

# Alster News

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## ACES in Hawaii - Thank You

The Alster Communications Electronic Showcase went to the "Far West" in Hawaii with great results. We'd like to thank our fine customers who came, learned, ate and enjoyed themselves.

### Exhibitors

Thank you to the following factories for displaying their products in the exhibit room: **Aeroflex** (Service Monitors/Spectrum Analyzers), **Bergvik** (Raised Flooring), **Bird** (Site Analyzer, Wattmeters), **Gabriel** (Microwave Dish Antennas), **Laminated Wood Systems**, **PCTEL** (Antenna Specialists and Maxrad), **Peninsula Engineering** (Microwave Repeaters), **SunWest** (Cell On Wheels), **Survey Technology** (Drive Test Software), **TXRX Systems** (Cavities, Filters, Signal Boosters), **Watson Dispatch** (911 console furniture) and **Valmont/Microflect** (Components, Monopoles and Towers).

### Technical Seminars

We had enthusiastic attendance for six seminars, which included: **Single Boosters** by TXRX, **Microwave Repeaters** by Peninsula Engineering, **Line Sweeping** by Bird and Times, **2.4 and 5.8 GHz Antenna Choices** by PCTEL, **P-25 Digital Carrier and Radio Main-**



### Booster Seminar in Hawaii

tenance by Aeroflex and Tower Engineering by Valmont/Microflect.

### Door Prize Winners

The door prize winners were Eran Agmon, Pat Bailey, Harold Buckle, Clay Chan, Wilson Chan, Jan Mitchell, Stuart Miyasoto, Vincent Monaco, Jerry Nako, Ryan Ogasawara, Henry Ohiro, Young Pack, Richard Schumann, Dan Schwarz, Chuck Strain, Alvin Sunahara, Dennis Teruya, Adam Tay, Pete Wokoun, Gregory Wong, Aaron, Yeu and Myron Yamaki.

We had a great time and look forward to bringing the ACES Show to the Far West again. Ω

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## New CD-ROM from Times Microwave

Times Microwave Systems has just released the ninth edition of its popular **CD-ROM**. This new CD includes several new and updated brochures and catalogs including the just-released tenth edition of the **LMR® Wireless Products Catalog**. It has the latest updates to the LMR® product line including the T-Rad

The Times Microwave Systems **CD-ROM** features an easy-to-use menu for navigation

within each catalog.

Also included are several invaluable 'how-to' connector installation videos to assist users of **LMR®** low loss coaxial cable products. It also has two handy **calculators** for determining both coaxial cable attenuation and conversion of VSWR-to-return loss.

Please contact your local Times distributor, Alster Communications or the factory for your copy. Ω

## Speaker-Mic with Lights by Otto

Otto Communications announces the new **Lightsword** Speaker Microphone. This new product features two LED lights adding new functionality to the traditional speaker microphone.

**Lightsword** integrates two super bright LED's into the front cover of an Evolution style speaker-mic. This provides handsfree illumination of the immediate area with the flip of a switch.

**Lightsword** can also be used as a mini flashlight when removed from the lapel and used by hand.

Obviously, **Lightsword** is not designed to be a replacement for traditional service flashlights, but does offer the convenience and safety of an auxiliary and back up light source incorporated into the very popular

Otto Communications speaker-mic.

Each of the LED's are 30 degree beam-width, 4600 mili-candela super bright lights. Because they are LED's, their current draw is very low. In fact, one hour use of the LED's had been tested and compares to about one minute of transmit time. Your results will vary on battery size and condition.

Durable design and construction meet MIL-STD-810 blowing rain. The design is protected by US patent 6315425.

The **Lightsword** is ideal for many applications including fire, police, military and industrial applications.

For a demonstration of this or any other Otto Communications product, please contact your local dealer or Alster Communications.  $\Omega$



**Lighted Speaker-Mic**

## PCTEL - Antenna Specialists - New Products

We just returned from product training at PCTEL. The new A/S still have the "Elastomer" spring antennas that reduce vibration and noise products and their popular transit and railroad antennas. They still have the best "On-Glass" antennas in VHF, UHF and 800 MHz. They still have the Cellular "In-Building" repeater kits.

These repeater kits have added a few in-building coverage antennas as well as a few donor yagi antennas. Finally, they still have the positive male/female connection between base and an-

tenna at 800 MHz for NMO mount antennas.

Antenna Specialists has introduced some new products including their GPS Multi-Band antennas for cellular/pcs frequencies. These are great for taxis, buses, public safety and fleet management.

They also have the "Shark Fin," most often seen on BMW's, which is a tri-band or quad-band cellular/pcs/GPS antenna.

We are pleased to have Antenna Specialists back and will work with our distributors to stock the antennas you need. Call us.  $\Omega$



*So - What kind of products did we pick up with Antenna Specialists?*

## COW or COP - Your Choice For Deployment

The Cellular/PCS industry created a demand for cell-on-wheels to support emergencies and large sporting events and conventions. In an emergency or large activity, the need for additional channels of communications is immediate and necessary.

### SunWest

SunWest manufactures COW's and COP's (Cell-on-Platform) for use by the licensed cellular/pcs carrier as well as emergency agencies.

The COW/COP satisfies the need for quick deployment of communications channels by offering a telescoping antenna mast, generator, enclosure for radio equipment and batteries and outriggers to stabilize the unit (COW).

If you have a need for quick and easily deployed emergency or additional communications, give us a call and let us provide a quotation for your needs. The product is currently in use at several sites in our area.  $\Omega$



**Cell-On-Wheels**

## UHF Super Booster II Beta Site in Hawaii

Alster Communications is pleased to announce that the Ala Moana Shopping Center, Honolulu, Hawaii, has selected the TXRX Systems UHF Super Booster II.

The Ala Moana Shopping Center, a very popular destination to tourist and residents alike, was having difficulty communicating with its security force within the concrete parking structure.

Pacific Wireless Communications, dealer in Honolulu, worked with the customer and showed them several solutions, one of which was TXRX.

The Ala Moana Shopping Center chose TXRX Systems because of performance and price.

The UHF Super Booster II is currently receiving FCC Type-Acceptance, which is just around the corner. This product uses more efficient amplifiers than our old product and much more efficient amplifiers than our competitors. This gives the user more through-put power.

The rise time of the amplifier is hundreds of times faster now and especially useful in digital paging or P-25 systems.

Finally, the new Booster is smaller and lighter than the old one and it is less expensive. So you have an 800 MHz or UHF in-building coverage application, please let us help you design a system that will fix the problem once and for all. Ω



Super Booster II

## PCTEL - Maxrad - New Products

At our training last month, Maxrad introduced the "Shaped Beam" panel antenna. Available in 2.4 to 2.5 GHz the engineered design allows installers to shape the beam for coverage needs.

### 4.9 to 6.0 GHz

Maxrad is reponding to the new public safety band of 4.9 GHz. They have introduced wideband parabolic dishes, in-building omni-directional antenna, outdoor, omni-directional antennas, elevated feed mobile antenna, indoor and out door

directional panel antennas, ceiling mount antennas for omni and directional (hallways) applications and portable blade antennas.

All these antennas cover 4.9 GHz to 5.85 GHz and most will spread up to 6.0 GHz. So, if you have an opportunity to deploy equipment in the new available band, Maxrad is the choice for you.

### In - Building Engineering

Maxrad now has lots of experience in designing in-building coverage at WiFi frequencies. Let us help you. Ω

*So - What kind of new products has Maxrad developed?*

## What Do You Really Know About Project 25?

Project 25 is a public safety communications standard dedicated to ensuring interoperability in communications. It is designed to ensure fast and secure communications between local, state and federal agencies when protecting the public's welfare.

The Project 25 standard organization is comprised of the Association of Public Safety Communications Officials (APCO), the National Association of State Telecommunications Directors (NASTD) and the U.S. Federal

Government. The Telecommunications Industry Association (TIA) offers manufacturers representation in the standard's creation and modification.

If you want more information on P-25, please go to:

<http://www.p25.com/wpaper.asp> or  
<Http://www.p25.com/testtech.asp>

Or just give me a call. Ω



**Project 25**  
**Everyone Can Play**

## Larus T-1 Timing Products

A new product line for Alster is **CXR/Larus** timing products. They provide a consistent source of timing alignment (synchronization) for digital networks. Should the principal network timing source be lost, the CXR/Larus unit provides an alternative synchronization reference until the principal source can be restored.

### Stratum Levels

This process is called operating in the "holdover" state and has various levels of accuracy. These levels are referred to as "stratum levels." Stratum 1 is the most precise, followed by Stratum 2, Stratum 3E, Stratum 3, and finally Stratum 4. Stratum 4 has no holdover mode and is the least precise.

All CXR/Larus Timing products offer Stratum 3E stability, or better, and all are available with options that meet or exceed Stratum 1 standards.

### OR/WA ITA

Alster will be exhibiting at the Oregon/Washington ITA Show on early March 8 and 9, 2005 in Portland. Both CXR/Larus and Alster will have a table to display various products. CXR/Larus will be displaying their timing product and we'll be showing Acterna and our other equipment.

If you are a member of the ITA, please come and join us in Portland.

### ACES 2005

Our tentative dates for ACES 2005 are Tuesday, October 4 in Salem; Wednesday, October 5 in Issaquah; and Thursday, October 6 Anchorage.

We will have technical seminars and an exhibit area. Please call me for more information.  $\Omega$

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