching for the bodies fell to the Philadelphia Police Marine Unit. The unit commander was reluctant to deploy his divers into the low visibility environment littered with debris and an unstable structure overhead. The team had recently purchased Fishers DV-1 dropped video and this proved to be the perfect application to deploy the underwater camera.

According the Marine Unit's Sgt. Dougherty, "No police divers were used to conduct the initial search because debris was still falling and shifting with the strong currents and tidal changes. The DV-1 was loaded onto a small police boat along with a standard VCR and a small generator. The VCR was connected to the camera and a video tape was made of the debris field. The depth ranged from 10 to 40 feet in near zero visibility water. The four bright lights on the camera provided enough light to search and record the results. The drop camera and VCR combination were very useful. It enabled us to stop the tape and go back to review any object that appeared to be suspicious. The tape was then given to the homicide detectives to review for their investigation."



Philadelphia Police Marine Unit

.....Japan's National Police Office purchased a large quantity of Fishers Pulse 8X detectors to inspect land, beach and underwater sites before representatives from 8 nations met in Okinawa for a summit. NPO has been using Pulse 8X detectors for several years to locate a variety of weapons used in the commission of crimes, from the country's lakes, rivers and sea.

.....Rockingham County Sheriff's Office in Wentworth, NC has added underwater metal detecting to the capabilities of their dive team with the addition of a JW Fisher Pulse 6X to their equipment locker.

.....Colorado River Station Div. of the San Bernardino, CA Sheriffs Dept. is using Fishers SeaLion ROV for search and recovery of drowning victims reports Deputy Dave Smith. "We've also used the ROV to search for weapons and other evidence in areas where it is difficult or dangerous to dive." Deputy Smith participated in an ROV training course at Fishers factory.



Deputy Smith receives ROV training from JWF tech specialist Brian Awalt

.....Toulumne County Sheriff's Dept. in Sonora, CA have added the single function manipulator arm to their SeaOtter ROV. The ROV is routinely used for recovery of deep water drowning victims reports spokesman Rick Rutherford.

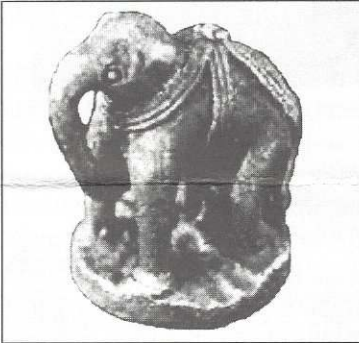
.....El Paso Fire Dept. in El Paso, TX are using a Pulse 8X detector for their underwater recovery operations says Capt. Greg Burns. The department's scuba team performs all the water recovery operations for the city's police department.

.....Marion County Sheriffs Office in Yellville, AR are using Fishers TOV-1 towed underwater camera system. "The TOV is routinely used in our search operations", says Deputy Jim Jensen. "We also used the camera in another project. The TOV was deployed into an intake tunnel to videotape the degree of infestation by zebra mussels. The camera worked great!"

TREASURES RECOVERED!

600 YEAR OLD SHIPWRECKS DISCOVERED IN SOUTH CHINA SEA

Nanhai Marine Archaeology Sdn. Bhd. of Malaysia has discovered several shipwrecks with artifacts dating from the Late Yuan to the early Ming periods of Chinese history, approximately 600 years ago. All the wrecks are located along known historical sailing routes, far from shore, but within decompression diving depths. Unlike many of the Spanish shipwrecks in the Florida keys and the Caribbean that wrecked on reefs, these ships were capsized in severe storms and hurricanes. The intact ships lying on the seabed were discovered using side scan sonars and magnetometers. Their location has protected them from unauthorized recovery so they are expected to provide numerous artifacts and much new information on this period in Chinese history.



**RARE ARTIFACT FOUND BY
MALAYSIA'S NANHAI MARINE**

celadon of various shapes from Sawankhalok kilns. However, eighty percent of it is severely deteriorated due to the long submersion. Additional finds include seven pieces of blue and white pottery from China and Vietnam that were discovered in a secret compartment next to the keel. The presence of these blue and white pieces, and the style of their painted designs, suggests a date of mid 15th century for the wreck. This date is supported by a carbon 14 date of 1400 +/- 70 years.

The company supports museum exhibitions of recovered artifacts to share their findings with the general public. More than 2,600 ceramics from the Royal Nanhai have been donated to the National Museum in Kuala Lumpur. The company has also arranged an exhibition of ceramics from the first four wrecks with the Far Eastern Antiquities Museum in Stockholm, Sweden. Titled "Treasures from sunken ships", the exhibition focused on the variety of ceramics recovered, and the different mixtures and types of wares carried by ships between the 14th and 16th century.

"Our Fisher side scan sonar was instrumental in helping to locate and map these wreck sites", reports company spokesman Sten Sjostrand. See www.ming-wrecks.com

To date Nanhai has discovered five wrecks along the sailing route being searched. The wrecks lay within the territorial waters of three southeast Asian countries. The company has agreed to share archaeological data and artifacts with the host country upon completion of mapping and detailed excavation of each wreck site. The Royal Nanhai is the first site being recovered. Names given to the wrecks are project names only, as Asian vessels of this time did not have names. This wreck was discovered in 46 meters of water, 40km off West Malaysia. The excavation of this site has resulted in the recovery of 20,973 pieces of pottery. The largest portion is

A DIFFERENT KIND OF UNDERWATER TREASURE

In the 1800's and early 1900's thousands of acres of old growth forests were cut down to satisfy the country's need for lumber. The trees were cut into smaller, more manageable lengths, pushed into rivers and floated to sawmills. Along the way some of these logs absorbed so much water they could no longer float and sank to the bottom. There they have laid, in the cold, low oxygen content water, on the bottom of lakes and rivers all over the country.

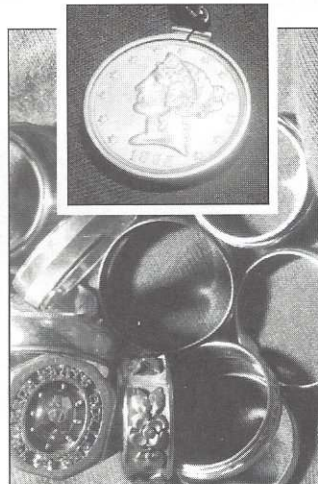
The logging done today produces wood which cannot equal the quality of old growth timber. Today's trees do not have hundreds of undisturbed years before harvest. "Antique timber" has 30 - 70 growth rings per inch. "Modern timber" has two to three rings per inch. This means the antique timber has a density and beauty unrivaled by modern timber. A mystique surrounds these logs that were felled by a lumberjack's broad ax and came from a tree that was a seedling about the time Columbus discovered America.

Today these logs are being actively searched for by a new breed of modern day treasure hunters that use a variety of high tech tools including side scan sonars and underwater camera systems.

Ron Chudzinski is one of the people searching for old growth timber in the Great Lakes. He is successfully using his Fisher dual frequency side scan to locate these logs. "The side scan is great for finding logs", Ron reports. "It produces a beautiful picture of the logs scattered across the bottom. The toughest part is getting them up and to the sawmill!" **JWF**

.....Mel Fisher's treasure hunting company, Salvor's Inc., in Key West, FL continue to recover more gold and artifacts from Spanish shipwrecks. The operation also continues to use JW Fishers boat towed metal detectors (Pulse 10 and 12) and towed video equipment (TOV1). In addition, a number of Salvor's divers use JWF's top-performing Pulse 8X hand-held metal detectors.

.....Carlos Saavedra with ROBCAR S.A. writes, "We are the owners and discoverers of the Santa Clara Wreck located off the south coast of Ecuador. Using eight JW Fisher metal detectors we have found, thanks to your fine equipment, many artifacts and about 15,000 gold and silver coins of various dates to 1680."



**RINGS AND GOLD COIN
RECOVERED IN ST. CROIX
BY BARRY SHIPMAN**

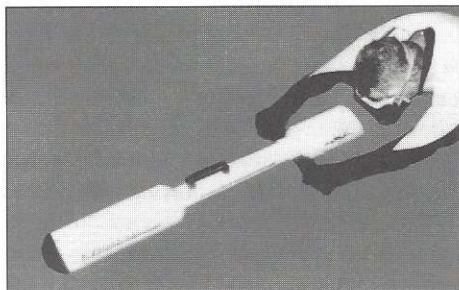
.....Barry Shipman has established quite a reputation for finding lots of coins and jewelry with his Fisher Pulse 8X along St. Croix's beaches. Recently he was contacted by a distraught young lady that had lost a valuable gold necklace while attending a wedding reception on Buccaneer Beach. The necklace, given to her by her grandmother, carried a pendant with an 1895 solid gold coin.

"The gold coin was an easy target to locate once I determined my search area", Barry writes. "I really made her day when I showed up with her lost necklace in hand." "Also enclosed are some photos of some of the gold rings that were among my most recent finds." **JWF**

COMPANY NEWS

NEW PRODUCTS

NEW HAND HELD MAG FOR LAND OR UNDERWATER USE



UNDERWATER WITH DIVER MAG 1

For more than 20 years JWF has designed and manufactured boat-towed proton magnetometers. Now the company has added a new, hand held magnetometer, the Diver Mag 1, to their line.

This super sensitive detector can locate pipelines, cables, cannons, shipwrecks, weapons, unexploded ordnance, and a just about any ferrous (iron/steel) object of any size, quickly and accurately. The Diver Mag works equally well, on land or underwater. It can even be carried inside a small boat to search shallow lakes and rivers.

The mag has user friendly controls that allow anyone to be an expert operator in no time. A five digit LCD readout and audio alarm indicate the presence of metal. A variable sensitivity switch makes pinpointing targets a breeze. The mag has user adjustable buoyancy and moves through the water with ease. Power is supplied by an internal 12 volt rechargeable battery and an external belt mounted battery is also available.

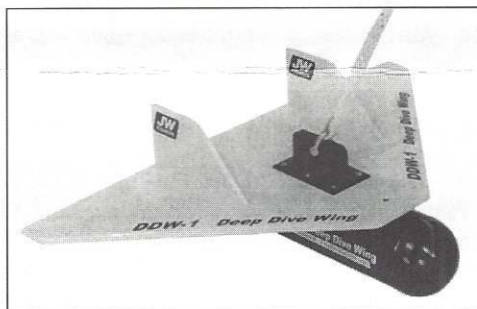
Diver mag 1 is constructed of high impact corrosion proof PVC and has a 200 foot depth rating. The complete system is covered by a two year warranty. A technical data sheet is available. **JWF**



SEARCHING FOR A BURIED PIPELINE WITH FISHERS NEW DIVER MAG 1

WEBSITE UPDATE

Fishers has expanded and improved their website www.jwfishers.com. This easy to maneuver database showcases the company's complete line of underwater search equipment and lets you check prices, e-mail questions, or place an order for any of their more than 20 products. There is a picture and description of each product in both English and Spanish along with a list of available options. At the site you can view images of shipwrecks produced by side scan sonar systems, request a technical data sheet on any product, or read a brief history of the company. **JWF**



FISHERS DDW-1 DEEP DIVE WING

JWF announced the addition of the DDW-1 low cost depressor wing to their product line. Operating on the principle of hydrodynamic depression rather than just weight, the deep dive wing provides a stable platform to tow instrument packages to greater depths with less cable deployed. The DDW-1 can be used with side scan sonars, magnetometers, underwater cameras, and a variety of other instrument packages. Underwater housings to tow your instruments can also be provided by Fishers. A technical data sheet is available. **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; FAX (508) 880-8949; Email: jwfishers@aol.com www.jwfishers.com



NEW MC-1 MINI CAMERA

A new addition to Fishers extensive line of underwater camera systems is the MC-1 Mini Camera. This compact and lightweight camera can easily be mounted to a divers helmet or installed on an underwater vehicle. Other applications for the MC-1 include lowering it into a pipe for internal inspections or attachment to any structure.

The base system comes with a black & white camera, 150' cable, and a GFI breaker to insure diver safety. The camera produces sharp, clear video images that are viewed on a topside monitor and can be recorded on a VCR. The MC-1 is available with several different camera options including color and European PAL format cameras. The Mini Camera is surface powered by 120 vac or 12 vdc allowing unlimited operating time.

Two light options are offered with the system, a high intensity LED ring light (shown above) or a high power quartz halogen light with either 100 or 250 watt bulb.

The MC-1 housing is constructed of corrosion proof PVC and has a 500 foot depth rating. A technical data sheet is available. **JWF**

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