

SEARCH TEAM NEWS

J.W. FISHERS MANUFACTURING INC

JW
FISHERS

UNDERWATER SEARCH

ISSUE 5-1

CANADIAN MARINE PARK SURVEYED WITH SEAOTTER



SEAOTTER ROV FLIES OVER WRECKAGE OF "W.L. WETMORE" IN TOBERMORY, CANADA

Ed Burt of Ocean Scan Systems in Belleville, Ontario, Canada has been contracted by the Canadian government's Parks Canada to survey and video tape wreck sites in one of their national marine parks.

The survey site was Five Fathom National Marine Park in Tobermory, on Bruce Peninsula, in Georgian Bay. Ocean Scan Systems deployed their SeaOtter to film several wreck sites in the park. The first site selected was the schooner James C. King in depths of 25' to 95'. The ROV did a complete survey of the wreck site while Parks Canada divers carried out tests to determine the extent of metal corrosion in the iron fittings and deterioration of the wooden structure.

Another site surveyed was the wreck of the W.L. Wetmore, a steam driven schooner, which sank in a severe storm in November, 1901. Parks Canada officials were able to view the wreck site on the SeaOtter's top-side monitor. The video showed large amounts of timber wreckage and impressive machinery including the massive boiler still in place. The broken propeller and rudder shaft lay side by side on the bottom.

"Parks officials were very impressed with the maneuverability of the vehicle and the quality of the picture", Ed reports. "They also liked the low system cost, compared to other vehicles in it's class, and the fact the system is virtually maintenance free."

Ocean Scan has several of Fishers high tech underwater search systems including the Proton 3 magnetometer and DV-1 dropped camera system. You can reach Ed at (613) 968-7190.

VOYAGE TO THE BOTTOM OF THE SEA WITHOUT GETTING WET



NEW CHARTER BOAT "ADMIRALS LADY" USES SEAOTTER ROV

A brand new 56' custom-built dive/charter boat, *Admirals Lady*, is now running out of Boston, Massachusetts. Captain Steve Nee and partner Doug Collins are owners of the new charter business. Doug is also owner of Scuba Boston.

One of the many high tech pieces of equipment the vessel is outfitted with is a SeaOtter ROV. The SeaOtter is performing a variety of duties on the *Admirals Lady*. One of its first assignments was filming the underwater environment in an educational program for young people called Ocean Frontiers. Fourth through twelfth graders from all over New England have an opportunity to "go to sea" with Captain Nee and view the varied marine life which make the New England waters their home. The three hour charter begins with a marine naturalist describing the marine vegetation, fish, and crustaceans, viewed by the ROV. The students watch the action on several large on-board monitors. The students also get to see what kinds of marine life are captured in a lobster pot and caught in a net.

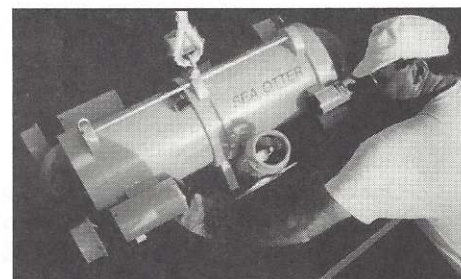
In addition to getting an education in marine ecosystems, the students get a tour of the vessel and learn about its power plant and its state of the art navigation system. "The kids love the program", Captain Nee tells us.

The SeaOtter was instrumental in

helping get the dive charter business started by checking out and filming dive sites. The ROV filmed the Massachusetts Bay shipwrecks, the *Pinthis* in 100' of water, and the *City of Salisbury* in 80' of water. A promotional video for the dive charter business will feature film footage shot by the SeaOtter.

"The SeaOtter made it easy for us to find the best sites for our dive charters without having to do a lot of check out dives. This was especially convenient for the deeper wrecks where bottom time is limited" says Captain Nee. The ROV is now being used to investigate a number of potential dive sites for future charters.

Future plans for the *Admirals Lady* and her SeaOtter sidekick include marine insurance claim investigations, water tower and pipeline inspection, and research charters. For more information on the *Admirals Lady* call Kate at (617) 730-9870.



SEAOTTER ROV CALLS THE "ADMIRALS LADY" HOME

SEARCHING FOR BLACK GOLD IN PARADISE

Robin Lee of Lahaina, on the island of Maui, Hawaii has been diving for black coral for more than 20 years. As with many of the oceans resources this valuable commodity is becoming more and more difficult to obtain. The few divers still diving for the coral have been forced to dive deeper and deeper. Robin, like most of the divers, has been bent (DCS) a number of times. But Robin, a native islander, wasn't the kind of guy to throw-in the towel, looked for another way to do it.

Robin and his group of divers are diving to depths of 150' to 250' in search of the precious coral. It's hard work, under tough conditions. "If we go down and there's nothing there, we're done for the day, there's no second dive at that depth, we go home empty handed", Robin tells us.

The group recognizes the black coral is a limited resource. "We selectively harvest the coral, we don't just go down and clear-cut an area. We dive deep and have very little bottom time to do what we have to do. There's no fooling around down there. We use a hammer to break the coral from the bottom. Saturation [with nitrogen] occurs very quickly because we're working so hard." That's probably why Robin and his group of four divers, which includes his son, are the only ones left in the islands still harvesting the coral.



**BLACK CORAL HARVESTED
AT 200 FT**

The coral is sold to a local company where it's processed and made into jewelry. Much of the black coral jewelry is sold under the brand name of MAUI DIVERS. It's sold in a number of outlets from local jewelry stores to the QVC shopping network. Robin has found a tool that helps make this difficult and dangerous work a little easier. Robin and his group of divers have purchased a TOV-1 towed underwater camera system from JWF. Although Robin had some initial concerns about the systems vulnerability to shark attacks, he reports it's proved to be an invaluable tool.

"We're diving in shark infested waters here. There's big tiger sharks that are attracted to bright colors (the TOV-1 is bright yellow). We call that bright yellow color, yum yum yellow. The sharks have already grabbed some of our yellow lift bags, but so far they seem to be leaving the camera alone."

The TOV-1 has not only increased their output from the old harvest areas, but has opened up new possibilities. The group has a new virgin growth area they want to harvest that will stretch the ability of men and equipment to the max; a pinnacle with it's peak at 240 feet! JWF



**THE PRIZE - A BLACK CORAL TREE
COMING ABOARD**

SEAOTTER FILMS SHIPWRECKS AND PERFORMS BENTHIC SURVEY IN HUDSON BAY

Jose' Hidalgo of Sinaa Productions, which is based in Rankin Inlet on the northern shore of Canada's Hudson Bay, has purchased a SeaOtter ROV. He has found the SeaOtter to be a profitable new addition to his business. The ROV is currently being contracted to study various marine species in the northeastern Arctic.

Sinaa Productions, working with the fisheries facilitator from Canada's department of Economic Development and Tourism, is producing a video of fish, shellfish, and plant species native to the area. Film footage shot by the SeaOtter was recorded on Hi 8 tape to allow for reproduction of the tape with a minimal amount of degradation of picture quality.

One of the objectives of the project is to document the number and different type of bottom dwelling organisms. A four point grid system was developed to facilitate counting and determining size of shellfish. The SeaOtter was equipped with Fishers

UA-2 altimeter to determine distance from the bottom to calculate the grid size. The ROV worked in depths ranging from 50' to 250' in the frigid Arctic waters.

The study confirmed there is an abundance of scallops in the northeastern Arctic. The questions are: should they be harvested, and can harvesting be controlled to assure a continuous supply in the future?

The SeaOtter was also used to film two



JOSE' FILMING SHIPWRECK SITE

recently discovered shipwrecks near Marble Island, approximately 30km southeast of Rankin Inlet. The two wrecks, on the east side of the island, are the *Albany* and the *Discovery*. The ships were part of the ill-fated James Knight expedition of 1719. The expedition set out with two ships and forty men to find the northwest passage. They perished on Marble Island while awaiting a rescue that never came. What exactly happened, to this day, remains a mystery.

The film footage of the wreck sites shot by the ROV will be used by Canada's Economic Development and Tourism as part of a promotional video for tourism.

Future contracts for the SeaOtter include inspecting a nearby water intake, a reservoir, and the outfall pipe.

"The SeaOtter makes a great acquisition tool in the field of video productions. I'm not a certified diver, but it sure makes taking underwater pictures much easier, especially in the cold frigid Arctic waters", Jose reports.

Jose', at Sinaa Productions, can be reached at (819) 645-3421. JWF

AMTRACK TRAIN DERAILS INTO ALABAMA RIVER

Commercial diving company Miller Divers of Fairhope, AL was recently contracted by CSX to locate missing parts of a train which derailed into the Canot river.

Finding the locomotive was no problem even though 85' of it was embedded in the river bottom. The cars, however, were in two pieces. "The cabin part of the car had been separated from the chassis. Several of the wheel and motor assemblies had broken loose and were hidden in the muddy bottom. The mag was invaluable in helping locate the missing wheels", Phil reported. "Some of the motor assemblies were buried as deep as 70'. We buoyed the spots where we got magnetic anomalies. A clam bucket was brought in and got everyone of them!"

"We've had the Fisher mag we've been using for years," said Miller diver Phil Schaumburg. "It works great."



MILLER DIVERS LOCATE TRAIN PARTS WITH MAGNETOMETER

Recently the company used the mag to locate an A-frame lost from a dredging barge in Mobile Bay. The 10' tall, 6' wide A-frame was quickly located by the Miller Divers team using their Fisher mag.

Miller Divers can be contacted at (205) 928-2526. *JWF*

POLICE DIVERS LOCATE MURDER WEAPON WITH PULSE 8X DETECTORS



CRANSTON, RI POLICE DIVE TEAM

Cranston, Rhode Island police divers searched for the handgun used in a double murder on Good Friday morning.

According to police, it was about respect. As a member of the Mafia, Antonio Cucinotta expected to be treated with respect by other members of the Providence underworld. When patrons at a mob-connected Cranston social club insulted him, he allegedly went home got a .357 caliber handgun, returned and shot both men in the head.

Cucinotta surrendered himself to police the following day and admitted throwing the gun into Meshanticut Lake. Police divers searched the lake using Fishers Pulse 8X detectors. The divers were surprised when they found not one, but two weapons. Ballistics tests confirmed one of the handguns was the murder weapon. Police are attempting to identify the second gun.

Assisting in the search were Cranston police divers Ron Jacob, Sean Baxter, Marco Palumbo, Edward Walsh, Michael Cuddemi, Ronald Martin, Mike Dailey, Glen Gilkenson, and Paul Saccoccia.

Due to the very large search area to be covered additional Pulse 8X's were loaned to the dept by adjoining towns, Smithfield and Lincoln, RI. *JWF*

BITS AND PIECES

.....Swiss International Diving Service of Berneck, Switzerland has purchased a SeaOtter ROV. Company spokesman Werner Haeni says the SeaOtter is currently being used in a pipe laying operation in the Gulf of Guinea off the Ivory Coast of Africa.

.....The National Institute of Oceanography in Dona Paula, India is using their Pulse 8x for field exploration work.

.....AKSU Shipping and Trading Co. of Istanbul, Turkey is using their SeaOtter ROV for ship hull inspection and salvage.

.....Scuba International in Dubai, United Arab Emirates has added another Pulse 8X for recovery work.

.....Integral Services Co. in Kuwait is using the DV-2 deep drop video camera for use in it's Persian Gulf operations.

.....CIE Maritime Archeologie Et Prospection in France has purchased two more Pulse 8X's and a DV-1 dropped video with PAL format camera for their exploration projects.

.....Omar Zawawi Establishment in Oman has purchased the SeaOtter ROV with PAL format camera to do hull inspections.

.....Alisun Norge AS of Norway is using the Pulse 8X in their commercial diving business.

.....Grafinta Sociedad Anonima in Spain is using a Proton 3 magnetometer for marine archeology use.

.....Advanced Marine of Singapore, supplier of marine equipment to the Pacific Rim countries has purchased more equipment from Fishers including the Pulse 12 boat towed metal detector, the DV-2 deep drop video, and a number of Pulse 8X's. Equipment is available for lease.

.....Micronesia Divers Association in Guam has purchased a Pulse 8X for their dive team.

.....HydrNav Services PTE. LTD of Singapore is leasing it's Proton 3 magnetometer to international marine services company Stolt Comex for use in their Pacific Rim operations.

.....Multibuild PTY LTD of Perth, Australia has purchased a TOV-1 towed video system for site inspection operations.

.....Delmas Sengal Co. of Dakar, Sengal has purchased the Proton 3 mag with the UA-2 altimeter option to use in their salvage operations.

.....PCB Representations in Lima, Peru has purchased two DV-1 drop video systems for a Peruvian navy project.

.....Merit consultants in Vancouver, BC, Canada has purchased the DV-1 system with color camera for inspection contracts. *JWF*

VINTAGE AIRCRAFT DISCOVERED AFTER 50 YEARS IN OREGON RIVER BOTTOM

Colorado based marine services company Martec International renowned for locating many historic shipwrecks has located a P39 in Oregon's Columbia River.

"The World War II fighter plane crashed after running out of fuel on a routine training mission", said Martec spokesman Stuart Hicklin. Using the Proton 3 mag we successfully located the aircraft in a short time. "Because the aircraft was buried in the soft silty river bottom we couldn't see it, but the mag said it was there."

An EG&G sub bottom profiler, a device capable of showing a picture of a target buried in the bottom, was brought in. "After running a grid over the area with the profiler we had a nice picture of our P39 lying under the silty river bottom.

Plans are being made to recover the aircraft. *JWF*



P39 LOCATED WITH PROTON 3 MAG

BITS AND PIECES

.....Ocean Science Center of Memorial University in St. Johns, Newfoundland, Canada latest project is using their DV-2 deep dropped video system to count shellfish populations. University spokesman Ray Thompson says, "The low light camera is so good that we get an excellent picture down to 150' without using the lights!" The project entails making shellfish counts to depths of 350'. Their DV-2 system has the very low light (.5 lux) commercial b&w camera.

.....Pete's Diving Service, Mobile, AL., is using their Pulse 12 boat towed metal detector and DV-1 dropped video camera for locating large propellers.

.....Brian Sharp, owner of Bottoms Up Marine in Cocksackie, NY is using his DV-1 drop camera for bridge inspection work. "I love the system. I've used two other brands and the DV-1 is the best by far!", Brian says.

.....Dennis Georges of River Diving and Salvage in St. Louis, MO is successfully using his Pulse 10 boat towed metal detector to locate large props in the Mississippi river.

.....Pete McCarty of Ocean Robotic Systems in Port Isabel, TX is using his SeaOtter ROV for a variety of different applications including offshore structure surveys, hull inspections, dam, tunnel, bridge inspections, and marine biological surveys.

.....Southern Connecticut State University is using their DV-1 drop camera for use in their marine biology program. The system is being used in Long Island Sound to study marine life and vegetation.

.....Bisso Marine a marine services co in New Orleans, LA is using their Proton 3 mag for salvage work. Bisso's Rick Carter says, "We recently used the mag to locate a tug sunk in the Mississippi. I was surprised at how easy the mag was to operate."

.....Chris Bahen owner of Seafloor Surveys, Inc. in Richmond, VA was recently contracted to locate a 9000 lb anchor. Chris located the anchor with his Proton 3 mag.

.....Sri Lanka based marine services company Colombo Engineering, longtime user of JWF metal detectors and camera systems, has upgraded their video inspection capability by adding the DHC-1 diver held camera system to their diving operations.

.....Oceaneering Technologies, a NY based marine services company, has added a Pulse 8X for their commercial diving operations. The first job for the 8X was to locate and track a pipeline running under the Hackensack River in NJ. "The detector worked beautifully" says diver Art Schmidt.

.....Reykjavik, Iceland marine contractor, Allne Kopsson has purchased a Proton 3

mag system for use in their salvage operations in the Norwegian Sea.

.....Phil Sobel of Woods Hole Oceanographic Institute, recently completed tests with the U.S. Coast Guard on using a metal detector to locate discarded batteries on the ocean floor. "The Pulse 8X did a great job, but that didn't surprise me, I've used JWF detectors many times before", Phil reported.

.....Dive Cerulean in Cerulean, KY has added a DV-2 deep dropped video system to his shops equipment. One of the first projects for the DV-2 was checking out a local quarry which was going to be used for check-out dives. "We had to check the quarry before we could put our divers in, to make sure there weren't any potential hazards", said shop owner Dave Westerfield. "With depths of over 200', we knew we couldn't do a lot of check-out dives. We sent the camera down and the only things we found on the bottom

were an old stove and refrigerator. The system worked great and saved a lot of manpower!"

.....Massachusetts Dept of Environmental Protection, Wetlands Conservancy Program together with NOAA is involved in a pilot project to locate eel grass habitats along the coast of Ma and its offshore islands. The first part of the project involved taking color aerial photographs of the area. The second part of the project involved a close up examination of the area using an underwater camera system. Charles Costello is using Fishers TOV-1 towed underwater camera system for the underwater survey work. "I'm very pleased with the performance of the system. Some of our initial surveys were done with divers. The towed camera system is a more economical method and we get a permanent record to show others involved in the project", he reports. *JWF*

DIVING CO LOCATES PROPELLERS AND DOES MARINE SURVEYS USING UNDERWATER VIDEO CAMERA



BOB BROWN Jr. and BOB BROWN III, OWNERS OF "THREE RIVERS DIVING"

Three Rivers Diving, a commercial diving company in Cannonsburg, Pennsylvania, is finding a wide variety of applications for their DV-1 dropped camera.

The company, using the DV-1, has consistently located large propellers lost from towboats in the three rivers area surrounding Pittsburg. The 4' to 8' stainless steel propellers brake loose from their prop shafts and fall to the silty river bottom.

Father and son team, Bob Brown III, and Jr., owners of Three Rivers Diving are regularly called in to locate the large props. Most often the big wheels are lost around locks and dams.

Before the DV-1, a five man crew of divers was required to locate and retrieve the props. "Now I can do the job by myself using the DV-1", Bob Jr. says. "I locate the prop using the camera then drop down and attach the sling with the recovery rope. I'm only in the water five minutes!"

Recently the company was contracted to inspect the site of an old river bridge crossing. A large towboat pulling six barges had grounded in the area. It had been believed that all the footings had not been extracted when the old bridge was removed. The DV-1 was employed to inspect and video tape the bottom, checking for obstructions.

"The camera gave us a beautiful picture. We saw part of a concrete footing sticking 14" up off the bottom. The insurance company was very pleased with our work."

Three Rivers has also been contracted by a local firm which specializes in environmental studies. The private firm is brought in when a large scale fish kill or oil spill occurs. One technique it uses in examining bottom soil is to drive a pipe into the bottom to collect soil samples for testing at a lab. The company wants Three Rivers to use their DV-1 to do 18 hours of video tapping of marine life and vegetation in the contaminated areas. *JWF*

TREASURE CORNER

.....Paul Trefzer of Jupiter, FL, longtime user of Fisher underwater search equipment



CANNONS RECOVERED - LOCATION NOT REVEALED

sent us this photo of cannons he recovered from a wreck site "somewhere in the Caribbean".

.....Sarasota (FL) based Triton Quest has located a matched set of 1700's British Admiralty anchors using the Proton 3 mag, company spokesman Mark O'Connell reports.

.....\$4 million in booty has been recovered from Cape Cod's pirate wreck the *WHYDAH*. The 1717 shipwreck was located a short distance off the beach by longtime treasure hunter and Fisher equipment user Barry Clifford.

.....Mike Schultz, president of Open Ocean Adventures in Bay St. Louis, Mississippi reports he found a small golden urn while working a wreck with world reknown treasure hunter Herbert Humphrey and his Marex crew aboard the *R.V. Beacon*. The urn, which legend describes as a good luck charm carried by sailors, was said to hold the ashes of dead saints. Mike located the valuable artifact with his Pulse 8X. On another expedition in South America, while working an area of ancient Indian burial mounds, Mike located a small, rare sculpture called a Yaba Ding Ding. Other finds made with his 8X include many pieces of eight and numerous gold wedding bands.

.....Barry Shipman of the Virgin Islands has a problem we'd all like to have. He's located so much lost jewelry with his Pulse 8X, he doesn't know what to do with it all. "The local jewelry stores are only offering me a fraction of what its worth. I've finally found a company in the states that's giving me a decent price for it."

....."Your Pulse 8X is the best underwater metal detector I've ever used, and I've used a lot of them" says Thelma Akers, owner of "In and Underwater Dive Shop" in Meridian, Mississippi.

.....Chuck Tryon of Latham, NY came up with a nice find using his J.W. Fishers detector, a Rolex Presidential lost for nearly two years. He received a reward for returning it to the owner.

.....Mr. and Mrs. Dale Polk of Titusville, FL continue to locate loads of jewelry with their two Pulse 8Xs. On a recent outing their finds included four 14K gold wedding bands, a gold bracelet, an 18K gold medallion, and a 14K white gold ring.

.....Chris Combs, Sales and Service manager for JWF, participated in a wreck hunt off of Cape Cod with Capt. Jim Jones and the crew of the *Sea Hunt*. The search involved using the Proton 3 mag to look for an unidentified wreck several miles east of Monomoy Island on the Cape's southeastern tip.



DREW HARRISON PREPARING THE PROTON 3 FOR TOWING

The group was unable to locate the unidentified wreck but did confirm the location of the *Aransas* wreck sunk in the early 1900's. The group dove the wreck recovering a porthole backing plate and numerous brass lamp fittings. Assisting crew members were Drew Harrison, Bill Cronin, and Chris Jones.Lee Spence, a long time user of JWF equipment, continues to bring up valuable artifacts from the treasure fleets.



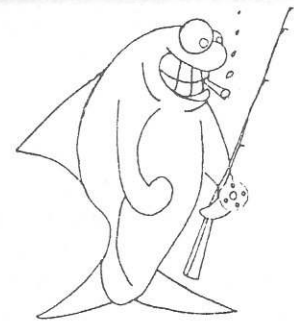
SONNY RANKIN AND LEE SPENCE WITH 17th CENTURY OLIVE JAR

THAT FISH STOLE MY POLE!

Dan Greenaway of Englewood, FL was amazed at how good a picture his TOV-1 produced, but there was one picture he just couldn't believe.

Dan, owner of The Ships Store in Englewood, and his father split the cost of the underwater towed camera to use on their charter boat. They routinely use it to check fishing sites. "I'm very pleased with how well the system operates." Dan tells us.

On a recent charter Dan had the TOV-1 on the bottom watching the action as his group fished a favorite wreck site. He set up one of his customers with a new \$500 rod and reel. As he viewed the action on his top-side monitor, he got quite a surprise. He saw a 500 pound jewfish swim past the camera dragging his \$500-fish pole behind it!



THE NEW PROUD OWNER OF A \$500 ROD AND REEL

That was the last Dan saw of his pole, but now he keeps an eye out for those big pole-nappers with his TOV-1.

Dan regularly runs charters out of S. Florida on his 28' boat, *ELLENI*. For more information on charters contact Dan at (813) 473-1969. *JWF*

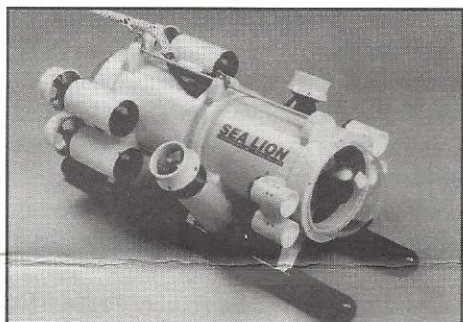
The Dept. of Natural Resources in St. Thomas, Virgin Islands has purchased a SeaOtter ROV for use in their marine biology studies. The department's Division of Fish and Wildlife, funded by the U.S. Fish and Wildlife Service Sport Fish Restoration Project, is using the SeaOtter to investigate offshore fisheries habitats on the insular shelf south of St. Thomas and St. John. The ROV will assist researchers in locating and mapping unique shelf features which will be characterized and charted. Benthic habitats will be described and eventually routine monitoring of habitats and ecological processes will be implemented.

Initially the system was purchased for the Sportfishing restoration project, but the system has proved itself to be so functional and versatile plans are now being made to use it in two other projects. One is a National Marine Fisheries project and the other is an artificial reef project. " *JWF*

COMPANY NEWS

SEALION ROV

J.W. Fishers proudly announces the addition of a new more powerful ROV to the line. The SeaLion ROV is the newest addition to JWF's line of underwater camera systems. The SeaLion has double the horizontal thrust power of the popular SeaOtter ROV.



NEW, MORE POWERFUL SEALION

The SeaLion was designed in response to customers request for a compact but very powerful ROV that could tow its umbilical cable up long pipe lines. The system uses the same high resolution color camera currently used in the SeaOtter. The SeaLion is capable of working in currents of up to 4 knots and inspecting intake pipes up to 1000' in length. Many options are available including a manipulator arm.

DHC-1 DIVER HELD CAMERA

A diver held camera, the DHC-1, is now available from JWF. The DHC-1 was designed to allow top-side viewing of sites divers are working on, or inspecting. This compact system includes a high resolution .5 lux b&w video camera, two 100 watt selectable lights, and Fishers unique leak detection circuitry.



NEW DIVER HELD CAMERA WITH SURFACE MONITOR

The camera connects to a top side monitor with a 150' umbilical cable. Cable lengths up to 1000'+, and color or PAL cameras are available options.

DHL-1 DIVER HELD LIGHT

The new DHL-1 diver held light is now available from JWF. This portable, surface supplied light delivers high intensity lighting with quartz halogen bulbs.



NEW DIVER HELD LIGHT - SURFACE POWERED

This powerful hand held light is available in 200, 300, or 400 watt versions. The system employs the same unique water cooled bulbs used in all of JWF's underwater camera lighting systems including the new SeaLion ROV. The DHL-1 was designed for those applications where continuous high intensity lighting is needed.

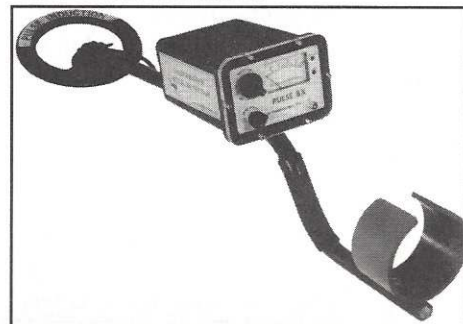
UA-2 ALTIMETER

The UA-2 altimeter, a long time popular product offered by JWF, displays distance from any towed vehicle/instrument package to the bottom. It is now available with a readout capable of displaying distance in either feet or meters.

Its power has also been increased, giving extremely good performance even in very soft bottom conditions. Another new feature is an underwater connector which enables both the control box and the transducer to be switched between equipment.

PULSE 8X

J.W. Fishers top-performing diver held underwater metal detector, the Pulse 8X, has a new line of optional search coils available that are field installable.



TOP-PERFORMING PULSE 8X NOW AVAILABLE WITH WIDE RANGE OF OPTIONAL COILS

These interchangeable coils enhance the capabilities of this rugged and powerful detector by allowing the operator to match the coil to the job and give optimum detection range for different size targets. Coil sizes available include the 7.5", 10", 16", 18" with 100' cable for boat deployment, 8" x 48" oval coil on skids with 100' cable for boat deployment and a hand probe.

Both the Pulse 6X and 8X detectors now come with a new land handle. The new handle was designed in response to customer requests for a light-weight heavy-duty handle for working in the surf. The new handle is constructed of heavy-gauge aluminum with adjustable coil shaft and arm support. Both shafts adjust quickly with the push of a button. O-rings added to the arm support shaft eliminate play giving the handle a solid feel.

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

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