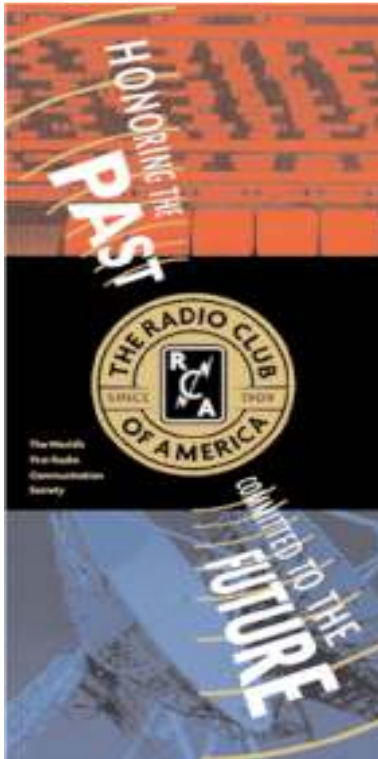




Radio Club of America

February 2010

Online



The Radio Club of America Online e-letter. All complete newsletters and articles can be seen on our website <http://www.radioclubofamerica.org/>

RCA Breakfast at IWCE

Are you going to IWCE? Why don't you plan to attend the RCA Breakfast at IWCE on Thursday, March 11th at the Las Vegas Hilton, from 7:00 AM to 8:30 AM. Join other RCA members and non-members and listen to the keynote speaker, Carole Perry discuss *Recruiting and Encouraging Youth in Technology*. A special Thanks to our sponsors who are [AECOM](#), [IWCE](#), [Mission Critical Communications](#), [Radio Soft](#), [RCC Consultants](#), [Schwaninger & Associates](#), [Tait Radio Communications](#), and [Urgent Communications](#). Where else can you have breakfast for just \$15 and enjoy the company of other RCA members? Why not bring someone with you who you would like to join the Radio Club. [Click here](#) for the reservation form. *Hurry* and register now, at \$15 a person; it will be \$20 at the show.

RCA Booth at IWCE

Please also stop by The Radio Club booth #8094 and say "hello". If you would like to volunteer for booth duty, please reply to Karen@radioclubofamerica.org when you would be available to help.

The Platinum Yearbook DVD now available to all members

The Radio Club of America is offering the Platinum Jubilee Yearbook in a DVD format, containing the first 100 years of material published by or written about The Radio Club of America, including all of the past *Proceedings and Yearbooks*, the Edwin A. Armstrong Book, plus a number of new articles, a historical overview, congratulatory letters, the President's Message, and so much more. One copy of the DVD is available to all members for just a donation of \$9.95 to cover the S&H costs; non-members pay \$19.95. And while supplies last, you will receive a commemorative crystal RCA box. To order, please click on this [order form](#) and fax, [email](#) or call the Littleton office at 303-948-4921.

The Maritime Radio Historical Society

The Maritime Radio Historical Society is going to host a very special event with the Marconi Conference Center in Marshall, CA on Saturday April 24, 2010. The Maritime Radio Historical Society will be operating our Coastal Marine Station KSM and amateur station K6KPH from the Marconi Center, just as the American Marconi Company, first operated their station when the facility was built. Details are still being developed. One idea is that there will be a special QSL issued to contacts or reception reports during that day. Details will be posted on their website, www.radiomarine.org.

-Bill Ruck, Maritime Radio Historical Society

Silent Key

It is with sadness that The Radio Club of America announces the passing of Herbert Hoover III on February 4th. Mr. Hoover was 82 years old and had been a RCA member since 1980. He became a fellow in 1986. He was the grandson of Herbert Hoover, the 31st President of the United States. [Click here](#) for more information.

Texas Event

Mark your calendars for Tuesday, April 27, 2010 for the RCA Texas Dinner at the Marriott Hotel & Golf Club at Champions Circle, in Fort Worth, TX. The function begins with a social hour and cash bar at 6pm in Ballroom A. Dinner will begin at 7 pm, and is open to members, guests and visitors. Advance Registration at \$50 per person is required. [Click here for the registration form](#). Please contact Carroll Hollingsworth at dhlagoo@aol.com if you are interested in sponsoring this event.

Radio Club Offering Course at Texas APCO

The Radio Club of America is now offering a course titled "An Introduction to Internet Protocol for Radio Personnel". The course is available in conjunction with the Texas APCO chapter, at the annual Texas APCO conference, April 28, 2010. The course was developed and will be presented by Richard P. Biby, P.E., a registered professional engineer, and RCA Director.

For registration, pricing and more details contact Texas APCO at <http://www.txapco.org/>.

Richard G. Somers Youth Education Fund

Have you been following the progress of the Richard G. Somers Education Fund? Great things are happening, but they need your help! The Richard G. Somers Youth Scholarship Fund has been established to encourage and support educational, technical, ham radio and activities of youngsters up to and including 12th year of school. Somers has contributed a substantial amount to this Youth Fund, and he now encourages others to contribute to this fund its sole purpose is to assist young people in expanding their



and interest in wireless

communications. This has long been a dream of Richard's," Carole Perry advises, "He and I have worked on several projects during the years to introduce technology/ham radio programs into the schools across the nation. Now, with the formation of the RCA Education Committee that is committed to supporting technical-educational activities for youth in grades 1-12, Richard's generous scholarship fund will play a key role in the realization of these goals."



Youth help! This to related Richard Education because studies

The most recent school to receive help from The Radio Club via this fund is the Lanatana Middle School in Florida. This school's program received \$500 and was very thankful for the help that the Radio Club and the Youth Education Fund gave him. Read more about this in the next Aerogram.

Carole continues to meet with school administrators and attend PTA meetings to promote technology programs in the schools.

Please consider a cash donation or your used equipment to the Richard G. Somers Youth Education Fund. Please send your cash donations to the RCA office and contact Carole Perry about the used equipment.

Barcelona Showcases the Mobile World Congress

As Vancouver hosts a gathering of the world's best winter sports athletes, the world's best in wireless gathered in the beautiful Mediterranean city of Barcelona, Spain on February 15-18 to collaborate, conduct business and experience mobility in action.

The past few years have been exciting ones for wireless, mobility, with the success of the iPhone revolution behind (the first smartphones without keypads and over 100,000 applications available for download), the focus is now on netbooks and iPads to compliment the roll out of the first wireless broadband 4G communications networks. This year, 2010, is the year for Mobile and should be just as attention-grabbing, if not more so, as a slew of new technologies, products and services affect what we carry and how we work and play.

Some hot trends will include:

- **Activation** – Mobile becomes a platform for applications, user engagement, a launch pad for Long Tail services and a marketplace for a plethora of application stores and developer ecosystems.
- **Interaction** – Mobile to access content and communicate with our friends, peers and wider social networks;
- **Conversation** – Mobile to connect with brands, and direct, anytime, anywhere, two-way exchanges between people and the companies that serve them;
- **Transaction** – Mobile for commerce and convenience, for browsing, shopping, buying, and customer service;
- **Transformation** – Mobile as the remote control of our lives and an extension of our "selves."

Next generation wireless or 4G is a big win for consumers as well as business, in that you'll be able to connect and work on the road as if you were in the office. While the technology works, the real challenge is in coverage. Actually, 4G wireless communications technology has already arrived – with initial launches in Baltimore or Portland, Ore. That's because these cities are the first two places in the U.S. to have service from Clearwire's Clear WiMax wireless network. In 2010 Clearwire is launching operations in dozens of other markets. Clearwire's goal is to be able to reach where 80 million people live or work. By the end of 2010, the network could reach 140 million people.

WiMax may be in the lead in 4G communications deployment, but the clear global competitor showcased in Barcelona: Long Term Evolution, or LTE, which offers slightly higher theoretical performance. In the U.S., Verizon, T-Mobile and AT&T are behind LTE, and the technology is being championed by most of the world's GSM and GPRS networks.

LTE is the network of choice for global carriers, because it is an upgrade of their present technology. This makes it easier to deploy. Look for LTE to become mainstream in most metropolitan areas of Europe and Asia next year. While each network has its own plans and rollout schedule, LTE trials and tests had begun in last year, with commercial operations possibly starting in late 2010. TeliaSonera, Scandinavia's largest mobile phone operator, should be the first with LTE operation in Oslo, late this year or early next.

T-Mobile, which is owned by Deutsche Telekom, has already held LTE trials in Germany but hasn't talked about when it intends to introduce the technology to the U.S. Verizon will be setting up trials and test markets later this year and plans a rollout by the end of the year or in early 2010. Meanwhile, AT&T plans to stick with its present HSDPA infrastructure until the end of 2010, when it will start building a 4G network.

The eventual choice for consumers will not be an easy one: Either get 4G in the form of WiMax when it comes to your area but sacrifice using it when you travel internationally, or wait a year or two -- or more -- for LTE.

The introduction of Apple's iPhone in 2007 has without question revolutionized the wireless world. The iPhone is now the benchmark for all smartphones, making Apple the most dominate and influential handset supplier in the world. While other market leading manufacturers including Nokia and Samsung strive to develop their own version of an iPhone killer, the trend is not to get the devices smaller, but getting smartphones smarter over the next two years.

For example, anyone who's been frustrated by the iPhone's lack of a "real" keyboard will love the phone screens coming over the next couple of years. While the current thumb keyboard won't be an endangered species, look for new phone designs that put the emphasis on touch.

Other new technologies will include better phone cameras. This spring, Sony Ericsson will start production on a camera module that will be able to snap 12.3-megapixel images. On a par with point-and-shoot cameras, the Exmor IMX060PQ cell phone camera module can capture ultrasharp 4,040-by-3,032 pixel images, as well as full 1080p HD video. No bigger than a thumbnail, the camera is also the smallest around. Meanwhile, rumor has it that Samsung will announce a 12-megapixel camera phone at the World Mobile Congress next week.

Sony is also working on a 20-megapixel module for the next generation of photo-ready handsets that should, according to the company, be available to manufacturers sometime in 2010. In fact, Ericsson has stated publicly that by 2012, it wants to have a [20-megapixel camera phone](#) on the market that would snap stills as well as do full HD video and connect to a 100Mbit/sec. wireless network.

So when it comes to wireless one thing is for certain: Life has forever been changed by the mobility its connectivity offers making our lives more enjoyable and productive in a connected world. And 2010 will be an exception year for the industry.

-By Roman Kikta

Do you know someone who isn't yet a member of the Radio Club of America? Click [here](#) for more information..Do you know someone who wants to sponsor an event at a trade show? Contact us!

✉ **We'd love to hear from you! Send your feedback to karen@radioclubofamerica.org or phone 303/948-4921.**
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