

# Alster News

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## DPH - 136 to 174 MHz

Fire season is here again and so is the need for digital portable radios.

### Fire Certified

In April, RELM Wireless announced that the National Interagency Fire Center (NIFC) has approved the DPH5102 digital portable radio for use in wildland fire suppression activities. The DPH5102 is a 5 watt, 400 channel portable radio that complies with the standards set by Project 25, which requires radios to work in both analog and digital radio systems. All 400 channels in the DPH5102 can be programmed to operate in either mode or to automatically recognize and respond in the appropriate mode.

The DPH5102 is available through Department of the Interior Radio contract #NBC 030003 and GSA Schedule GS-35F-0133L.

### 136 to 174 MHz

Some federal agencies require their radios to cover 136 to 174 MHz. To accommodate this demand, BK Radio will begin shipping the 136 to 174 MHz DPH portables in mid-August.

### DES/AES

BK has also announced that they will



### BK Radio 136 to 174 MHz DPH

start shipping DES equipped radios in the month of August. Also, DES can be refitted to existing DPH portables.

### Digital Alignment

Now that these digital radios are being used, you will need to work on them. There is no better choice than the Aeroflex 2975. It is a completely digital design (unlike our competitor) and can be upgraded from the web. For the latest upgrade just go to:

<http://www.p25.com/2975upgrade.asp>

or call me with your questions.

Ω

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## Aeroflex 2975 Upgrade 1.8.2

Aeroflex continues to offer free upgrade to their popular 2975 digital service monitor. For a complete listing of the upgrade package please go to the following website:

<http://www.p25.com/resources/2975v1-8ReadMe.txt>

This will describe all of the improvements, which include Spectrum Analyzer

functions, C4FM modulation fidelity, Auto-Tune and TX BER testing.

If you are a current user of the 2975 and want to download the new upgrades, just visit this website:

<http://www.p25.com/2975upgrade.asp>

Please call me for demonstration or quotation requirements for the 2975.

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## Microwave Repeaters by Peninsula

Peninsula Engineering takes pride in providing highly reliable cost effective solutions that require very low power to operate. Each Microwave RF Repeater is housed in a watertight cabinet that can withstand temperatures from -40C to +60C. That is why Microwave RF Repeaters are installed all over the world in over 30 countries and with over 235 customers.

### Low Power Consumption

Because of low power consumption, high reliability and the elimination of the requirement to build a separate environmental shelter -- Peninsula Engineering Solutions Repeaters are ideal for national forests, mountain tops, deserts, all types of isolated, rugged landscapes that are not easily acces-

sible by either road or power lines.

Repeaters only require 25% of the power consumption of microwave radios so they are much more cost effective in remote areas (eliminates 75% of the solar panels that would be required for back to back Microwave radios). It is easy to see why Microwave RF Repeaters are seen as the perfect solution for links in remote, hostile terrain.

### Wide Frequency Options

Peninsula offers the world's most complete line-up of products for your needs. Take a look at these frequencies: 1.5 GHz, 2 GHz, 4 GHz, 4.5 GHz, 6 GHz, 7 GHz, 8 GHz, 11 GHz, 13 GHz, and 15 GHz.

When you need "path enhancement" for your existing microwave, call me. Ω



Peninsula Repeater Site

## VoIP Testing by Acterna - HST-3000 or DA-3400

The HST-3000 is used for basic turn-up and troubleshooting of VoIP deployment, supporting physical layer analysis through packet metrics, signaling analysis and voice quality determination. HST-3000 capabilities allow packet capture of live VoIP calls, including VoIP call storage and an integrated FTP [spell out] capability to send captured VoIP calls to be analyzed by Acterna's PVA-1000 software.

The HST-3000 combines cop- per, voice and data service testing features with unparalleled process

automation capabilities in a lightweight, battery-operated unit.

### DA-3400

The DA-3400 is an IP network troubleshooting and data analysis platform. The DA-3600A is the industry's most powerful analyzer of wire-speed performance up to 2.4 Gbps. The DA-3600A has real-time and historical analysis of data/IP traffic identifying the root cause of problems in complex, multi-application data networks. Please call. Ω



*Acterna has used and demo equipment that has been refurbished. You can get new quality at a used price.*

## Maxrad - 2.4 GHz Antennas FCC Approved

MAXRAD is proud to announce that the XtremeWave™ MSO24014NF all terrain sectorized omnidirectional and WISPerformance™ directional panel antennas are now FCC approved with smartBridges' airBridge Outdoor and airPointPro Outdoor range of high performance 2.4 GHz, 802.11b compatible radio products.

The XtremeWave™ flexible 13 dBi and 18 dBi and our XF WISPerformance™ 13 and 18 dBi antennas are available through

our distributors (CB Distributing, Frigid North, Hutton, Talley and Tesso).

### Wireless Acronyms

Do you know your Wireless Acronyms? Here are some that should help you: spread spectrum transceivers (SST), wireless access points (WAP), wireless Ethernet bridges (WEB), wireless internet routers (WIR), wireless local area networks (WLAN) and wireless modems (WM). Please call me for a discussion regarding antenna coverage. Ω



XtremeWave Antennas

## Dispatcher - Support From Everywhere

Alster Communications has five factories that support dispatchers:

**Bergvik** - raised flooring to support you from way underneath. The flooring allows cabling to enter the console area from below and has wood, tile, linoleum and carpet tiles. Available through your local dealer or direct.

**Concept Seating** - 24/7 dispatch chairs to support you from underneath and behind. Available in mid and high-back chairs. They come with a six year warranty. Available through your local dealer or direct.

**Otto Communications** - telephone and radio dispatch headsets. Replaces SHS 1890 Plantronics headset. Available

through your local dealer or direct.

**Shelby & Company** - accessories to support your feet, arms, monitors and chairs. Feet warmers and support, replacement arms for dispatch chairs, supports for flat screen monitors and many others. Available direct.

**Watson Dispatch** - Full dispatch console furniture with powered keyboard and work surface lift. Total Comfort System includes filtered air fans, light dimmers, light switches, heater control and control of the powered keyboard and work surface. Available through select dealers and direct.

Please call me for analysis or demonstration of these products. Ω



Watson Synergy

## Microwave Dish Antennas from Gabriel

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. (Please contact me for a list.)

### Configure an Antenna

Gabriel also makes it very easy for you

to choose an antenna. Just click on this:

[http://www.tripointglobal.com/config\\_two.html](http://www.tripointglobal.com/config_two.html)

All you need to do is answer the questions and the computer will help you choose the right antenna. What could be more simple?

### Competitive Pricing

Finally, Gabriel is very competitive. So next time you need an antenna, call me. Ω

*Gabriel has low prices, helps you choose the right antenna on their web page and has them in stock*

## Multiplier Provides New ICOM Battery

Multiplier announces three new batteries for the new IC-F3/4 ICOM product line. They now provide the MBP-196 with 1100 mA, the MBP-196H with 1650 mA and the MBP-196HX with 1800 mA.

The MBP-196 uses Ni-Cad battery cells where the MBP-196H and HX use Ni-MH battery cells.

### Highest Performing Cell

Multiplier has consistently used the highest performing battery cells in all of their

products. This is not the least expensive way to go, but it provides the end user with the longest lasting battery under actual use conditions.

### Made in USA

These batteries are made in the USA. Sure, the cells come from overseas, but the case materials are made, fitted and seam welded in New York. You can buy with confidence when you buy Multiplier. They ship 99% of their orders within 24 hours. Ω



Multiplier Icom and Motorola batteries



## T. Elliott/Tober - Rep salesperson - passes

T. Elliott/Tober, rep salesperson for Arva-Hudson from the early 1980's to the mid 1990's, passed away last month due to heart issues. Her funeral was held in Kent, Washington, July 21 and attended by many in the wireless industry.

area at our "ACES Show." Our mainland ACES dates and locations have been set as:

- Boise, ID - Monday, October 4
- Helena, MT - Wednesday, October 6
- Spokane, WA - Thursday, October 7

### **National APCO**

The National APCO will be held August 8-12, 2004 in Montreal, Quebec, Canada. This will also include seminars for dispatchers, supervisors and technicians. You can check out this show by visiting their web site at [www.apcointl.org/conferences/](http://www.apcointl.org/conferences/)

### **ACES Hawaii 2005**

The "ACES Show" will be coming to Hawaii on February 3, 2005. It will be held at the Ala Moana Hotel and Convention Center.

For our Hawaii customers, you will be given plenty of notice of what technical seminars will be provided and who will be in the exhibit area. For more information on any ACES Show location, please call me. Ω

### **ACES 2004**

Each year, Alster Communications provides technical seminars and an exhibit



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