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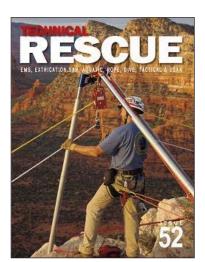
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MAG-INFO MAG-INFO

ISSUE 52 Sampler



OUT NOW

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Left: COVER 52: Issue 52 of the magazine is ROPE RESCUE SPECIAL. Mike Green of Montgomery County Fire (Maryland) stands next to the Arizona Vortex Multipod as the tagline hanger hooker for the impressive November 2007, 645m (2,115') sloping Kootenay Highline between Bell Rock and Courthouse Butte in scenic Oak Creek Canyon near Sedona, Arizona. The entertaining human story by Len Batley of what went right and what went wrong is contained in this edition of TRm. Photo by Reed Thorne from Ropes That Rescue Ltd collection

Below Left: Talk of the devil and it's Reed Thorne with his second Minimalist Rescue Archetype - pick-off rescues.

Below Right: Len Batley of the South Australian Fire Serviceand, incestuously enough, the Austrialian arm of Ropes that Rescue discusses the seriously long highline set up in Sedona, Arizona last Autumn/Fall

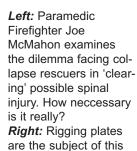








Left: Ivan Hansen completes his two-part series on Mississauga's transition from 'Heavy Rescue Squads' to Technical Rescue with a look at their assets. We don't normally 'do' firefighting but it was just too good a shot Right: The first 5 in our top twenty Must-Have Rescue books

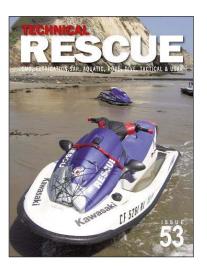


issue's Market Guide





ISSUE 53 Sampler



Going to print first week of July, get your order in NOW: Subscribe via the website:

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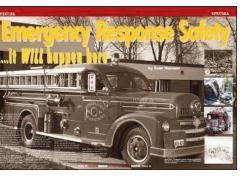
Left: COVER 53: Having reviewed the new PWC course from K38 in the UK in the last issue this is the model favoured by K38 founder Shawn Alladio in California and here, after some hurried running repairs is used on a fundraiser for the Higgins & Langley Trust the swiftwater rescue awards program initiated by Nancy Rigg. The result of this years awards are on the final page of this newsletter

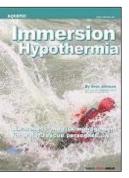
Below Left: Larry Collins of LA County Fire Dept picks up the reigns on mud and debris flow a subject that was very high on Jim Segerstrom's list of priorities just before his untimely death. Larry gets plenty of chances to put theory into action in one of the world's key hotspots for fire & flash flood induced mud slides.

Below: Ivan Hansen examines the aftermath of incident response calls that resulted in a crashed emergency services vehicle and Reed Thorne looks at pick-off rescues that require a rescuer to be lowered from the top.

Below right: Sean Johnson covers the basics in a two-parter on immersion hypothermia and Greg Churchman looks at the Raven TARP EX Rescue Pack.









ALSO IN ISSUE 53: • Lee Lang looks at Search Shadowing • Jez Hunter takes an irreverent look at the use of wire rope winches in Confined Space Rescue • Review of the Bauman Screamer 'Harness' • Review of the Mustang Special Ops Drysuit • Extrication tips • Reed Thorne and the 3rd of 7 MRA (pick-off rescue) • Top Twenty Rescue Books • Market Guide to Mini Pneumatic Airbags (footprint of 12" and less)

later in the year: ISSUE 54_{Autumn 2008}

GHOST - the UK's first Specialist Robotics Rescue Team Ribs and Rigids - A Market Guide to rescue boats Immersion Hypothermia continued

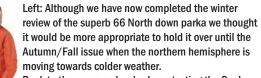
Reed Thorne on the AZTEK Pulley system
Confined Space/Peddle Cutters
Rope Rescue - New Coastguard Rope Rescue System
Helmets, PFDs and Cold Weather Clothing REVIEWED

MAG-INFO MAG-INFO



REVIEWS IN THE PIPELINE

A true multi-role helmet from Future-Safety in the UK seems to be attracting attention and we've been using the 'aquatic' version (blue helmet -right) and will shortly be trialling the USAR/Forestry version complete with ear defenders and multiple visor options. The aquatic model could just as easily be the high-angle or the boat helmet and has the option of integral semi-visor similar to the Gallet F1. Also from the aquatic world and pictured right we have the Crewsaver Harvester combination PFD/inflatable life jacket - one of their top of the range models and likely to be adopted by HM CoastGuard.



Back to the warm and we've been testing the Cool-Vest, Cool-Helmet and Hydrokool (water-carrier

insert). Unlike ice, these units maintain a constant 50 degrees or so and don't trigger a shiver-rewarming process in the body.
Easily recharged in a refridgerator or bath of iced water, Cool products last for several hours. Aside from working hard in a hot



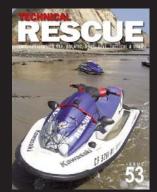
climate we've found that mud rescue in a drysuit is an ideal application because of the very real risk of overheating.

Left:On its way is the Arachnipod from Australia, a multi-function frame that converts from tripod to 4-leg beam gantry allowing excellent lateral manoeuvring of the load or clearing the load away from the drop.

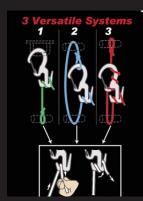


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15yrs Head of Technical Rescue Unit (TRU) (ret) past NASAR presenter, test guinea pig

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Water Guru, Founder Rescue3 International, Flight paramedic, Tuolumne County SAR,

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Law Costs Draughtsman, The real Boss of TRm

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Firefighter, ex-TRU, HMCoastguard, Extrication Team Medic, Marine Incident Response Group

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Ex-firefighter & EMT, current SAR team member and 2008 NASAR presenter

JIM HUTCHEN

Researcher - UK

Firefighter, ex-Technical Rescue Unit,
Extrication Team Snr Medic, USAR Team

SEAN JOHNSON

Contributor -Dive Rescue -USA

Fresno Fire Dept Firefighter, USAR & Dive Team

GREG CHURCHMAN

Contributor -USAR/ Rope Canada ex-Regina Fire Dept Firefighter, Pilot, Rope

Rescue Instructor

RICH BELL

Contributor - UKDir Extreme Medics , ex-Police, Paramedic,

Tactical medic, ex-TRU

CHRIS WALKER

Researcher - UK Ex-Technical Rescue Unit, National RNLI Instructor (HQ),RNLI Lifeboat crew.

Who's Who at TRm?

R U R S

REED THORNE

US Contributing Editor - Rope - USA Rope Guru, Sedona SAR, ex-Firefighter, Stonemason and regular NASAR presenter,

IVAN HANSEN

Contributing Editor - Canada

Acting Fire Captain, Advanced Emergency Medical Care Assistant, ex-Coastguard Aux.

Brian Robinson





Rescue since 82' and a Qualified Mines Rescue Officer since 87'. He worked both part time and full time at Mines Rescue stations through the 80's and 90's including the Channel Tunnel rescue team and was the Technical Rescue Unit's senior Con-Space instructor and advisor 1990. Brian is now involved in training Mine Rescue, Confined Space Working, Confined Space Rescue / Advanced Rescue, Oxygen Resus, Defib, fire extinguisher use and SCBA worldwide. Since Brian lives in South Wales this is mainly within the UK & Ireland, but occasionally other countries, if they got the money, he'll go!!! Brian has adjudicated at last 4 annual Irish & UK mine rescue competitions and he now sits on the UK Mines escape & rescue working group.

!!!!CONGRATULATIONS!!!!





Above: Gary Cross receives his Winston Churchill Fellowship Medal from Winston Churchill's daughter Lady Soames at the City of London Guidhall Left: Ivan Hansen grabs the posy but not the limelight from his new bride Jennifer photo by Joan Hopkins

TECHNICAL RESCUE magazine www.t-rescue.com www.t-rescue.com TECHNICAL RESCUE magazine

STATISTICS PRODUCTS

VETTER S.Tec AirBag better.stronger.innovative

The new S.Tec Bags achieve a 25% increase in performance by innovative technology and an operating pressure of 10 bar/145 psi as opposed to the 8 bar Mini Lifting Bags and thus pave the way for the progress. In addition to the increase in lifting power of 25% (the lifting power of the largest S.Tec bag is 85t) they have a new, modern and well thought-out design and offer many practicaloriented features such as:

- reflecting centre and edge markers for improved visibility
- up to three uniquely raised position aids on each side of the bag enabling easy handling, even in the dark
- rounded side profiles to simplify insertion under a load

The new interlocking surface structure is not only an innovative design, it has simultaneously improved the holding ability on various types of ground avoiding any slippage of the S.Tec Bag and enabled secure stacking of two bags. In order to avoid the pene tration of dirt at the air connection, S.Tec Bags are fitted with a new valve protection cap.

Easy to read safety instructions are on every bag. Imprinting of the serial number on the type plate clearly determines the month and year of manufacture thus establishing the age. An inspection label for the acceptance test as well as other pressure tests show when the S.Tec Bag should be retested.

Certification according to ISO 9001:2000 clearly signal the high quality standard. For further information on S.Tec Bags go to www.vetter.de ortelephone +49 (0) 2252/300860.

New AMKUS

AMK-21A Cutter has excellent cutting capability

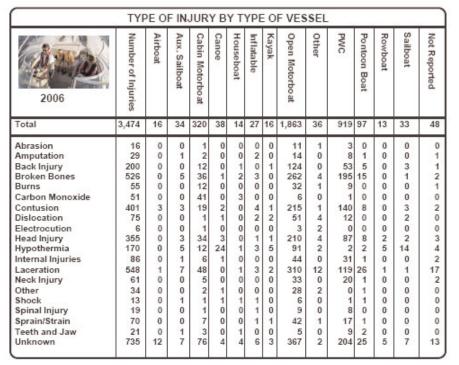
AMKUS Rescue Systems introduces the NEW AMK-21A Cutter with increased cutting capability. The new and improved version of the AMK-21 Cutter offers a new style cutting blade and maintains its UNIQUE 360 degree rotating handle. The design of the blades provides increased cutting capability and a higher NFPA performance level rating. Departments can specify the position of the



control valve - left, right or centered in relation to the cutting blades - at the time of ordering. It delivers the cutting power needed for automotive application in a remarkably compact package. For more information, contact AMKUS 1-800-59-AMKUS or visit www.amkus.com







				CAL	JSE	OF	DEA	HTA								
2006 CAUSE OF DEATH	LifejacketWorn?	Number of Fatalities	Airboat	Aux. Sailboat	Cabin Motorboat	Canoe	Houseboat	Inflatable	Kayak	Open Motorboat	Other	PWC	Pontoon Boat	Rowboat	Sailboat	Not Reported
Totals		710	3	9	55	72	5	23	27	346	16	68	28	35	11	12
Carbon Monoxide	No	12	0	. 0	7	0	0	0	0	5	0	0	0	0	0	0
Cardiac Arrest	Yes	5	0	0	1	0	0	1	0	1	0	2	0	0	0	0
Cardiac Arrest	No	13	0	1	0	0	0	1	0	9	0	2	0	0	0	0
Drowning	Yes	51	0	1	3	6	0	10	5	15	0	9	0	1	1	0
Drowning	No	423	0	5	26	59	5	9	16	211	12	13	23	32	2	10
Hypothermia	Yes	6	0	0	0	3	0	0	3	0	0	0	0	0	0	0
Hypothermia	No	9	0	0	1	3	0	0	1	4	0	0	0	0	0	0
Other	Yes	11	0	0	0	0	0	0	1	6	0	3	0	0	1	0
Other	No	20	0	0	3	0	0	0	0	11	1	1	1	1	2	0
Trauma	Yes	49	1	0	2	0	0	1	0	17	0	26	2	0	0	0
Trauma	No	81	2	1	11	0	0	0	0	54	1	10	2	0	0	0
Unknown	Yes	4	0	1	0	0	0	1	0	1	0	1	0	0	0	0
Unknown	No	26	0	0	1	1	0	0	- 1	12	2	1	0	1	5	2

AGE of INJURED VICTIM by VESSEL TYPE 2006														
	Total Injuries	Airboat	Aux. Sailboat	Cabin Motorboat	Canoe/Kayak	Houseboat	Inflatable	Open Motorboat	Other	PWC	Pontoon Boat	Rowboat	Sailboat (only)	Not Reported
Total	3,474	16	34	320	54	14	27	1,863	36	919	97	13	33	48
Age of Victim														
12 and Under	231	1	0	13	0	3	3	131	1	63	13	0	0	3
13 to 19	628	0	- 1	37	9	0	4	295	7	251	10	1	5	8
20 to 29	725	2	2	52	13	2	5	394	6	223	13	4	3	6
30 to 39	570	3	3	46	6	2	3	307	0	177	12	2	3	6
40 to 49	477	4	8	66	5	4	4	245	6	104	11	3	7	10
50 to 59	333	2	9	37	2	2	7	195	0	46	18	2	8	5
60 to 69	133	1	4	21	6	1	0	73	1	9	12	0	2	3
70 to 79	42	0	2	9	1	0	0	22	0	3	2	1	2	0
80 and over	9	0	0	2	0	0	0	6	0	0	1	0	0	0
Unknown	326	3	5	37	12	0	1	195	15	43	5	0	3	7

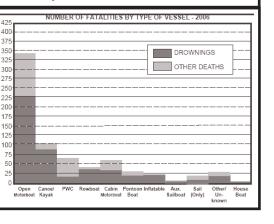


The United States Coast Guard publishes Boating Statistics for every year. This is a snapshot of interesting stats for the latest year 2006. A more detailed pdf of this and other years back to 1997 are available at: www.uscgboating.org/statistics/accident_stats.htm

Our thanks to Nancy Rigg for drawing our attention to the availablity of this data

EXE	CUTIVE SUMM					TICS - 20	006			
	TOP TEN	CONTRIB	UTIN	IG FACTOR	S			_		
ACCIDENT	CONTRIBUTING	G				R OF	NUMBER O			
RANK	FACTOR			ACC			FATALITIE	ES		
	ERATOR INATTEN			611 517		51 28				
	RELESS/RECKLE CESSIVE SPEED	SS OPERA	N	28 39						
	SSENGER/SKIER	BEHAVIOR	,		39					
	PROPER LOOKO			20						
	ERATOR INEXPE	RIENCE		356	44					
7 AL	COHOL USE			133						
	ZARDOUS WATER			294		63				
	CHINERY SYSTE			272		18				
10 EG	UIPMENT SYSTE	M FAILURE	_		141		9			
	TOP FIV	/E TYPES	OF A	CCIDENTS						
ACCIDENT	ACCIDENT		NUM	1BE	R OF	NUMBER (
RANK	TYPE			ACC	IDE	NTS	TS FATALITIES			
1 00	LLISION WITH VE	SSEL		1)	75				
	LLISION WITH FI	XED OBJE	СТ		517		47			
	IER MISHAP				510		12			
	LLS OVERBOARD)			485		202			
5 CA	PSIZING			215	_					
	FATALITII	ES AND LIF	FEJA	ACKET WEA	AR			_		
CAUSE	TO	TAL NUMBE	R	LIFE	JACKET					
OF DEATH		OI	F FATALITIES	6	WORN	NOT WOR	RN			
DROWNING				474		51	423			
TRAUMA				130		49	81			
OTHER				31		11	20			
CARDIAC ARREST			18			5	13			
HYPOTHERMIA			15			6	9			
CARBON MONOXIDI	POISONING		12			0	12			
UNKNOWN				30		4	26	_		
	ВС	DATING CA	SUA	ALTIES						
TYPE OF BOAT	OTHER DEATHS		TOTAL DEATHS I		TOTAL JURIES	TOTAL CASUALTIE	ES			
1. Open Motorboat	226	120		346		1,863	2,209			
2. Personal Wateror	ıft 22	46		68		919	987			
3. Cabin Motorboat	29	26	1	55		320	375			
4. Canoe/Kayak 86		13	7	99		54	153			
5. Pontoon Boat		28	28		125	_				

NUMBER of FATALITIES by TYPE of VESSEL 2006





n March 2007 a unique project took place. A project that was run jointly by the British Council in Sudan and the Khartoum Sea Scouts. A project driven by men with such vision that, despite knowing nothing of the work of International Lifesaving Federation, and the World Water Safety Conferences, they managed to fulfil almost all of the points in the new Policy Statement that was published in the International Journal of Aquatic Research and Education late in 2007.

The burden of drowning on the continent of Africa is unknown, World Health Organisation statistics vary between 60,000 and 90,000 depending on what year is examined, however this figure expressly excludes drowning deaths during floods, and any drowning death from transportation (ie ferries & boats). Clearly, data collection is incredibly difficult. The official figure from the Ministry of the Interior in Sudan is that there are 900 deaths per year, a figure that can be safely rejected as incorrect. Even in

a small cross-section of people that we spoke to, almost everyone has a family member or close friend that has died in the Nile. The participants in the project were very aware of the dangers posed by the creatures that live in the Nile; crocodiles, hippopotami, barada (electric catfish), and bilharzia, to name a few; but very few understood the dan-

gers of the water, and none understood the actual mechanism of drowning (most of them were under the impression you drowned through drinking the water, rather than inhaling it).

Our project in 2007 was a pilot project, which was improved and re-run in March 2008 (and is again being planned for March 2009). The concept was simple, although the aims are multi-faceted. The genesis of

the idea came from the global British Council project called Dreams & Teams, which has the aims of providing leadership skills, and social development through team sport. In Sudan, team sports are practised by a very tiny (wealthy) majority. Swimming, however, is practised by almost everyone, and requires no equipment or expenditure in order to participate. This idea, linked with the huge burden of drowning in Africa lead to the British Council contacting RLSS Trainer/Assessors in the UK with a view to running a water safety and rescue training camp. The participants were to be brought from the length and breadth of Sudan, in order to contribute to the British Council agenda of cultural interaction and facilitating

mutual understanding between Sudanese people – the linking factor between all the candidates was the River Nile. Although the Nile varies enormously along its route through Sudan.

IN AT THE DEEP END!

The (extremely conservative)

estimate by the Sudanese

government for the number of

deaths per year attributed to

drowning in Sudan.

Not really knowing what to expect, RLSS UK Trainer/Assessors, Dan

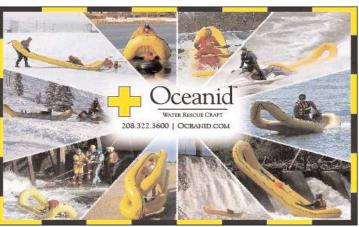
Graham and Tom Mecrow flew out to Khartoum. Waiting for us was a mixed bag of 19 candidates, three canoes, three Perry buoys, and a few lifejackets. We were also able to purchase a large quantity of plastic containers, and about a kilometre of nylon rope. An important aspect of the project was sustainability; we didn't want to teach anything that required special equipment; improvisation and basic techniques were the name of the game.

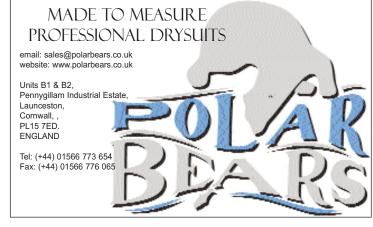
As the camp got underway, it was clear that there were problems in the implementation of the selection process of the participants. Several of them were non-swimmers, and two were profoundly frightened of the water. Over the course of two weeks, we taught a combined swimming course and basic lifesaving skills – reach rescues, throwing rescues, and contact swimming rescues. Strong candidates were identified for potential follow-up after the completion of the camp.

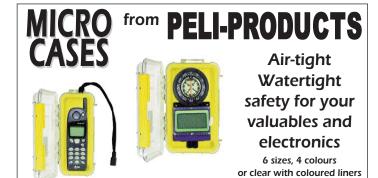
In February 2008 we got confirmation that the project was going ahead again. This time, we thought we had a good idea what to expect. The selection process had been hugely refined, leading to a group of 15 highly-motivated, focussed, very fit swimmers. We had anticipated that our job was going to be the same, to give the participants enough knowledge to give basic swimming lessons to their communities and to provide a basic "lifeguard" service. However, the project had moved on. The idea was to now provide water rescue training and ideas on how to target that training and cascade it down to community members.A

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wonderful surprise when we arrived was the presence of two participants from last year who had been invited back for further training and to work as our "Assistant-Trainers". This was a huge boost for us, as it enabled us to obtain a very good evaluation of the project last year, and its strengths and weaknesses. Both Emanuel and Al-Racheed had run successful projects in their home villages, and it was very interesting to discover what elements of the course they had found useful. It was also humbling to learn that lives had been saved, as a direct

result of our train-The World Health Organisation statistics from the year 2000 show that 409 272 people drowned, and in 2002 that 382 000 people drowned. These numbers are a huge underestimate - as they specifically excludes deaths in

floods, and any



accidents relating to boats, 97% of these deaths from drowning are in low-income countries. The statistics also show that over 50% deaths from drowning are children under 15. The impact of these drownings is huge, in low-income countries; children of this age are frequently economically active, providing childcare in the family, and also out working to bring in money to the family. The second group that has been identified as particularly at risk is fishermen, typically young men (research in Uganda has demonstrated that the death of one fisherman has a direct impact on an average of seven people).

Research in Bangladesh by UNICEF and TASC (The Alliance for Safe Children) has clearly demonstrated the benefits of basic water safety and swim training, particularly to mothers and very young children. Applying the old mantra that "prevention is better than cure". The Bangladesh Health and Injury Survey has found that an average of 46 children drown **per day!** (17,000 per year) Around four times this number nearly drown. In Vietnam an average of 32 children drown each day, with the same amount nearly drowning. Given the living conditions, and ways of life; it is not unreasonable to extrapolate these figures to Africa. With the predicted population growth for Africa and Asia, these numbers are going to get worse. To put these numbers into per-

spective, in the UK the statistics published by RoSPA show a fairly stable rate of drowning deaths at 430 - 490 per year, that is children and

The solution to this problem is already known. There is no need to invest thousands in research and development. We know that targeted water safety information will help reduce this horrifying statistic. It is simply a case of educating the carers in the families (mothers and older children) about the dangers posed by water, and how important it is that children are closely supervised. Once the children are old enough (4 or 5) they should be taught to swim. The materials and resources exist, they just need to be modified in such a way so that there is no requirement for literacy to understand them. Drowning is a silent killer. It's not a fashionable problem, it doesn't attract the headlines in the same way that AIDS, Malaria, and even Typhoid do. We don't have to search for a cure for drowning. We just need motivated, and dedicated individuals to share their knowledge and skills. Many readers will be involved in aquatic rescue, working incredibly hard to reduce the drowning statistics in our respective countries. In our line of work, it is easy to get too focussed on PFDs, drysuits, the latest "bling" bit of kit; and forget the bigger picture that

In the UK, after the recent flooding events, Fire Services are spending huge amounts of money on training and equipment, ultimately to save lives. I am unable to locate definite figures of how many people lost their lives in floods in the UK over the past few years, but I'm pretty sure that it will be a lot less than the amount of people who lost their lives to the water in one day in the developing world.

we are all a small part of.

My grateful thanks go to Paul O'Sullivan and staff at Rescue 3 UK for allowing me time off work to travel out for the project in Sudan.



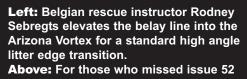
GALLERY



GALLERY GALLERY







Above: For those who missed issue 52 and Reed Thorne's phenominal highline another of John Burcham superb shots taken during this event supported by Sterling Ropes who supplied no less than 800m or rope for the single span. Here Becky Cordova of Sacramento Metro Fire Dept is captured in mid-deployment.

Right: Dubai Civil Defence responsible for fire and USAR in the northernmost of the United Arab Emirates take delivery of the United Arab Emirates take delivery of a Mercedes Unimog conversion by Rosenbauer





























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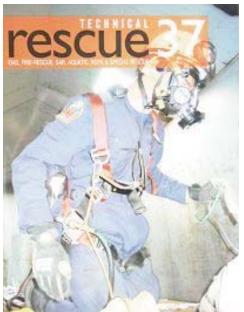








FOCUS ON ISSUE 37



came out in early 2003 and featured a Technician from the Sound Beach Fire Depts Technical Rescue Team on the front cover. Having repeatedly warned of the impending floods in Europe despite the emphasis on USAR following 9.11 Jim Segerstrom waded into the 'preparations for flood' discussion, a discus-

sion pretty much

lssue 37

begun and propgated by Jim himself along with other wise heads like Slim Ray who described floods as a significant 'weapon of mass destruction'. This issue's article was entitled FLOOD CONTROL an OXYMORONand focused on the mistakes that could be made if we continued to believe that we could 'control' a flood or 'manage' a disaster. While most of the UK was still in denial that flood events even occurred let alone required some degree of pre-planning Jim was busy re-focusing the existing SWIFTWATER RESCUE courses and training to take acount of the longer duration and phased flood events. Dr Rob Dawes (now of National Geographic fame!) and Ade Scott headed to Vegas to attend the cream of specialist Airway Management courses Drs Ron Walls, Mike Murphy, Bob Schneider and Bob Lutens' THE AIRWAY COURSE. This was a fantastically well presented, no-nonsense course primarily aimed at docs but every paramedic would gain from this course. I don't know if it's still be run in any guise but if it is, book your place. Well OK...save some money then book your place - it was \$1000. back then so I dread to think. In those days we (The Technical Rescue Unit) helped deal with most large animal rescues, primarily due to our heavy lift and rigging capabilities rather than the specialist animal handling skills that Hampshire Fire Rescue Service now has. In our incident report we describe the efforst involved in rescueing a large cow that had wandered off a cliff and if that wasn't bad enough it then proceeded to get stuck in the mud!

Rod Campbell and Brendan Morris, then of the Technikon Natal in Durban examined the efficiency of remote shoring (in trench rescue) using auto-locking struts and air or hydraulic setting and standard manual shoring. Not surprisingly, auto-locking struts were found to be a whole heap guicker and safer than manual struts!

style 'Professor' Al Sheehan looked at some belay drop test outcomes in very, very great detail. In fact in some cases to 6-decimal places!! The point of Al's article was to highlight the problems associated with having any kind of belay AT ALL and was an argument in favour of a well managed single rope system. Controversial but he had a point!

In the second of our two Teknikon Natal articles, experienced paramedic and rescue technician turned dept head Rob Owen (who has since moved to an Ambulance management position in the UK) and S. Naguran trashed the idea of self equalising anchors actually being able to self equalise at all. It was something we'd pointed out before in TRm but as usual the boys at Technikon Natal provide the data to back it up. Finally Geoff Williams, ex-Deputy Firemaster of Central Scotland and one of the early USAR advocates looked at shoring in an underground railway system. A useful portent to the event of July 07 in London. Oh, and we managed to slip in a typo on the Gallery of Pentagon shoring pictures and move 9.11 to the year 2000!

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Std versus Auto Shoring by Rod Campbell & Brendan Morris **GEAR REVIEWS:**

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The UK Mountain Rescue Conference 2008 5th to the 7th September 2008. University of Stirling, FK9 4LA, Scotland

A Joint Conference of

Mountain Rescue England and Wales (MR-EW) The Mountain Rescue Committee of Scotland (MRC-S) **The Northern Ireland Mountain Rescue**

In association with The Irish Mountain Rescue Association (IMRA)

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Professor Mike Tinton

Mark Hodgeson

Roddy McCormack & Tony Rich

Alan Jeffries Scottish CRO

Jamie Keen/Roger Davnes

Paul Witheridge Lyon Equipment

Anna bagenholm / Torvind Naesheim

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2008 Higgins & Langley Awards

The Higgins & Langley Memorial and Education Fund Nominations Committee

presented the 2008 Higgins & Langley Memorial Awards in Swiftwater Rescue at this year's National Association for Search and Rescue (NASAR) conference in Colorado Springs, Colorado, May 2008.

OUTSTANDING ACHIEVEMENT IN THE FIELD OF SWIFTWATER RESCUE

Keeseville Volunteer Fire Department, New York Fire Chief Leonard Martin and the Keeseville Volunteer Fire Department (KVFD) received the 2008 Outstanding Achievement Award in recogni-

tion of their visionary determination to develop a pioneering swiftwater rescue program to serve their rural community in upstate New York. which features two fast moving rivers, the

AuSable Chasm, and Lake Champlain. According to Thomas Dragoon. whose 24-year old son, Mark, lost his life in the AuSable River in Keeseville on June 5, 2006, Chief Martin and the KVFD Swiftwater Rescue Team had been working since 2004 to build their swiftwater rescue program. Hampered by a lack of funding and mandates to provide this critical technical rescue capability, their single rescue boat was transported to emergencies on a snowmobile trailer and the agency only owned four sets of swiftwater rescue gear. When tragedy struck the Dragoon family, KVFD mobilized 45 federal, state, and local agencies and 310 volunteers over an intense, 10-day search to recover Mark's physical remains. "Their never-wavering devotion to duty and honor speaks volumes of the volunteer spirit that is America," Dragoon says of Martin and his team of 45 rescuers, 10 of whom are trained to the technician level in swiftwater rescue and 20 of whom have received swiftwater rescue awareness level training. In gratitude, Dragoon nominated KVFD for the "Firedog across America Award" in 2006, raising more than \$60,000 to build the agency's swiftwater rescue program.

LIFETIME ACHIEVEMENT AWARD:

Fire Captain Lawrence (Larry) Collins, LA County Fire Department, Los Angeles, California

In recognition of the groundbreaking contributions that have been made by Fire Captain Larry Collins to the field of swiftwater and flood rescue throughout his 28-year career with the Los Angeles County Fire Department. As a visionary leader, rescue technician, trainer, and author, Captain Collins helped redefine the world fire service's mission to include swiftwater and flood rescue response capability.

PROGRAM DEVELOPMENT AWARDS:

Chief Fire Officers Association- UK, Management of Major Flood Event Research Project Chief Fire Officer Paul Hayden, Team Leader, United Kingdom

In recognition of the pioneering and visionary Chief Fire Officers Association Major Flood Event Research Project, under the leadership of Chief Fire Officer Paul Hayden, resulting in the development of a comprehensive flood and swiftwater rescue emergency response plan for the United Kingdom.

San Diego Regional Aquatic Lifesaving Emergency Taskforce (SDR ALERT), San Diego, CA

SDR ALERT has developed a model program for the regional coordination of and response to aquatic emergencies in San Diego County. California, including swiftwater and flood rescue operations. Member agency criteria includes standardized training, operational guidelines and response plans, preidentified aquatic first responders, solutions for interoperability communications and agency response agreements, intensive training exercises, and promotion of public education and public awareness.

INCIDENT AWARDS:

Sergeant Kathy Curtic, Fresno County Sheriff's Office, California

In honor of the heroic rescue of two unconscious and unresponsive victims, a mother and her sixyear-old daughter, who were being swept downstream in the powerful, cold current of the Kings River

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in Fresno County, California, on June, 16, 2007. Exceptional skill and experience in swiftwater rescue allowed Sergeant Curtice to take a measured risk to perform these rescues in treacherous conditions. with only the aid of bystanders.

United States Coast Guard Station Tillamook Bay Garibaldi, Oregon

In honor of the rescue of 47 citizens and a dozen domestic animals from extremely treacherous, rising floodwaters in the communities of Tillamook, Bay City, and Garibaldi, Oregon, by the United States Coast Guard, Station Tillamook Bay, on November 6-7, 2006. Crew members include: Boatswains Mate 1st Class Thomas P. Molloy, Boatswains Mate 1st Class Corbin J. Ross, Boatswains Mate 1st Class Brian C. Trotter, Electricians Mate 1st Class Marcus L. Benally, MachineryTechnician 1st Class Joe W. Majewski, Boatswains Mate 2nd Class Jon A. Beam, Boatswain Mate 2nd Class Conor A. Bennett, Machinery Technician 2nd Class Timothy P. Hurd and Seaman Catherine M.Hogan.

United States Coast Guard Air Station Humboldt Bay McKinleyville, CA

In honor of the April 17, 2007, rescue by the crew of United States Coast Guard HH-65C Helicopter 6583, Group/Air Station Humboldt Bay, California, of an elderly gentleman whose vehicle plunged off of a 30foot embankment and was lodged in the midst of treacherous rapids in the Smith River. Crew members include: Lieutenant Commander Daniel D. Unruh, Lieutenant Stephen T. Baxter, Aviation Electronics Technician 1st Class Mark Samaniego and Aviation Survival Technician 2nd Class Shawn M. Lesko.

SPECIAL COMMENDATION AWARDS:

United States Border Patrol, El Paso Sector **Swift Water Rescue Team**

In honor of an exemplary swiftwater rescue team that is responsible for the training of U.S.Border Patrol Agents assigned to the El Paso Sector, resulting in the documented rescues in 2007-08 of 182 people from the Rio Grande River, irrigation canals and flash floods in the El Paso, Texas, and Southern New Mexico area. Since its inception in 1997, in an effort to promote safety and reduce the death toll in the waterways throughout the region, team members have provided swiftwater rescue training to other local, state, and federal agencies, as well as emergency service agencies in Cd. Juarez, Chihuahua, Mexico. Team members include: Frederick W. Webb. Team Commander, Instructor: Paul Klauss. Instructor: Isidro Trevino, Instructor: Albert Herrera, Instructor: Nicholas J. Veliz, Instructor; Gustavo Renteria, Tech I; Jose Padilla, Tech I; Julio Mendez, Tech I, and William Jackson, Tech I.

Driver\Engineer Edward W. Miller **Colorado Springs Fire Department**

In recognition of D/E Miller's exceptional leadership in swiftwater rescue and recovery operations. As an instructor and mentor, Edward Miller has overseen the training of more than 700 swiftwater rescue technicians and 337 dive-recovery specialists. He is also credited for his direct involvement for saving the lives of ten people in swift water

The Higgins & Langley Memorial Awards are sponsored by CFS Press, CMC Rescue, Inc., K38 Water Safety, Liquid Militia, Rescue 3, International, Rescue Source, Rescue 3 Virginia Rescue ONE Connector Boats, Rig Systems, San Marcos, Texas Fire Rescue, SkyHook Rescue Systems, Inc., and Zodiac Maritime Training Academy. Additional support for the Awards is provided by the family of Adam Bischoff, the Rudi Schulte Family Foundation, Jon Stephen and Karen Langley Stephen, and Shirley A.Rigg, as well as contributions from other generous individuals. The Higgins & Langley Memorial Awards were established in 1993 by the Nationa Association for Search and Rescue in honor of Earl Higgins, a writer and filmmaker, who lost his life in 1980 while rescuing a child who was swept down the Los Angeles River, and Los Angeles County Firefighter Paramedic Jeffrey Langley, a pioneer in swiftwater rescue who lost his life in helicopter incident in 1993. For more information, visit www.higginsandlangley.org.