January

Winter '07

Alster News

ACES Coming to Hawaii - Feb. 8

In This Month's Issue

The Alster Communications Electronic Showcase 2007, or ACES, is coming to the Ala Moana Hotel on Thursday, February 8, 2007. Please mark your calendars and plan on attending.

Seminars

We will present technical, application based seminars on Interoperability, Care/ Feeding of Replacement Batteries, EDACS and P-25 radio service, In-Building RF Design (including leaky cable and antenna choice), Transmission line sweeping/test cables and Wi-FI to WiMAX to MESH.

Exhibits

In addition to the six seminars we will show the latest products by Aeroflex, Bird Electronics, Gabriel microwave antennas, JPS Communications, Multiplier batteries, New Communications Solutions, PCTEL/ Maxrad/Antenna Specialists, SunWest Engineering, Survey Technologies, Times Microwave, Trident MicroSystems, Valmont Communications and Watson Dispatch Furniture.

Free Lunch

Besides the technical seminars and exhibit area, we will serve a free lunch to everyone attending.

The Aeroflex Booth
ACES 2006 - Boise

Free Door Prizes

Finally, each factory will provide free door prizes. You have to be in the exhibit area to win.

Register Today

There are three ways to register. You can use the enclosed form and fax or mail it in. Or you can go to www.alster.com and fill out the form on the first page and submit your registration.

We are looking forward to our second ACES in Hawaii. Call for more informatin. Ω

Gabriel Microwave Dishes - In Stock

When you need a Microwave Dish, where do you go? Andrew? Why not give Gabriel a chance.

In Stock Promise

Gabriel has selected several popular grids, standard and high performance dishes in 2.4, 6, 8, 11 and 15 GHz to keep in stock for immediate shipment. Gabriel is also available through national distributors.

Configure an Antenna

Gabriel also makes it very easy for you to choose an antenna. Just click on this:

http://www.gdsatcom.com/configure.html

Please contact your local distributor, Gabriel or me to configure and price your next microwave grid, dish or HP dish. Ω

JPS - Wide Area Interoperability System

The JPS Wide Area Interoperability System (WAIS) is a proven means to efficiently and affordably parlay your existing LMR and IT infrastructure to provide an effective solution utilizing the field proven ACU-1000 platform, our Radio Over IP (RoIP) and Voice Over IP (VoIP) capabilities and the scalable WAIS controller software.

WAIS allows you to network any number of ACU, NXU or ARA technologies across an IT backbone to provide countywide, regional or statewide interoperability. Our design provides system redundancy through distributive design and supports system backhaul and operability utilizing the migration of LMR and IP. JPS provides system design, management and installation services and support. Our systems engineering staff has the experience to provide complete radio communications and IT integration support. Unlike other network-based interoperability solutions, a WAIS system is based upon the use of a number of standalone Local Interoperability Systems (LIS) utilizing the IP based ACU gateway switch along with our NXU VOIP/ROIP technologies. Our design provides scalability, reliability and eliminates the possibility of a single point of failure of your interoperability capabilities due to network disruptions or failures.

The ACU technologies provide additional redundancy by being neither computer nor network reliant for their continued operation. Wide area applications can exist of any combination of fixed, mobile or field deployed tactical systems. Ω

Raytheon/JPS WAIS System

PCTEL - Significant Wi-Fi Price Reductions

PCTEL announced in December that they have reduced the prices on several of their popular 2.4 GHz Wi-Fi antennas. By working with engineering and manufacture ring, PCTEL was able to reduce costs.

Low Price Examples

Product	Old List	New List
MFB24004	$105.88	$50.82
MFB24008	$158.64	$68.00

As you can see, there has been a dramatic price reduction. We encourage you to contact your local dealer, distributor or use and let us provide a quotation for your antenna needs.

New Omni 5.1 GHz

The **MM058000 series** of broadband base station omnidirectional antennas cover frequencies from 5.1 to 5.85GHz for applications including WiFi, WiMAX and Public Safety. They are U.V. stable and have a plastic radome with an aluminum base that is ideal for indoor and outdoor applications. The antenna is available in 3 different gain options 4 dBi, 7 dBi and 10 dBi. Ω

PCTEL reduces pricing on 2.4, 4.9 and 5.8 GHz antennas an introduce a new Omni series

SunWest Engineering - Cell On Wheels/Trailer

SunWest Engineering manufactures a variety of communications cabinets and places them on a:

SKID

Cabinets sizes from "4-bay or rack" to "10-bay or rack" are available and can installed on a skid. The skid allows larger cabinets to be place more permanently, but still take advantage of a temporary permit process. These Cell-On-Skid put a site on the air while construction of a permanent shelter is underway.

TRAILER

The Cell-On-Trailer allows for quick deployment of a semi-stationary communications site for large events.

TRUCK

The Cell-On-Wheels allows for quick deployment of temporary communications as needed. Their customers include AT&T, Cingular, NexTel and Verizon. Ω

SunWest Cell-On-Wheels

Aeroflex 3500 - Take It For A Test Drive Today!

Aeroflex is pleased to announce the availability of the 3500 Handheld Radio Test Set. Introduced at the 2005 IWCE Show, the 3500 was designed for Military vehicle radio installation testing and adapted for commercial and public safety use.

The 3500 is capable of measuring high power, up to 200 W, as well as fault finding for antennas, power amplifiers and interconnects. It is designed for ease of use, portability, reliability and long service life. The 3500 may also be used for bench testing in the General Communications environment. Power is derived from an internal battery, which allows 6 hours intermittent use and 4 hours continuous use before recharge. For DC input, the DC IN Connector is provided for battery charging, bench operation or servicing.

The 3500 offers RF Receiver Testing up to 1 GHz bandwidth, AM, FM, frequency and level measurements; RF Generator Testing up to 1 GHz bandwidth, AM, FM, 1 kHz/150 Hz and external modulation sources; RF Power Meter with 20 Watt intermittent duty cycle and 200 Watt with an external attenuator; VSWR measurements.

Each function is clearly displayed on the large LCD Display with user adjustable Backlight and Contrast.

To set your demonstration of this exciting new products, just give me a call. Ω

Aeroflex Hand Held 3500 Radio Test Set

Multiplier Batteries - For Kenwood / Motorola

High Capacity Batteries

Multiplier is introducing another set of high capacity batteries for Kenwood and Motorola radios.

Kenwood

For the TK-2140/3140, TK-2160/3160 and TK-2150/3170, Multiplier has introduced the MKNB-25LX. This is a Lithium-Ion battery with 2600 mA. A battery of this size is not even available from Kenwood - so use Multiplier for longer life.

Motorola

For the XTS-1500, XTS-2500 and PR-1500, Multiplier has introduced the M9815 (1700 mA), M9858 (2100 mA) and M9858X (2700 mA). The M9815 is Ni-Cad and the M9858/X are both Ni-MH.

The 2100 and 2700 mA Ni-MH battery is not availabe from Motorola. So if you need more talk time, use these high-quality Mulitplier batteries.

These batteries are available through your local dealer, distributor or direct. Ω

Multiplier has batteries in stock for immediate shipment

Components/Monopoles/Towers - We Have Them

When you need to support an antenna at a new or existing site, we can help.

Components

If you need to attach an antenna to an existing building, monopole, rooftop or tower, Valmont Structures (including Microflect in Oregon and PiRod in Indiana) provides every component you could need to keep the antenna pointed in the right way.

Monopoles/Towers

Over the years, certain guidelines have come into play when choosing a structure to support antennas: from 20 to 80 feet, a laminated wood structure is inexpensive and does the job; from 60 to 120 feet, a steel monopole is a better choice; from 100 to 200 feet, a three or four legged tower is the ticket and from 200 to 1,000 feet a guyed tower is the way to go.

For help in the design of your next structure, please call Valmont or me. Ω

Laminated Wood Pole for Cellular/PCS

Happy New Year - 2007

We trust you had a very nice Holiday with your family and friends. The folks of Alster did a little work, a little eating and enjoyed fellowship with our families.

Alster Communications, LLC wishes each of our customers a very Happy New Year. We will see our thirty-first year of operation, thanks to you.

Choosing Our Products

Without you choosing our products, we wouldn't be celebrating a Happy New Year, or this milestone of business. Therefore, we thank you for continuing to choose the products representated by Alster.

So thank you for calling on us and giving us an opportunity to serve you and help solve problems.

We will work for you and be your advocate to our factories in 2007. If you need anything, please give us a chance.

ACES Hawaii 2007

The second Hawaii ACES will be held February 8, 2007, in Honolulu. Come join us for some fun and training.

ACES October 2007

We will hold our 2007 ACES the first week of October at the following locations:

Salem, Oregon

Isaaquah, WA

Anchorage, AK

See you there! Ω

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