

4front

Sonavision's Newsletter

Terrific Transducers

Over recent years, 1:3 composite piezoelectric technology has developed allowing significant improvements in the performance of sonar equipment in both military and commercial markets.

The 1:3 technology improves the transducer element's characteristics. Advantages include:

- Uni-modal Response
- Acoustic Impedance Matching
- Wide-Band Operation
- Ease of Construction

Sonavision has been at the forefront of developing this enabling technology.

Opportunities exist to incorporate the technology in already available commercial equipment. Looking ahead, there are also applications in advanced electronically steered arrays.



We'd also like to mention "Chirp" while talking transducers. Chirp systems have a number of advantages including:

- Extended range
- High noise immunity
- Immunity to channel fading
- Operation of multiple sonars in the same frequency band
- Extremely high range resolution

All this usually comes at a price due to the complexity required in the electronic processing. However, Sonavision has been involved in development recently which should substantially reduce this cost and complexity.

Like to know more? Check out an interesting article written by our technical whiz, Bob Wilkinson:

www.sonavision.co.uk/pages/transducers

Or contact us on:

Tel: +44 1224 707737
E-mail: info@sonavision.co.uk

SubCom2000 to McDermott

We've just sold another complete **SubCom 2000 Emergency Through Water Communications** system to **McDermott** through our distributor Sources W Equipment in Dubai. This system will be used to support diving operations in the Middle East.

leading the way

Distributor Spotlight Elcee Instrumentation

Over in Malaysia, Elcee Instrumentation & Services Sdn. Bhd. look after the RoxAnn system for us.

Established in 1994, Elcee not only sells the system but uses it extensively, particularly for coral studies. They're able to differentiate between species of corals using RoxAnn!
(Check out June/July issue of *International Ocean Systems* for an article on their coral work).



KF Yap, Marvin Lee and Nariko

Here's the survey team all set for another day's work (*looks like a tough life folks!*)

Seriously though, they've carried out research projects for numerous government departments such as Dept. of Irrigation and Drainage (DID), Dept. of Fisheries (DOF) and Malaysian Centre for Remote Sensing (MACRES).

They've also collaborated with local universities and institutions such as Universiti Malaya, Universiti Kebangsaan Malaysia, Universiti Putra Malaysia and Universiti Sabah Malaysia.

Contact Elcee on:
Tel: +603 8945 4539
Fax: +603 8941 4468
Web: www.elcee-inst.com.my
E-mail: info@elcee-inst.com.my

More...

Sonar Technician Training

Aimed at repair and maintenance technicians, these provide in-depth training in the operation and maintenance of our sonar products.

Next dates for your diary:

Mercury Sonar	July 27th
Topside Sonar	July 28th
Equipment and Software	July 29th

Don't Forget - They're FREE!

Book your place **NOW!**

Fred's the man to contact:

service@sonavision.co.uk

Meet the Team

With his nose to the grindstone as usual, is Fred Penny, our Service Supervisor.

One of the youngsters of the team at **only 27**, Fred graduated with a degree in Electronic & Electrical Engineering and has been involved in sonar & acoustics since then.



He looks after all the service jobs and technician training courses and is the team's "Quiet Man".

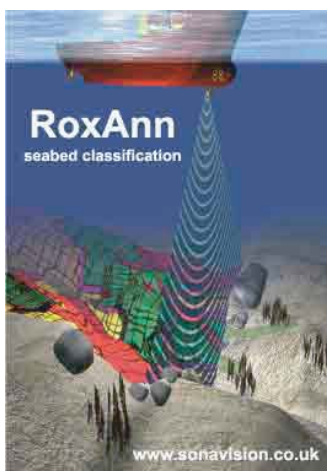
Get in touch with Fred at:

service@sonavision.co.uk

News Flash! RoxAnn GD is Coming

We're delighted to announce that the long awaited successor to our highly successful RoxAnn Seabed Classification System is here!

RoxAnn GD was recently demonstrated by our new UK Fishing Industry Distributor, Woodsons of Aberdeen Ltd. at the Fishing Show, Glasgow.



RoxAnn GD is not only technically superior but is more adaptable, easier to use **and** less expensive!

We're currently appointing new distributors for commercial fisheries, fisheries research, marine environmental, defence and hydrographic markets worldwide for the new system.

For more about joining our distribution team, please get in touch with Alasdair Murrie, our International Distribution Manager at:

alasdair@sonavision.co.uk

Announcements of distribution arrangements will be made in future newsletters.

Underwater Camera Delivered to Faeroes Fishery Research

We've recently supplied an underwater camera, which is being used in a project looking into:

"The effect of scallop dredging on the benthic community" in the Faeroe Islands.

Mrs Una Matras, who has been using the camera said:

"The seabed is being filmed before any dredging has been performed on the area. After dredging the area will be filmed again and the before and after dredging pictures compared. Analyses of the videos include the identification and counting of the living benthos."

The camera is mounted on a frame measuring 0.5 x 0.5 metres, fitted with lights. The distance from the lens to the seabed is about 1 metre.

Filming is carried out on the vessel Norðheim - the only vessel active in the Faroe Island's scallop fishery.

Meet Us Again At

UUVS

September 28th-30th

Southampton, UK