Long-range, high-speed, industrial wireless IP/Ethernet Modem coming this fall

THE NL900S IS A LONG RANGE, HIGH SPEED, INDUSTRIAL WIRELESS IP/ETHERNET SOLUTION. It allows customers to bring business information over Ethernet or a serial gateway and onto corporate networks. This includes mission-critical, revenue generating data from fixed assets such as oil and gas wells, compressor stations, pipelines, fluid storage tanks and utility meters. It also enables portable network access for vehicle based operation.

The NL900S will use Frequency Hopping Spread Spectrum modulation, where the units "hop" from frequency to frequency many times per second using a specific hop pattern applied to all the transceivers in the same network. A distinct hopping pattern is provided for each Channel Number, thereby allowing multiple networks to coexist in the same area without interference.

Additionally, the NL900S could be of benefit to RadioMobile and its vertical markets. Employing RadioMobile's radio network control products would allow a pure digital cellular type network to be constructed. This infrastructure could provide wide area mobile data services such as Voice Over IP, Data and Video.

Why use an RF Neulink NL900S Wireless Networking Solution?

• *Longest Range unlicensed 900 MHz product in its class*

• *Future proof. We use open standards architecture design, and upgradeable firmware to ensure customer investment protection over the long-term.*

• *The NL900S incorporates a Software Defined Radio (SDR) ensuring reliability and radio transceiver upgrades.*

• *Secure wireless operation with multiple layers of protection, including 900 MHz FHSS physical layer and 128 bit data encryption.*

• *Flexible. The NL900S supports multiple users connecting to multiple applications via multiple protocols on the same NL900S or the same network simultaneously! This includes, streaming video, Voice Over IP and data.*

rfneulink
making RF the strongest link

Meet the Mind Behind the Products

Bob White leads the research and development team that has created the most recent series of products for RF Neulink. Bob is a pioneer in the development of wireless communications products and systems for commercial, public safety, utilities and transportation markets. He brings with him expertise accumulated from 30 years of management in the wireless field, including two startup companies. His Bachelor's degree in Electrical Engineering and Post Graduate work in Missile Control Systems at MIT put a unique set of skills at your disposal.

Bob White
Director of Sales and Marketing
for RF Neulink

CONNECTING THE WORLD

WORSWICK — Expands Website
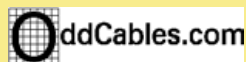

WORSWICK INDUSTRIES EXPANDS ITS ODDCABLES.COM WEBSITE. With the proliferation of electronic equipment, variety and demand for cables has exploded. Since the majority of customers use the web for product search and sourcing, Worswick Industries offers solutions with OddCables.com. The website provides product information, education and news relating to computer, coax and audio/video cables. In addition to a vast product search capability, the easy shopping cart feature allows any of the products to be purchased online.

Worswick Industries fabricates standard and custom cables for audio, phone, video, S-video, XLR, VGA, RFG, DVI, HDMI, RF coax, 3.5mm, RCA, Fiber optic, CAT5/6, computer, USB, FireWire, SCSI, KVM, serial, parallel, and networking applications. In addition to cable assemblies, Worswick offers installation and assembly tools, wire management products and accessories. New products will continue to be added and displayed on the OddCables.com website.

Contact Worswick Industries at (888) 265-2941 or www.OddCables.com.

AVIEL — Limited Space Applications

AS WIRELESS ELECTRONICS REDUCE IN SIZE, THE DEMAND FOR SMALLER COMPONENTS INCREASES. Aviel Electronics, a division of RF Industries, designs and fabricates small, space-saving connectors in various series. Available in straight, right angle, PCB mount, bulkhead mount, surface mount, snap-on, edge-mount, screw-in, press-on and solder-in configurations, these small connectors can be fabricated from brass or stainless steel and can be gold plated or passivated.

With sizes ranging from SMA and smaller, options include hermetically sealed connectors and non-magnetic materials. Cable assemblies can be provided to incorporate these small connectors into your system.

Aviel Electronics designs and manufactures custom RF connector and adapter solutions.

Call (877) 805-7381 toll free for more information or to discuss your custom interconnect applications.

ANSWER: Eddie Rickenbacker

Edward Vernon Rickenbacker (October 8, 1890 – July 27, 1973) was an American fighter ace in World War I and Medal of Honor recipient. In 1927, Rickenbacker bought the Indianapolis Motor Speedway, which he operated for nearly a decade and a half before closing it down due to World War II. Rickenbacker oversaw many improvements of the facility, such as banking the curves to enable better and safer turning.

RF INDUSTRIES: In the News

RF Industries was designated as one of the "200 Best Small Companies" in the United States for 2007 by Forbes magazine.

RF Industries was named to the "Technology Fast 50" list of 50 fastest growing technology companies in San Diego by Deloite LLP in 2007.

INSIDE **RF** INDUSTRIES

Published Quarterly — Linda Heida, Editor.
Please contact us for more information on any product or service.

You can also read an interview with RF Industries President and CEO Howard Hill and CFO James Doss in the May 19, 2008 issue of The Wall Street Transcript.

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RQA-5010-8X

OUR SOLDERLESS RIGHT-ANGLE QMA CONNECTOR REDUCES INSTALLATION TIME. Traditional right-angle connectors require soldering the center conductor, which increases the difficulty of field installation and the time required. RF Connectors division of RF Industries produces a solderless right-angle QMA connector, part number RQA-5010-8X. The QMA series connector is similar to the SMA internal configuration with a snap-on interface that allows mating and un-mating without the use of tools. The connector features a sliding snap-lock mechanism that works by sliding the shell back and releasing to lock both connectors in place. After mating, QMA connectors can be rotated 360°. Designed to mate with all QMA jacks, they offer good electrical performance up to 6 Ghz.

The RQA-5010-X connector terminates .240 inch diameter high-performance, low-loss cables: Times Microwave LMR-240®, Andrew Cinta CNT-240®, CommScope WBC-240®, or Belden RF-240®. All of RF Connectors's QMA series feature tri-metal plated brass bodies, PTFE insulation, spring copper alloy outer contacts and gold-plated inner contacts.

RF Connectors brand connectors are available through RF Industries or through fine distributors throughout North America.

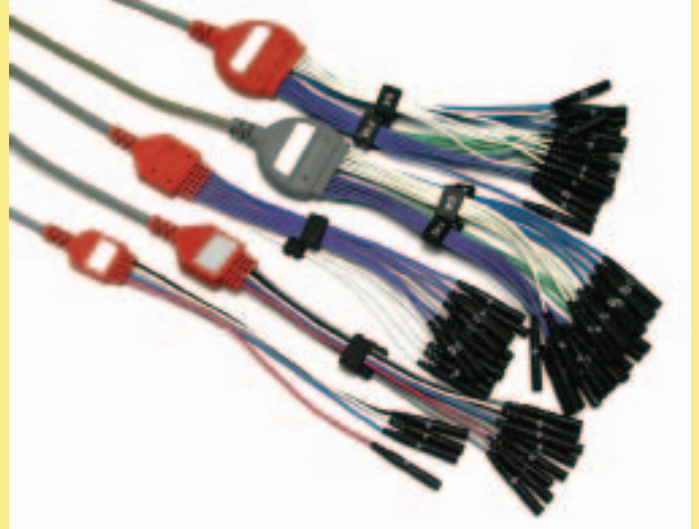## RF CABLE ASSEMBLY — High-Performance, Low-Loss, Custom-Fabricated Cable

Cable Assemblies for LMR®-400

TODAY'S WIRELESS COMMUNICATION SYSTEMS REQUIRE HIGH PERFORMANCE RF CABLE ASSEMBLIES built to custom lengths using a variety of connectors. RF Cable Assembly, a division of RF Industries, fabricates custom assemblies with Times Microwave LMR®-400 high performance low loss cable. Assemblies are available in lead-free RoHS compliance upon request. Custom lengths from 4 inches to over 400 feet are available. Connector terminations include Male or Female N-type, 7/16 DIN, TNC, BNC, and SMA. Connector materials are generally silver or tri-metal plated machined brass bodies, PTFE dielectrics, and silver or gold plated contacts.

BIOCONNECT — Atrial Catheter Cables

Atrial Catheter Cables Available in 4, 10, 14 and 24 Lead Configurations.

BIOCONNECT, A DIVISION OF RF INDUSTRIES OFFERS AN EXPANDED LINE OF SHIELDED ATRIAL CATHETER CABLES for use with medical diagnostic equipment. The flexible, multi-conductor, low capacitance trunk cables are double shielded to reduce EMI-EMF triboelectric noise and are available in various lengths to meet customer requirements. The trunk cable and shielded leadwire jackets, yoke and stain reliefs are made of Santoprene®, a TPR material. Leadwires, shrouds and yokes are available in multiple colors. Cables can be terminated with various device connectors and will withstand repeated 100% steam autoclave, gamma and ETO sterilization. The cable assemblies meet DIN 42802-1 and IEC 60601-1 sub 56.3(c) specifications and all applicable AAMI/AMSI EC-53 performance requirements.

MCT-8000

RadioMobile, a division of RF Industries, designed the MCT-8000 for the demanding environment of vehicle operation. The two-piece rugged processor/display combination utilizes all off-the-shelf components for ease of upgrade or repair. The processor runs at 1.3 Ghz and uses heat pipe technology for fanless operation. The display head is a 10.4 inch wide array with a variable brightness touch screen and built-in speaker. Made of metal, the front is simple and sized right for tight installations using U-bracket or ball and mount as shown. RadioMobile can supply larger displays.

RadioMobile's applications run on Windows 2000, NT, XP or Vista. The IQ Router application interconnects the customers' selected network(s) with RadioMobile's IQ Mobile application or other third party applications. Additionally, the IQ Router operates customers' multi-data speed environments by configuring the modem for the in-range system. The IQ Router also controls GPS reads and routing via the wireless connection or via the Mobile application.

RadioMobile is a provider of affordable end-to-end mobile wireless network solutions for public safety, emergency medical, transportation and industrial customers.

Which famous WWI fighter ace also owned the Indianapolis Motor Speedway?

See answer inside.