



NASB Newsletter

March, 2012

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Please note that most of the material in this issue of the NASB Newsletter has already been published on the NASB Facebook page (www.facebook.com/nasbshortwave). We invite you to check NASB's Facebook page regularly for up-to-date information about the NASB, our member organizations and shortwave radio in general.

NASB-DRMUSA Annual Meeting 2012

Speakers to include Dr. Dowell Chow (President, Adventist World Radio); Dan Robinson (Chief White House Correspondent, Voice of America); David Baden (Chief Technical Officer, Radio Free Asia); Adil Mina (Continental Electronics), Charlie Jacobson (HCJB Global); Betsy Henderson (Audience Research Director, Radio Free Asia); Thomas Witherspoon (Ears to Our World); AJ Janitschek (Radio Free Asia); Mark Allen (Antenna Products); Dr. Jerry Plummer (WWCR).

Special hotel rate and availability is guaranteed until **April 9, 2012**.

2012 NASB – DRM USA Annual Meeting

at Radio Free Asia headquarters – Washington, DC
May 10-11, 2012

Tentative Agenda

Thursday, May 10

9:00 am – Opening remarks by NASB, DRM USA and RFA officials

9:15 am – Technical overview of Radio Free Asia by David Baden, RFA Chief Technical Officer

9:45 am – Tour of Radio Free Asia

10:30 am – Coffee Break

11:00 am – Radio Free Asia Audience Research, by Betsy Henderson, Director of Research for RFA

12:00-1:00 pm – Lunch break

1:00 pm – DRM USA Seminars – Speakers will include:

Adil Mina of Continental Electronics and the DRM Consortium Steering Board, who will have the latest news from the DRM General Assembly in London which takes place in late March and the NAB Convention in mid-April, as well as the latest information about DRM receivers.

Charles Jacobson from the HCJB Global Technology Center in Indiana, who will provide updates on DRM conversion of HCJB's HC100 shortwave transmitters, DRM tests and evaluation with which HCJB is helping in Ecuador, the DRM diversity receiver project at LeTourneau University.

5:00 pm – End of DRM USA meeting

Friday, May 11

9:00-9:15 am – Official opening of meeting

9:15-9:45 am – VOA Reporter's Journal – by Dan Robinson, Chief White House Correspondent for the Voice of America (subject to preemption due to breaking news or presidential travel)

9:45-10:15 am – Media on the Move: Smartphone apps that help broadcasters and Engineers - by AJ Janitschek, Director of Program and Operation Support, RFA

10:15-10:45 am – Coffee Break

10:45-11:15 am – Dr. Dowell Chow, President of NASB member Adventist World Radio

11:15 am-12:00 pm – Shortwave for Good – Thomas Witherspoon explains his initiative for shortwave radio to support educational efforts worldwide

12:00-1:00 pm – Lunch break

1:00-1:15 pm – An Introduction to Antenna Products, NASB's newest associate member, by Mark Allen

1:15-1:30 pm – NASB Spanish Shortwave Listener Survey Results – presented by Dr. Jerry Plummer of NASB member station WWCR

1:30-4:00 pm – NASB Annual Business Meeting

4:00 pm – End of NASB meeting. (The newly-elected NASB Board members will have a brief meeting from approximately 4:00-4:30 pm.)

Conference Hotel – Although the meetings will be held at Radio Free Asia, the NASB has arranged a special hotel rate of \$99.00 per night (plus tax) at the Country Inn & Suites in Camp Springs, Maryland – just outside of Washington, near Andrews Air Force Base. This rate is for a room with one king-size bed. Rooms with two double beds are available for \$134.00 plus tax.

Those who are flying to Reagan National Airport in Washington can take the DC Metro system direct from the airport to the Branch Avenue Metro station, where a free hotel shuttle will pick you up and take you to the hotel. The hotel also offers a free hot breakfast and free high-speed Internet access. The hotel address is: 4950 Mercedes Blvd., Camp Springs, MD 20746. Telephone +1-240-492-1070. Fax +1-240-492-1089. The hotel's reservations line, which is toll-free in the US and Canada, is +1-800-596-2375. To get the special NASB conference rate, call the hotel and ask for the NASB rate when you make your reservation. You must guarantee your reservation with a credit card. Reservations can be canceled until two days before arrival with no penalty.

Most meeting participants will arrive on Wednesday, May 9, 2012 (since the meeting will begin at 9 am on May 10) and will depart on May 11 after the meeting ends in the afternoon, depending on flight arrangements. You can also make a reservation by e-mailing Ms. Ranak Patel, Director of Marketing at the hotel. Her e-mail is: ranak.patel@countryinns.com. If you have any problem making a reservation at the NASB rate, please contact Jeff White at radiomiami9@cs.com and we will help you make the reservation or make it for you.

Transportation from the hotel to Radio Free Asia will be possible by a combination of the free hotel shuttle and a low-cost Metro ticket to a station near Radio Free Asia.

Sponsorship – Sponsors are being sought for the Thursday and Friday lunches at the Annual Meeting. If your company would like to sponsor a lunch, contact Jeff White at radiomiami9@cs.com.

Biography of Stanley Leinwoll

Renowned shortwave engineer and frequency planner Stanley Leinwoll, age 85, passed away on 21 February, 2012.

Stanley Leinwoll was born in the Bronx, New York on November 30, 1926, to Polish Jewish

immigrants Sara and Leon Leinwoll.

Mr. Leinwoll attended City College of New York. There, he earned a degree in physics as the first in his family to earn a college degree. He continued with his graduate work in mathematics and physics at the Polytechnic Institute of Brooklyn.

After World War II, Mr. Leinwoll believed that there was a strong need for shortwave radio broadcasts, as shortwave signals are capable of reaching any location on the earth. He began his career with RCA Communications, Inc. as an office boy, where he met his mentor, John Nelson, who was experimenting with positions of the planets and their relation to broadcasting conditions. Mr. Leinwoll became fascinated with developing new methods of predicting ionospheric storms.

His 59 years in shortwave broadcasting include a six year tour, 1951-1957, as a propagation engineer with The Voice of America. In 1957, he moved to Radio Free Europe, where he was Radio Frequency and Propagation Manager. He served as U.S. Director of Engineering for Radio Free Europe/Radio Liberty from 1975-1993. During this period Mr. Leinwoll was responsible for scheduling, managing, and coordinating the frequencies for 53 shortwave broadcasting transmitters operating from five different transmitter sites in Europe. The goal was to make sure broadcasts got through to millions in Poland, Hungary, Czechoslovakia, Romania and Bulgaria during the Cold War.

Because both Radio Free Europe and Radio Liberty were heavily interfered with by more than 2000 jamming transmitters, it was necessary to develop anti-jamming techniques, which included saturation programming above the MUF (Maximum Usable Frequency), the highest frequency for which an ionospheric communications path is predicted on 50% of the days of the month. Another anti-jamming technique was twilight immunity – broadcasting to the target area on certain frequencies on which the skywave jammer cannot be effective for a given area because of its lower maximum usable frequency at that time.

In 1994, Stanley Leinwoll received the following letter from former President Bill Clinton: “Dear Stanley: On behalf of a grateful nation, I want to thank you for your service as an employee of Radio Free Europe/Radio Liberty. RFE/RL played a crucial role in the development of democratic forces in Eastern Europe and the former Soviet Union, and you contributed to its mission in many valuable ways. The world will feel the impact of your loyal service and your dedication to the cause of freedom for years to come. Thank you for your outstanding efforts.”

Stanley Leinwoll served on five United States delegations to major World Administrative Radio Conferences (WARCs) convened by the International Telecommunication Union, and was the author of 10 books, including “From Spark to Satellite,” a history of wireless communication published by Charles Scribner’s Sons; “Space Communications;” “Shortwave Propagation;” and “Understanding Lasers and Masers,” which was published in several translations.

For 38 years he served as technical consultant to a private sector U.S. shortwave religious broadcaster and NASB member, WYFR, whom he represented at High Frequency Coordination Conferences. In this capacity he was responsible for preparing the shortwave broadcasting schedules for 14 transmitters. The preparation of schedules entails the analysis and use of shortwave propagation predictions, choosing the best available frequencies from numerous data bases, and coordinating these frequencies with other shortwave broadcasters.

Mr. Leinwoll also acted as technical consultant to another NASB member station, WEWN, for 10 years from 1997 to 2007.

Stanley Leinwoll was a strong supporter of the idea of holding an HFCC (High Frequency Coordination Conference) in the United States -- a goal that was finally realized by the National Association of Shortwave Broadcasters (NASB) in 2011.

Joanie Leinwoll, Stan's daughter, adds this personal note: Aside from being a world expert in Shortwave Propagation, he was a true family guy. He was married to my mom for 60 years, was an incredible father to me and my sister Laura and a madly in love grandfather to his four grandchildren, Ellice, Alexandra, Jesse and Rachel. He had a great sense of humor, was always going for the laugh, and he loved playing practical jokes on people. Back in 1977 I was in the recreation room of our New Jersey home with some friends, and smoke began to billow over the doors. "It must be your father playing a joke," said one of my friends. In fact, this time it was not a joke; our house was on fire. After that, my father wrote a book called, "So You Think You're Covered? A Consumer's Guide to Home Insurance." He also loved hobbies, and some of his other books were hobby based: *The Book of Pets*, *Candles and Candlecrafting*, *Plasticrafts*, and two cookbooks. As my mom said, "We cherished our time with him. He is, always and forever will be, our beloved hero."



Stanley Leinwoll

Tribute to Stanley Leinwoll

by Dan Elyea, Engineering Manager, WYFR

Stanley Leinwoll: I first heard his name during the early 60s, while studying a unit on shortwave propagation. For our introduction to the subject, we were assigned to read a series of tutorial articles co-authored by Stanley Leinwoll and George Jacobs, two of the really big guns in shortwave frequency management.

In 1970, while working on the transmitter staff of ELWA in Liberia, I found a book in the technical library: *Shortwave Propagation* authored by Stanley Leinwoll.

You can imagine my surprise and delight in late 1973 when I joined the staff of WYFR in Scituate, Massachusetts, to find that Stan had been managing frequency affairs for our predecessor WNYW, and that he would continue to do so for WYFR.

With his many years of experience in frequency management, he brought a lot to the table. We could confidently approach difficult situations with Stan on the team. Dealing with various issues that came up over the years, Stan took a very direct approach. At times he even quoted his version of the old adage, "I believe in taking the bull by the horns," and he never hesitated to ask the difficult questions. He didn't leave you wondering what he thought about any given situation.

At an NASB Annual Meeting in Washington some years ago (sans Stan), an FCC staffer commented, "Stanley knows more about propagation than God!" One of the VOA guys immediately piped up, "And he's just as old, too!" Indeed, no matter how old I got, Stan was always the elder statesman. When I told him that I'd turned 70, he wasn't at all impressed. "I'm going to call you *Sonny*," he announced.

I'm very grateful for the 38 years that Stan and I worked together. His accomplishments and writings will be detailed elsewhere. Right now I'm just lifting my hat, saying a final "73," and feeling a deep ache in my heart. Goodbye, Stan, and may your frequencies propagate well and stay clear of interference. You will be sorely missed.

KNLS Alaska Trip - Spring 2012

by Gayle Crowe, World Christian Broadcasting

In your most vivid imagination, pack into two weeks a trek through one of the world's most scenic mountain ranges -- and a week-long relaxing cruise on one of the world's finest and most luxurious ships. Throw in up-close views of glaciers, the opportunity to see grizzly bear, moose, caribou, Dall sheep, wolves, and 650 species of flowering plants. Top that off with two weeks getting to know Christians with whom you will form lasting friendships.

We leave May 27, 2012, returning June 9. For the extra-adventuresome there is a one-day extension that includes a night at the Fairmont Express Hotel in Victoria, B.C., and a visit to the world-famous Butchart Gardens.

We will fly into Fairbanks and enjoy a Riverboat Discovery cruise of the Chena River. From there, a dome train will take us to Denali with its Mount McKinley, North America's tallest mountain at 20,320 feet. A seven-hour Tundra Wilderness Tour deep into Denali will provide opportunities for seeing wild animals at every turn of the road. From Denali we head through Anchorage to the Kenai Peninsula, the "crown jewel" of Alaska. There we will visit KNLS, our "New Life Station" that broadcasts every day throughout Russia, China, and the Pacific Rim countries. We will also stop in at the art studio of Norman Lowell, "The Alaskan Artist."

From there it's to Seward where we board our Royal Caribbean cruise ship, "Radiance of the Seas," for 8 days visiting the Hubbard Glacier, Juneau, Skagway, Icy Strait Point, and Ketchikan. After an overnight at the Airport Marriott in Seattle, we'll head home.

NXP Automotive Digital Radio Solution to include DRM

from Charlotte Cabrero, DRM Consortium, January 9, 2012

A new digital car radio solution including DRM will be unveiled at the Consumer Electronics Show (CES 2012) in Las Vegas this week. The DRM Consortium and NXP Semiconductors N.V. (NASDAQ: NXPI) will present one single automotive digital radio solution for all the three key global digital radio standards – DRM, HD radio and DAB/DAB+/T-DMB - on the same co-processor, the SAF356X. The car radio platform will be unveiled on Tuesday, January 10th, at the NXP booth, Central Plaza – CP8- during a Digital Radio Mondiale Reception with DRM Consortium and key representatives from the entertainment electronics industry.

The inclusion of DRM in this device is mainly aimed at the booming Indian car market. The new NXP SAF356x will make it possible for listeners to receive DRM radio signals while travelling anywhere across India. In 2010 the Indian Government gave green light and allocated funds for the radio digitisation of All India Radio (AIR), the public radio broadcaster. The largest MW DRM transmitter in the country (and one of the largest in the world with a power of 1 Megawatt) has been already installed in the west of the country with transmissions due on the air imminently. Since November 2011 All India Radio has doubled its daily DRM transmissions from Delhi to 16 hours a day.

Torsten Lehmann, General Manager Car Entertainment business, NXP Semiconductors, says: “With this product we now have a single hardware platform covering all the main terrestrial digital radio standards, enabling us to offer our customers a truly global solution. This product supports NXP’s Car Entertainment strategy of taking the lead in software-defined multi-standard digital radio solutions. DRM will enable a significant proportion of the population in countries such as India to receive high quality radio broadcast for free. As such, we’re really excited to help bring this standard especially to the world’s emerging markets.”

Ruxandra Obreja, DRM Chairman, says: “NXP, a DRM member, are well known in the industry for their quality semiconductors and chip boards. Getting a new DRM solution for India and the rest of the world will definitely advance the DRM roll-out in one of the premier radio markets of the world. The 10th of January event attended by senior members of the DRM is a first for the Consortium at CES, a signal that DRM is not just a theoretical proposition but a consumer electronics one, too.

A Review of the A12 HFCC Conference in Kuala Lumpur, Malaysia

by Dr. Jerry Plummer, WWCR; and George Ross, KTWR

The 8th GLOBAL SHORTWAVE COORDINATION CONFERENCE was held on 9-13 January, 2012 at the Hotel Istana in Kuala Lumpur, Malaysia, in the Mahkota 2 Ballroom Level. The High Frequency Coordination Conference (HFCC), the Arab States Broadcasting Union (ASBU) and the Asia-Pacific Broadcasting Union (ABU-HFC) in conjunction held the conference. Participants of the three coordination groups, representing around 90% of the shortwave in the world, took part in this conference to coordinate shortwave frequency schedules for the A-12 (summer) season.

The Hotel Istana was the site of the A10 HFCC Conference, and many of the attendees were pleased at the venue, given that they were familiar with the hotel, conference area and surroundings.

The final roster sheet contained exactly one hundred attendees, but there were probably a few less, due to travel problems, etc. Nevertheless, it was a sizeable crowd in attendance

Monday, January 9th at 9.30am local time when the Opening Remarks were issued by Sharad Sadhu, ABU and ABU-HFC; Chairman Oldrich Cip; Bassil Zoubi, Head of Transmission, ASBU; Horst Scholz, Vice Chairman of HFCC; and Ahmed Nadeem, ABU. Major comments are listed below.

Of course, all recent HFCC Conferences have been concerned with the shortwave industry's general well-being, and this conference was no different:

ABU Director Sharad Sadhu started by saying that "many broadcasters feel shortwave is in its sunset. ABU doesn't feel this way. We feel it is mostly governments that are causing the decline in their broadcasts. This is really a service that helps the governments. Places where shortwave lacks:

- 1) Signal quality and continuity leave much to be desired
- 2) Listeners have other options to get better quality
- 3) Broadcasters have done nothing to improve the quality of the product.

The main issue is signal quality/content. Content is the most important issue. If this is not met, then this will truly be the sunset of shortwave.

In his welcome HFCC President Oldrich Cip stated: "Current adjustments to our activities are a reflection of shortwave transmissions in many countries. I am concerned about international broadcasting overall. The ideology of things in the 20th century has changed. The potential of international radio to distribute content is being ignored. I'm sure we should repeat over and over again that a new technology has never replaced an old one. Today multiplatform can strengthen the reception of the international content. Shortwave frequency management remains our activity.

Bassil Zoubi of the ASBU gave the final speech he titled "The convergence of broadcasting media." Connectivity on communication devices is widely acceptable. The shift in modern communication is more digital. Traditional is losing ground to a more social networking format. Social media is 'impacting' the ASBU countries. Surviving in the digital age requires more robust content and using other platforms, specifically internet. The economic unrest in our area was not capable of responding media-wise (talking mostly of the popular use of TV content). FM is the most common media in the Asian region. DRM is most attractive to Arab broadcasters - mostly DRM+. The biggest concern is for affordable DRM radios. Arab countries are exploring every way to be active on the international broadcasting scene. We want to broadcast around the world. It's important to get good feedback from listeners around the world.

These comments show that it is important to see the perspectives of the three global directors. They have a different approach and yet there is a trend with looking at where international broadcasting is going.

Once done with the opening remarks, frequency negotiation began in earnest.

The schedule daily ran from 0900 to 1730 hours, with 1730 being the daily deadline for frequency submission for HFCC database updates.

Representing the NASB were George Ross and Shakti Verma (also of FMO TWR) and Dr. Jerry Plummer of WWCR, who also represented FMO CBB (the Caribbean Beacon). NASB President William Glen Tapley was scheduled to attend, but flight cancellations and reassignments would have put him in KL on Thursday, making the trip very hard to justify.

Kevin Chambers of WCB (Madagascar), and an NASB member, also attended. As usual, Tom Lucey of the FCC was present for the Conference too, so there was a good contingent of NASB and NASB-related attendees.

Two areas of interest were the advancement of DRM and of content distribution expansion. Regarding the latter, Chairman Oldrich Cip stated, "The Kuala Lumpur conference is going to be another important global shortwave co-ordination event. At the same time we would like to carry on the debate on the broadening of our activity in the field of content distribution of international broadcasting."

Regarding DRM, the CES electronics show in Las Vegas, NV was held the same week, where Ludo Maes was attending. During the week, a DRM chipset in the \$30 price range was announced, with almost immediate implementation into Indian automobile production. India remains a leader in DRM usage, and it is hoped that this chipset and the usage by India will bode well for all shortwave broadcasters. NASB Board member George Ross detailed the activity on Guam with a new DRM transmitter currently in operation.

During the conference, a presentation of Jerome Hirigoyen of TDF about DRM tests in Brazil noted a good response in Brazil and included audio clips, which sounded very good. I know personally that WWCR sent a 30 minute program to Spaceline in Bulgaria for their DRM testing from Armenia, and it also sounded good.

It is hoped for that the new DRM chipset, accompanied by ramped up production for India will reduce costs lower and make affordable receivers available this year. From what is generally understood, this chipset could easily be integrated into hand held sets such as the iPod or Android, making it's availability tremendously greater.

Regarding content distribution, two other presentations were made during the conference:

Where do Social Media Leave Traditional Broadcast Media? - a presentation of Graham Mytton presented by Tim Ayriss; and CDN: Content Delivery Networks – a presentation of Alfredo Cotroneo. Both focused on alternative options for International broadcasters.

Chairman Oldrich Cip led a debate about the readjustment of the mission of HFCC, related as noted above to shortwave broadcasting's future in an increasingly digital world that was both timely and lively.

On Thursday, the Plenary was held at 400pm local time. It was noted that the place and date for B12 would tentatively be 27 - 31 August 2012, Paris, hosted by the NASB and TDF, Telediffusion de France. Hosts, places and dates of A13 would tentatively be Tunisia, February 2013. Gary Stanley was voted Rapporteur as successor to Geoff Spells, who unfortunately has stepped down for health reasons. Horst Scholz was reelected as Vice Chairman. Horst then introduced Hai Pham of the ITU, who reported on ITU-related matters. He is an excellent and captivating speaker. Horst then closed the Plenary meeting.

Kuala Lumpur is a wonderful place, albeit quite warm. Temperatures were in the upper to mid 90's Fahrenheit (34 Celsius) daily, with evening temperatures in the mid 70's (25 Celsius). To me (Jerry) that was quite hot, but to George Ross it was a bit cool!

Less than a block from the Istana was Bukit Bintang (BB) Street, an approximate 20-block area of wall-to-wall shops, restaurants and the usual array of massage parlors. Knockoff Rolex watches, as well as pirated DVD's and replicas of virtually anything imaginable were available, at low costs. Of course, everything in KL is price negotiable. Unicef notes a per capita income of approximately \$600 per month, but this is highly skewed towards the top

20% of income earners, making the “average” worker income much closer to \$100 per month. This was verified with several “average” workers during the stay there, meaning that a US income was a lot of money compared to the average KL employee. As an example, a full blown steak dinner was less than \$20!

The KL Twin Towers and Radio Communication Tower were nice points of interest to visit, as well as Chinatown, where a seemingly endless milieu of shopping bargains were available.

Foods of virtually all natures were available and affordable, including Indian, Middle Eastern, Chinese, Japanese, Taiwanese and Western. Yes, there were McDonald's, Burger King and Wendy's, which seemed to be always busy but were unvisited by these writers.

The week of the conference was the week before the beginning of the Chinese New Year; the Year of the Dragon. Much pre-celebratory examples were present, including an exhibit at the Pavilion of Bears of all Nations, which was all countries as a bear, with particular national markings. The Cuban bear was smoking a Havana Cigar.

Many of the attendees used their spare time traversing these noted districts/areas, sampling the foods and purchasing varied items, as well as simply taking in the local attractions and views.

All in all, the conference was a success, and the CES introduction of an inexpensive DRM chipset actually going into production was a positive attribute to learn of during the Conference.

Opening Remarks from HFCC A12 Conference by HFCC Chairman Oldrich Cip *Kuala Lumpur, January 9, 2012*

Let me thank first of all the management of the Asia-Pacific Union for inviting the global co-ordination conference to Kuala Lumpur again. I would like to thank in particular Mr Sharad Sadhu, Director of Technology who has been so closely involved in the inception of international shortwave co-ordination and to Mr Ahmed Nadeem, Head of Studio Technology. They have been both very much engaged in conference preparations.

The current adjustments to our activities are associated with the reduction of shortwave transmissions in many countries. But sometimes I am more worried over the future of international broadcasting as a whole.

Some colleagues believe that the present content is not attractive or interesting enough. Maybe this is true but at the same time the mandate of international broadcasting has not been redefined after the epoch of strong ideological competition during the decades of the twentieth century. There is a lot of debate in Europe for example about the pan-European and global dialog between cultures and nations but the potential of international radio to exchange and distribute rich media content across the frontiers for the purposes of this dialogue is almost completely ignored.

We have decided to promote a balanced system of content delivery that would prevent a hasty and sometimes irreversible demise of traditional sound radio broadcasting from terrestrial shortwave transmitters.

We should repeat over and over again that the emergence of a new media technology has never replaced an old one, and that all technologies are capable of existing side by side. The prediction that the internet would replace television for example is not happening. Audience

research indicates that the TV use is actually growing - partly because of additional and background information that is being spread on the internet - including social media. Similarly, the detailed information we are capable of providing on the internet about shortwave schedules and listening should strengthen the public awareness of shortwave radio and of its specific properties.

I met an IT specialist of a company in Dubai on our flight to KL. He told me that because of the problem with internet speed his employers have instructed him to eradicate listening to radio on the company intranet. The delivery of media content through the Internet is indeed vulnerable and can be regulated and censored.

Shortwave frequency management and co-ordination remains our core activity and it is supported by the International Telecommunication Union. I am glad to report that Mr Hai Pham, Head of the Broadcasting Services Division is coming to our KL conference. Consultation between the ITU and the so called regional groups HFCC, ASBU and ABU-HFC will be on the programme of the conference on Wednesday.

It is worth noting too that the ITU will be able to provide support of the projected extension of our activities. The meeting of the SG 6 (that is broadcasting service) of the ITU late last year decided that a series of questions should be studied about broadcasting of multimedia and data applications. A completely new study has been opened on "Worldwide broadcasting roaming". This is especially significant since it should facilitate international harmonisation of broadcasting and of receivers.

During a survey conducted by the European Broadcasting Union on "digital receiver profiles" we failed with a suggestion only a couple of years ago that future radio receivers should be capable of all available digital technologies including DRM. This idea seems to be generally accepted now and we believe that the migration to the future multi-format receivers might positively influence the acceptance of DRM technology.

We approached the management of the Engineering Department of the European Broadcasting Union recently informing them about the changes in the remit of the HFCC. We pointed out that in the present rush to cut the budgets managements have been moving funding from international radio more aggressively than from domestic broadcasters and therefore that the impact of the changes on the distribution of international broadcasting should be given priority.

Profiles in Amateur (and Shortwave) Radio

from Monitoring Times (Ken Reitz, Features Editor - February 3, 2012)

A new Kindle e-book is now available. "Profiles in Amateur Radio" is a collection of 19 articles taken from the First Person Radio series that appeared over the last three years in Monitoring Times, a national monthly magazine about all things radio, now in its 32nd year. It's a three-part look at the inspirational life stories as told in the words of those on whom shortwave and amateur radio has had a lifelong impact. The book is edited by Ken Reitz KS4ZR, a freelance writer since 1988, Features Editor for Monitoring Times, and author of the Communications and Beginner's Corner columns which appear monthly in the magazine.

Profiles in Amateur Radio Table of Contents:

The Uncommon Life of Charlie Gyenes W6HIQ -- by Ken Reitz KS4ZR

In the Right Place at the Right Time -- by Bob Heil K9EID
Life's Been Good to WB6ACU -- by Ken Reitz KS4ZR
How I Survived Self-Electrocution, Fame, Congress and the Publishing Industry -- by Bob Grove W8JHD
Reading, 'Riting and Radio -- by Carole Perry WB2MGP
CQ at 51,000 Feet and Mach .85 -- by Rick Dougherty NQ4I
If You're Old Enough to Read, You're Old Enough to Get Your License -- by Mattie Clauson AE7MC
A Life of Service in Amateur Radio by Harry Dannals W2HD
My Half-Century in Radio -- by Ron Walsh VE3GO
A Love of Listening -- by Thomas Witherspoon K4SWL
My Lifelong Fight for Free Speech Radio -- by Allan Weiner
Obsessed by Time and Shortwave Radio -- by Myke Dodge Weiskopf
Crystal Set Leads to Lifelong Hobby and Career -- by Maury Midlo
Shortwave from Both Sides of the Microphone -- by Jeff White
A Most Unlikely Radio Career -- Keith Perron
Radio Dreams of a Lifetime -- by Jack K. Neal W8AQ
Amateur Radio and Education in America -- by Ken Reitz KS4ZR
The LBJ High School Experience -- by Ronny Risinger KC5EES
CQ DX from KC7OEK -- by Nick Casner K7CAS, Cole Smith KF7FXW and Rayann Brown KF7KEZ

NASB Lowers Associate Membership Fee

We are pleased to report that the Board of Directors of the National Association of Shortwave Broadcasters has decided to reduce the annual associate membership fee until further notice to only \$250 per year. The previous rate was \$500 per year. (Current full members will continue to pay \$250, plus \$50 for each additional transmitter licensed in the U.S.)

The NASB Board understands that all companies and organizations are going through difficult times financially, so we want to make it easier for new members to join the Association. We also want to make it easier for current associate members to renew their membership and perhaps for some previous associate members to rejoin the NASB.

The NASB is the only trade association for shortwave radio stations in the United States. According to our bylaws, only FCC-licensed shortwave stations can be full members of the Association, but any station in any part of the world can be an associate member. Our associate members also include religious broadcasting organizations, shortwave consultants, brokers, transmission facility operators, manufacturers of transmitters, antennas and accessories, etc. Any company or organization can be an associate member of the NASB for the \$250 annual membership fee.

The NASB has been very active in many aspects of international broadcasting. We work closely with the FCC's International Bureau on regulatory matters and other matters of mutual interest. We attend both High Frequency Coordination Conferences each year as part of the FCC delegation and we assist the FCC and our member stations who cannot attend with frequency management issues, collisions, etc. The NASB is a member of the HFCC and an associate member of the DRM Consortium. We have supported all efforts of the DRM Consortium to promote digital shortwave in the U.S. and around the world. We have carried out several rounds of DRM test transmissions from different sites beamed to Europe and North America. We publish e-mail newsletters with news about events in the shortwave world and events affecting shortwave broadcasting. And recently we established an NASB Facebook page (www.facebook.com/nasbshortwave) where we publish news about our members, associate members and about shortwave in general more quickly than we could do so in our newsletters.

The NASB has organized or co-organized four HFCC conferences in recent years (in Mexico City, Punta Cana, Zurich and Dallas), and we are organizing the B12 HFCC Conference in Paris this coming August. Our NASB annual meeting is combined with the annual meeting of DRM USA. In recent years, the NASB annual meeting has taken place in cooperation with our member stations in Silver Spring, Maryland; Elkhart, Indiana; Cary, North Carolina; Nashville, Tennessee; and Miami, Florida. This year's annual meeting will take place in Washington, DC on May 10 and 11 at the headquarters of Radio Free Asia. We have a lot of interesting speakers and programs planned; you can find more details on the NASB webpage, www.shortwave.org. Click on "Annual Meeting."

For those who are already NASB associate members, you will be receiving an invoice for \$250 for 2012 annual membership dues. For those who have been thinking of joining the NASB, now is the best time to do so, with the new lower rate in effect; just e-mail us at nasbshortwave@gmail.com and ask for a copy of the associate membership application form. And for those who were associate members of NASB in the past, we would love to have you back again; just let us know that you want to rejoin.

If you have any questions or want to contact us for any reason, our contact information is below. Thanks for your time and interest.

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WRMI Debuts Irish Soccer Reports

MIAMI, USA – The U.S. shortwave radio station WRMI began carrying weekly updates of Irish pro soccer football beginning St. Patrick's Day Week.

Radio Miami International – WRMI – debuted "Football Made in Ireland" on Monday, March 12 at 2 PM Eastern Time (1800 GMT/UTC). The two-minute feature is slated to be carried Mondays through Fridays at the end of RTE Ireland's "Drivetime" program at 2 PM, 5 PM and

9 PM ET (or 1800, 2100 and 0100 GMT). This will not be the first foray into sports programming for WRMI, which has also carried such weekly sports-related features as “World Cricket Today,” “World Baseball Today” and “Baseball Mexico” in recent years.

“Football Made in Ireland” provides results, highlights, schedules and top stories from the long-running League of Ireland pro soccer organization. The LOI dates to Irish independence in 1921 and includes 20 clubs spread between the 12-team Premier Division and the 8-team First Division. Many LOI clubs predate the league’s formation, including Athlone Town (1887), Bohemians FC (1890), Shelbourne (1895) and University College Dublin (1895). Dublin’s Shamrock Rovers won the Premier Division championship in 2010-11 for their 17th title since 1922-23. Cork City won the First Division crown last winter and has moved up into the Irish Premiership.

The feature is hosted by Seattle native Bruce Baskin, who created and produced the aforementioned WRMI sports programs and is a radio veteran with on-air experience starting in 1976 as a newscaster at a local high school station. Baskin is believed to be a distant relative of longtime RTE Ireland television host Bibi Baskin, who hails from the same area of Ireland’s County Donegal that was home to Bruce’s ancestors before Thomas A’Kempis Baskin and his family sailed to Canada in the 1830’s. “I visited Donegal in 1988,” Bruce Baskin says, “went to gravesites and met some relatives, but not Bibi. She’d apparently been long gone by then.”

“Football Made in Ireland” may be the first-ever world band radio program devoted to Irish pro soccer, and will mostly run on WRMI adjacent to RTE’s daily “Drivetime” show via World Radio Network. “I absolutely wanted to schedule my feature next to an RTE show on WRMI,” Baskin says. “Drivetime listeners may be more open to becoming interested in Shamrock Rovers or Finn Harps soccer than listeners to other programs. My feature is niche radio targeted to sports fans of Irish descent worldwide.”

Although the LOI is ranked just 33rd among 53 UEFA leagues across Europe (with all but one LOI team playing in stadiums with capacities below 10,000 spectators), Baskin is undaunted. “It’s not a large league, but that’s not the point,” he says. “I just want to help get the word out about Irish soccer beyond borders, and maybe help generate a little support for teams there. There are quite a few teams in Ireland that could use some financial assistance. I’ve bought a share of Finn Harps in Donegal, but I’m just one person with not a lot of money. Hopefully, people who can give more help will hear this feature.”

WRMI broadcasts on 9955 kHz on the shortwave band and also streams online at www.wrmi.net. The 50,000-watt station has been on the air since 1994, and its general manager is National Association of Shortwave Broadcasters secretary-treasurer Jeff White. The 1800 and 2100 GMT broadcasts of “Football Made in Ireland” will be on www.wrmi.net only, while the 0100 broadcast will be on Internet and on 9955 kHz shortwave. The Football feature will air at approximately 28 minutes after the hour, at the end of RTE Ireland’s “Drivetime.” Bruce Baskin was a featured speaker about sports programming on shortwave at the 2009 NASB Annual Meeting in Nashville, Tennessee.

Shortwave in the 21st Century -- Does it Belong?

The following article by Laura Lockett of NASB associate member Babcock International Group was published on the Babcock website in October 2008. But it is as timely now as it was then, so we have chosen to reprint it here:

In the exciting age of podcasts, video-on-demand, internet radio and a multitude of hand held devices that integrate numerous functions including cameras, music players and even car keys, is there really a future for the traditional, fairly low sound quality shortwave radio?

Most major international public broadcasters have announced reductions in shortwave broadcast hours over recent years. Industry experts are quick to make bold predictions about its usefulness for today's technologically sophisticated broadcasters, leaving it in the hands of a few enthusiastic hobbyists. If you believe the headlines then it would be easy to assume that it has already been given the last rites and is all set to become a fond memory in the museum of international broadcasting.

To arrive at this conclusion is, I believe, an oversimplified and naive mistake.

Since 11 March 1927 when PCJ broadcast from the Netherlands to Indonesia, the ability to broadcast into a country thousands of miles away became a reality. This led to many organisations producing programmes to go on air in multiple languages, all around the world.

For whatever reason; political, educational, religious or ideological, there was a way of reaching an audience many thousands of miles away, sometimes in an area where such content would be censored. And from the audience perspective, shortwave sets became readily available, relatively affordable and easy to use. Today there are literally billions of shortwave receivers all round the world.

The main problem with shortwave is the audio quality. Even under ideal conditions most would agree that shortwave doesn't sound as clear as domestic stations, and cannot compare to an FM signal in terms of quality. Additionally, 'ideal broadcast conditions' are also a rarity. Interference can come from various sources (atmospheric disturbances, electrical interference from domestic appliances such as TV sets) and the need to change frequency at certain times of the day and, or season means that audiences need a certain level of technical understanding in order to receive a signal.

So, in some parts of the world such as North America or Western Europe, shortwave gradually lost out to higher quality, easily accessible ways of listening (and indeed, viewing). FM networks, internet, direct-to-home, satellite, mobile phones to name but a few have all become available platforms, meaning international broadcasters have had to make choices about the most effective ways to reach their audiences. Not surprisingly in a world of limited budgets, shortwave broadcast services were reduced and largely stopped to these parts of the world.

However, the rest of the world faces different challenges to these developed countries. Some of the newer technologies have grown at different rates in other parts of the world. For instance, some parts of Africa have sophisticated mobile phone networks and handsets easily available, and others don't. It is all so easy to generalise, but the reality is that within many Indian and Asian countries there is an enormous range of ways that audiences can receive their programmes from abroad.

And here's my point. Short wave broadcasting still accounts for a huge proportion of international audiences globally. I am forever reading articles about the imminent end of shortwave, but the facts just don't support these claims. Recently published figures by the BBC World Service reveal that of its 182 million audience, 105 million are short wave listeners.

Short wave has an important role to play complementing all the newer technologies. Different platforms should not be seen as competing with one another for audience. It's about making

sure your programming is available on the most appropriate platform that is accessible by your audience at the right time. Broadcasters can simply offer audiences the same content on a range of complimentary platforms.

So today the job of the broadcaster has gone beyond making compelling content for its audience. The audience has more choice and is more sophisticated in how it accesses content. It is no longer realistic to think of one country as a 'target audience', as that audience is segmented into multiple groups, all with different interests and different ways of accessing or receiving the programmes. 18-24 year olds may have different interests to 50-60 year olds. People in a city may have access to computers, whereas people in a rural village won't. Some people listen whilst on the move, some don't. The permutations are endless and continually changing. Changes to political regimes in a country can mean that access to key communications and broadcast infrastructure, such as FM or mobile networks can be blocked quickly. Sometimes the infrastructure is destroyed, either deliberately or through natural disasters such as flooding or earthquakes.

This is why it is important to consider the range of technologies that are available at any one point in time, in order for the broadcaster to reach their target audience. At the Deutsche Welle's Global Media Forum in Bonn, Germany earlier this year, Babcock launched a new combination of capabilities to enable broadcasters to re-establish communications inside areas struck by a disaster. From the ability to get short wave messages into the area within 24 hours, to providing temporary on the ground production, communication and local broadcasting facilities as soon as access is possible, right through to providing mobile platforms or permanent infrastructure as re-building begins. These solutions ensure that the link between the broadcaster and their audience is available whatever the conditions or circumstances.

With a 75 year heritage in international broadcasting, Babcock understand the importance of shortwave and we remain committed to its future, continually investing in equipment and resources to ensure the longevity of the platform. We were delighted to have sponsored the recent joint HFCC/ABU/ASBU co-ordination conference earlier this year in Kuala Lumpur. The group co-ordinates transmission schedules of about 60 organisations from more than 30 countries. They represent about 75 to 80 percent of the global output of shortwave broadcasting. It is important to keep the industry traditions and policies that have worked so well over the years going, as well as investing in new resources so that shortwave continues to be available to play a major role in years to come, both in the analogue and the exciting world that DRM will open up to broadcasters around the world.

However, at Babcock we also recognise and welcome the exciting opportunities that newer technologies offer for broadcasters in their challenge to build closer and better relationships with their audience. That is why we have invested nearly £2.5M pounds in a state-of-the-art Global Media Network and Media Management Centre, so the broadcaster can take advantage of these multiple delivery platforms, without having to invest heavily in the new technology and resources to operate.

We believe that these newer technologies and services all have their part to play in the challenge to reach ever changing audiences across the globe, which is why we are able to offer a 'one stop shop' for the broadcaster from traditional to new and emerging technologies. And in answer to the original question – although its role may have changed over the years, at Babcock we absolutely believe shortwave belongs in the 21st Century!

A Review of the 25th Annual NASWA Winter SWL Fest

by Jerry Plummer, WWCR, March, 2012

The NASWA Winter SWL Fest was held March 1–3, 2012, at the Doubletree Guest Suites in Plymouth Meeting, Pennsylvania. The following report comes to us from Dr. Jerry Plummer, frequency manager of shortwave station WWCR in Nashville, Tennessee. Jerry attended the event on behalf of WWCR and the NASB – the National Association of Shortwave Broadcasters.

To quote the website swlfest.com, “the Winter SWL Fest is a conference of radio hobbyists of all stripes, from DC to daylight. Every year scores of hobbyists descend on the Philadelphia, Pennsylvania suburbs for a weekend of camaraderie. The Fest is sponsored by NASWA, the North American Shortwave Association, but it covers much more than just shortwave; mediumwave (AM), scanning, satellite TV, and pirate broadcasting are among the other topics that the Fest covers.” This is certainly true, says Jerry, as the varied forums and topics covered ran the gamut; all of interest.

Forums ran from Thursday through Saturday afternoon, culminating in the final night banquet and raffle prizes being announced and distributed. The way-over 100 attendees spent the three days attending forums, talking the hobby with each other and enjoying the food and beverages available. A good time was had by all.

Some, but not all of the forums included the following:

* **Radio on the Road II – Janice Laws** has to date visited 57 countries in various capacities, more recently as a member of United Nations missions. All of these locales have radio stations and, in a follow-up to her very popular session a couple of years back, Janice talked about and demonstrated how they look and sound while offering some sound advice and good tricks to make the most of your radio listening when travelling. **Janice** has been a member of the Canadian International DX Club since 1991. She has served as host of the International Radio Report on CKUT 90.3fm in Montreal, and is also known as Juliet of Juliet’s Wild Kingdom on shortwave station WBCQ in Maine.

* **Radio Free Asia Update** – Big changes are in store throughout US international broadcasting; **AJ Janitschek** caught us up on recent and coming developments at Radio Free Asia. **AJ** got into broadcasting while in the Air Force. Throughout his time with Armed Forces Radio and Television Service, he served in Frankfurt, Germany; in Kunsan, South Korea, Los Angeles, California, and confirmed his first reception report, which came from a Finnish DXer, in 1982 while in Sondre-Strom, Greenland. AJ has been with Radio Free Asia since before their debut broadcast in 1996.

* **Europe Update** – presented radio-related news from Finland and Europe, describing the state of the hobby matters in the old continent today with a comparative eye toward how they were 25 years ago. A good part of the session was about hard-core-AM-dx, as it is still very strong today in Finland, but international shortwave, tropical shortwave, FM-DXing and more was also discussed. It was presented by **Risto Vähäkainu, who** started in the hobby in 1968. He is a board member, treasurer and international secretary of the Finnish DX Association. Earlier he was the club chairman and also the secretary general of the European

DX Council. This was Risto's 10th SWL Fest. He also attended the 2011 NASB annual meeting on the boat between Miami and the Bahamas.

* **Small Loop Antennas** – provided some easy to digest theory and math, as well as construction tips. The myths and misinformation about small loops were discussed, along with some tricks you can do with various loops that aren't common knowledge. Presenter **Jef Eichner** holds a first class commercial licence, and extra class ham ticket and has been involved in radio on and off for 40 years. He holds degrees in electronic music technology and communications, teaches part time and is a professional musician. I really enjoyed the mathematical computations! said Jerry.

There was also a session about **Scanner monitoring** with **Thomas Arey**, known as "Uncle Skip." Skip has been writing and teaching about all aspects of the radio hobby for over 30 years. He has been a forum presenter at almost all of the Winter SWLFests. His book "Radio Monitoring: A How To Guide" is now available as a free download on the NASWA Web site, NASWA.net. Skip is quite the speaker, and super knowledgeable.

Well, those were just a selected few of the seminars at the SWL Fest. The many other forums can be viewed at www.swlfest.com/forums-events.

Camaraderie and friendship abounded at the meeting. The co-chairs, Richard Cuff and John Figliozzi, put together a fine program and all arrangements were great, says Jerry Plummer. The infamous "Dr. DX", Dr. Harold Cones was the able raffle emcee and proved to be quite humorous and kept the crowd enthused and excited during the entire raffle awarding.

Jerry Plummer himself was the Banquet Speaker, and he spoke on "*Shortwave Broadcasters in America; their Future and International Shortwave Broadcasters Vision for Tomorrow*". The talk covered the future of domestic shortwave broadcasters as the National Association of Shortwave Broadcasters sees it, and discussed the future of international broadcasters as seen by the HFCC – the High Frequency Coordination Conference and its varied members. It was positive, and dwelled on the fact that shortwave broadcasting is still an extremely viable modicum; and that the recent loss of European government owned shortwave broadcasters is offset by the emergence of other privately owned operators into the market.

The raffle after the banquet speech included many interesting articles, working their way up to software-defined radios radios and nice shortwave receivers of many types. During the raffle, Dr. DX made a special mention of Fred Osterman of Universal Radio, who was in attendance. Dr. DX noted Fred's long term commitment to the SWL Fest and to shortwave in general- and Fred was rewarded with a standing ovation.

Another special mention included members of the shortwave community who had passed away in the last year, including one particularly beloved member. It was truly touching, and reflective of how all the SWL Fest attendees are close to each other.

Some (but not all) of the noted attendees included the "Finnish Contingent" of Risto Vahakainu and Arto Mujunen, as well as Steve Bratcher of IBB and Tom Lucey of the FCC, (attending on an unofficial basis), and Paul Ladd of NASB member World Christian Broadcasting.

The NASB is respected, known and well received at the SWL Fest. I reminded all attendees of the upcoming NASB meeting in Washington DC, and that all were welcome to attend.

All in all, a great Fest and a great time was had by all. I am very glad that I attended as a representative of the NASB.

Radio Free Asia QSL Card Commemorates 25th Anniversary of SWL Fest

Harry Scott of Radio Free Asia (RFA) announced the release of RFA's 44th QSL card. This QSL commemorates the 25th annual SWL Fest, March 1-3, in Plymouth Meeting, Pennsylvania. The SWL Fest is a premier DX'er event in the USA attracting hundreds of attendees. It is sponsored by the North American Shortwave Association (NASWA) and covers shortwave, mediumwave (AM), scanning, satellite TV, pirate broadcasting and more. This QSL card will be used to confirm all valid RFA reception reports for March 2012. Incidentally, Dr. Jerry Plummer of WWCR was the NASB's representative at the SWL Fest this year, and he was also the meeting's banquet speaker.

Journey of Hope Campaign Seeks to Boost Impact in Arab World

HCJB Global - March 2, 2012

More than a year after "Arab spring" upheavals began shaking much of the North Africa/Middle East Region, HCJB Global's *Journey of Hope* campaign is offering media users eternal promises amid the social, political and cultural uncertainties facing them.

Launched on Wednesday, March 1, the campaign renews the mission's evangelistic efforts, focusing on the people throughout the region. Additionally, mission leaders hope it will encourage Christians worldwide to support the outreach and pray for Arabic-speaking people.

Journey of Hope's theme springs from an account in the Gospel of Luke of the resurrected Jesus, accompanying His disciples on the road to Emmaus.

"The risen Jesus joined the travelers along that lonely road and helped them understand events that had left them confused and uncertain," explained HCJB Global President Wayne Pederson. "*Journey of Hope* broadcasters walk with Arabic speakers who yearn to understand who Jesus is."

The mission broadcasts in Arabic daily via satellite, shortwave and FM stations with programs also streamed via the Internet. A smartphone app allows listeners to "travel" with their favorite program hosts.

Native to the countries they broadcast to, *Journey of Hope* producers are trained by HCJB Global Voice. When a series of political revolutions began sweeping through the region in 2011, the unrest helped broadcasters engage listeners, particularly through social networks such as Facebook. Some stayed online up to 10 hours straight in what HCJB Global's North Africa/Middle East Regional director called a "pre-evangelistic outreach" to audiences.

Across the region of 355 million people, less than 1 percent of inhabitants are Christians. It has been estimated that 95 percent of the region's residents will never meet a Christian. In the past year, reports of persecution—including violence—against Christians and churches have

multiplied.

Access to the Bible or Christian literature is scarce, but many who seek hope and answers for life are encountering Jesus. HCJB Global began Arabic-language programs to the region via shortwave in 1991. Satellite broadcasts followed 10 years later with Internet streaming not long after. Producers focus on niche groups, including young families, men, women or those learning to speak English. Many listeners find that listening establishes a connection that the printed word does not.

“We train our loyal partners to produce radio programs and give them the tools they need—portable studios, digital mixing and editing software,” said the regional director.

“One producer was recently forced out of his own country to live secretly in another, but he continued to produce Christian radio programming,” he added. “This producer has since fled again. We’re still trying to find him.”

The mission is promoting the campaign in several ways, include the offer of a sweepstakes for a free trip for two to Israel for friends of the organization. (Visit <http://www.facebook.com/voiceandhands> and click on “like” to enter the contest.)

Here are some other ways that people can participate:• *Pray*: Download a 31-day Prayer Calendar at <http://www.hcjb.org/Journey-of-Hope-Pray>.• *Give*: Donate \$35 to sponsor one hour of Arabic-language radio programming. Give online at <http://www.hcjb.org/hope>.• *Share*: Tell family members, friends and church groups about the needs through prayer gatherings to raise awareness of the Arab world’s need for the gospel. Send an email request for a resource kit to journeyofhope@hcjb.org.

Renewed passion for Christian outreach to people in the region is spurred by listeners such as “Amani” (pseudonym) who wrote that a friend had mentioned the programs available via satellite. “The music and programs about Jesus have made an important impact on my life, and now I listen to it regularly through my computer or phone,” he wrote “I feel empty spiritually and am at a crossroad. I am writing to you for help. Please send me the Holy Bible and some study materials that can help me and get me out of this lost feeling.”

European DX Council Conference 2012 in Germany May 30-June 3

Invitation to the next EDXC Conference 2012 in Germany, combined with the Annual General Meeting of the Danish Shortwave Club International.

Dear Dx-Friends all over the World: The EDXC (European DX Council), The German Rhein-Main-Radio-Club and the Danish Shortwave Club International cordially invite you all to the above Conference, to be held in Germany: Hotel Landgut Ochsenkopf, Duebener Heide, Sachsen-Anhalt. D-06773 Rotta Ortsteil Ochsenkopf.

PLEASE OBSERVE : Hotel room reservations are only possible through the Main Organizer : Dr. Harald Gabler, E-Mail : DrGabler@t-online.de, Hgabler@gmx.de. In shared Double-Room : EUR 33,-- /night, including breakfast. In Single-Room : EUR 48.-- /night including breakfast.

How to get there: If you fly to Berlin-Tegel, take a bus or taxi to Berlin Hauptbahnhof, Main Railway Station. If you fly to Berlin-Schoenefeld (Berlin-Brandenburg Airport) then please

take the S-Bahn (local train) to Berlin Hauptbahnhof. From there every hour ICE-Trains are running to Lutherstadt Wittenberg, about 40 minutes ride with ICE-Train. From Lutherstadt Wittenberg you can take a taxi to Hotel Landgut Ochsenkopf -- about 15 Kms.

The Preliminary Programme: May 30, Wednesday Arrival at the Hotel. May 31, Thursday 10.00 hours: Excursion to Woerlitz --duration at least 3 hours. 15.00 -- 18.00 hours: Lectures. June 1, Friday 10.00 -- 12.00 hours: EDXC Matters. 15.00 -- Excursion to Wittenberg : The Church of Martin Luther. Evening hours: Presentation Receiver/Antenna. Listening to the radio, conversations, to see a film / Alternative programmes for the ladies. June 2, Saturday 10.00 -- 13.00 hours: Excursion to Bauhaus plus Meisterhaeuser. 15.00 -- 17.00 hours: Danish Shortwave Club International, Annual General Meeting. 17.00 hours: Lecture. 19.30 hours: Banquet Dinner. June 3, Sunday 10.00 -- 13.00 hours: 2 Lectures. Afternoon: Radio Transmission on Shortwave through Sitkunai Transmitter. Evening: Panel Discussion: The Future of the Shortwave: Wolf Harranth, Anker Petersen, Manfred Boehm. June 4, Monday Departure home or tourism in Germany on your own.

Conference Fee : EUR 125,-- including : Use of the Conference Room, Lectures and Excursions, Banquet Dinner. To be paid to Dr. Harald Gabler. Each Excursion costs EUR 25,-- per person. Conference Fee : EUR 25,-- per person. Banquet Dinner EUR 25,-- per person. So, for example, if you wish to participate on each excursion, then you will pay to Dr. Harald Gabler $3 \times 25 = 75$ for all excursions plus 25 for Conference Fee plus 25 for Banquet Dinner, altogether EUR 125,-- With very best wishes and greetings, Tibor Szilagyi EDXC Secretary General E-Mail : tiszi2035@yahoo.com.

News from Galcom International

Tim Whitehead, Galcom International's Executive Director, sends the following report on the latest developments at NASB associate member Galcom International.

We are saddened by the recent passing of one of the Galcom ministry co-founders, Ken Crowell. So I write with a heavy heart and yet a sense of peace and joy for the legacy Ken has left through a life of faithful commitment to the Lord. I pray that his example of humility and dedication to the Lord will continue to influence all of us at Galcom.

The foundation that our co-founders laid has put us in position for great things this year. Our Research and Development team has just completed the design of a combined radio and audio Bible. Our field technicians have already worked on radio station installations in Belize and South Sudan and plans are underway for installations in the D.R. Congo, Paraguay, Rwanda and Greenland. One of our ministry partners in haiti is seeking 160,000 radios over the next five years and we are producing 40,000 radios for another partner in South Sudan.

In our "Stay Tuned" newsletter (available on www.galcom.org) you will read some amazing testimonies of the impact of Christian radio around the world.

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