

285 TechConnect Radio Club

Club Meeting for January 2012

Agenda

- **Bob Dotson** KD☐BRA
- **Any First-time Visitors/Guests?**
- **New member: Stephen Manion (KD☐MFT) +?**
- **Donations to the Club from Jarret (NM☐V) and Jessie Rush**
- **Club Business**
- **Questions & Answers**
- **Propagation Update**
- **Info of General Interest**
- **Solve the Problem**
 - **Dale Keller, ACØST**
- **Going Forward in 2012:**
 - **Review meeting evaluation summary**
 - **Discuss changes for 2012**

Club Business

- **New Attendance Sheet with Member Contact Info**
- **Elections**
- **Club Financials**
 - **Review 2011 Year End balance & 2012 budget**
- **Field Day?**
- **TechFest plan for 2012**
 - **New venue**
 - **Revise plan for selecting presenters**

2012 Election Results

- **President:**
 - **Frank Ivan** K☐FEI
- **Vice President:**
 - **Scott Bakke** KI6IKC
- **Secretary/Treasurer:**
 - **Jim Stitt** KA☐NZZ
- **(Marketing/PR):**
 - **Nancy Stitt** K☐NNC
- **(TechNet Manager):**
 - **Robb Sutter** KC☐ZGK

2011 Year End Financial Statement

285 TechConnect Radio Club, NAØTC -- FINANCIAL STATEMENT
2011 YEAR END

Category	Amount
January 1, 2011 - start of year balance	\$1,368.26
Dues, 2011	\$165.00
Income, TechFest & 2012 dues	\$523.00
Income, sale of donated equipment from AIOW	\$490.00
Income, Ensemble II kits from club members	\$1,324.00
Income, outstanding check S. Finch never cashed	\$25.00
Expenses, Colo. Council of Amateur Radio Clubs	-\$8.40
Expenses, P. Krause, coffee supplies	-\$12.65
Expenses, P. Krause, Ensemble II kits, parts, mailing	-\$1,404.91
Expenses, N.Stitt, GoDaddy website, 2 yr.	-\$89.82
Expenses, N. Stitt, 5 year anniversary pizza lunch	-\$93.02
Expenses, DRC, table at DRC Ham Fest	-\$12.00
Expenses, Gas card for WG0AT	-\$25.00
Expenses, Donation to New Mexico Ham convention	-\$25.00
Expenses, B. Leonard, projector bulb	-\$164.10
Expenses, B. Leonard, 5 gas cards for TechFest	-\$125.00
Expenses, J. Stitt, prizes/printing/supplies for TechFest	-\$184.38
Expenses, donation to Intercanyon Fire Station	-\$100.00
Expenses, deposit to Lakewood Elks for 2012 TechFest	-\$50.00

December 31, 2011 - year end balance

\$1,600.98

2012 Budget

2011 Year End Balance, \$1600.98

Category	Projected Expense	Projected Income
CCARC (Colo. Council of Amateur Radio Clubs)	\$9.00	
GoDaddy Doman Name **	\$0.00	
Biennial GoDaddy **	\$0.00	
Secretary of State annual	\$10.00	
Denver Radio Club HamFest Table	\$12.00	
Field Day expenses	\$30.00	
TechFest expenses	\$250.00	
TechFest venue	\$200.00	
Projected income (dues, TechFest)		\$650.00
		Projected year end balance for 2012:
		\$1,740.00

**domain name and website paid every 2 years; paid June 2011

Club Business – 2012 Schedule

Club Meeting Dates:

- January 7
- February 4
- March 3
- April 7
- May 5
- June 2
- July -no meeting (due to Field Day)**
- August 4
- September 8 (2nd Saturday due to Labor Day)**
- October 6
- November 3 (TechFest)
 - Location:** Lakewood Elks Lodge - 1455 Newland St., Lakewood
- December 1 (Holiday lunch at TBD)

Club Business - Member Info

- Bring name badges/hats to meetings
- New 2012 Members/Attendance sheet
 - Check Attendance box on new Attendance/Info Sheet
 - Verify Member Info is correct
 - Plan is to send out email addresses of all members to all members (only)
 - **Notify President if you do not want your email info sent to members**

2012 Field Day

- Team up again with QRP Club
- QRP Club won first place (in class) in 2011 😊

TechFest Plan

- **Mid-March:**

- Call for presenters and topics
- Responses due by mid-April

- **June 1:**

- Request 1 page summary of presentation from selected candidates
- Summaries due by July 1.

- **Select committee to review all presentation summaries:**

- Committee to select five presentations by mid July
- Request rough draft of selected presentations (due by mid-August)
- Submit any suggestions back to presenters by TBD
- Backup presentations ???

- **TechFest Lead: Nancy K  NNC**

Club Business – TechFest

- **Theme:**
 - Open (any topic)
- **Date:**
 - Saturday November 3
- **Format:**
 - Welcome at 8:45 a.m.
 - Five presentations:
 - Start at 9:00 a.m.
 - End by 4:00 p.m.
 - 45 minute each
 - 10 minute Q&A
 - 5 minute break
 - 1 hour break for lunch
 - Demo + ?
- **Cost:** raise to **\$TBD**
- **Location:**
 - **Lakewood Elks Lodge - 1455 Newland St., Lakewood**

Club Business – TechFest

- **New Location:**
 - **Lakewood Elks Lodge - 1455 Newland St., Lakewood (basically Colfax and Newland -- across the street from the old JCRS Shopping Center and the old Casa Bonita**
 - **Cost: \$200**
 - **Seating: 250+**
 - **Sound system included in price**
 - Quiet room with good acoustics
 - **Handicap accessible**
 - **Kitchen and catering services available**
 - **Adequate (convenient) parking**
 - **Separate rooms available for demos, side discussions, etc**
 - **Snow plowing of the parking area included**

Future Topics/Projects

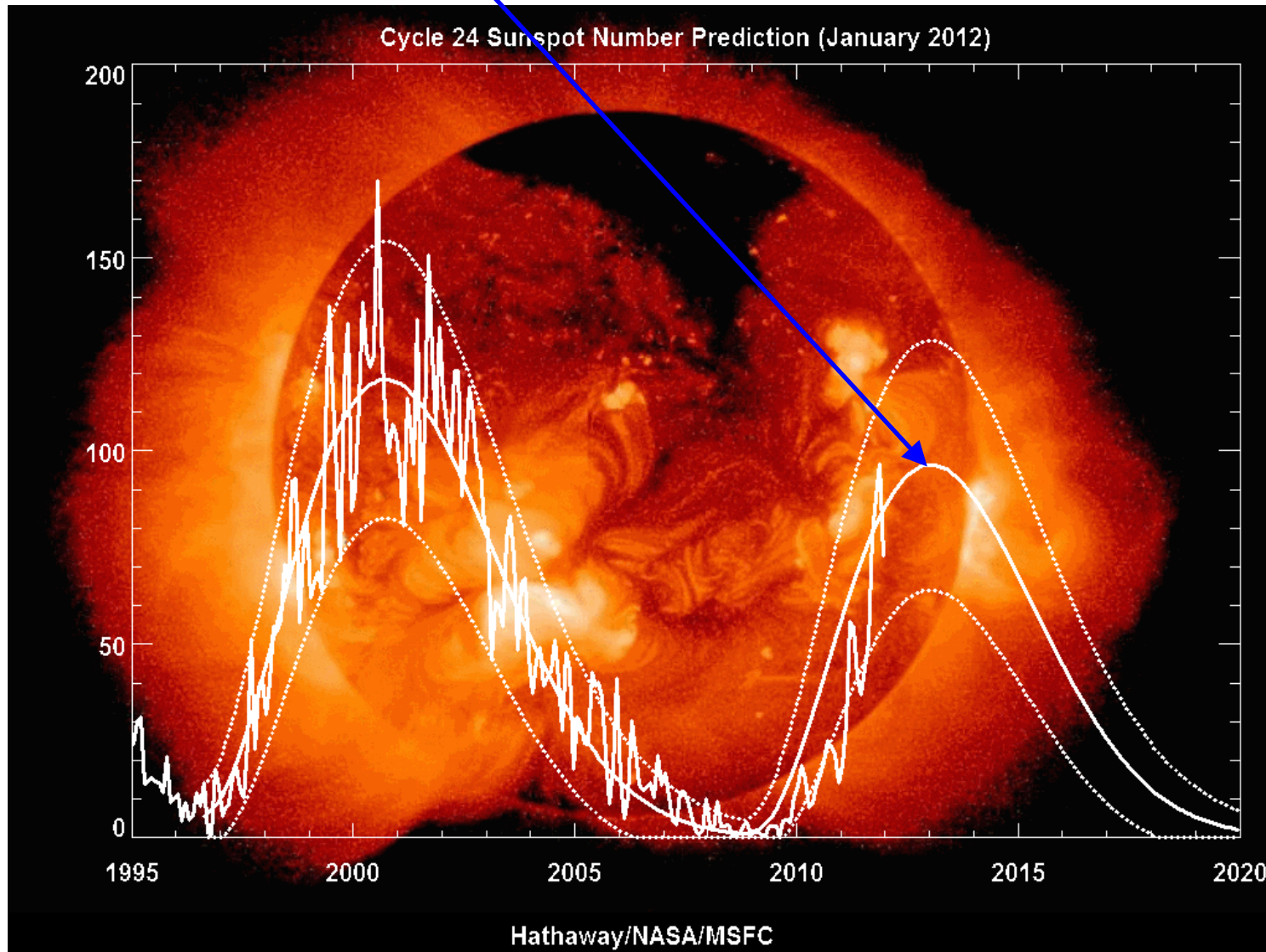
- **Antennas:**
 - **What presentations?**
 - **What projects?**

Questions & Answers

- **Questions from TechFest**

HF Propagation Update:

Latest prediction: Maximum SSN of **99** in **February 2013** (higher but sooner)



Genesis G59 HF SDR Transceiver Kit



Genesis G59
160 - 6m SDR Transceiver

Genesis G59 Specs

•Receiver:

- Synthesizer with 1Hz step
- IIP3: >+32 dBm (Icom IC-7600: +30 dBm)**
- MDS: -132 to -134 dBm
- RX Sensitivity: 0.15-0.2 uV for 10 dB S/N ratio (Icom IC-7600: 0.11 uV)**
- Image rejection:
 - 35 dBc to -50 dBc (hardware)
 - Better than -80 dBc (hardware + software)
- Spurious free dynamic range: >100 dB (Icom IC-7600: 100 dBm)**
- Receiver 1 dB compression point: + 10 dBm
- Second RX antenna input

•Transmitter:

- Output power:
 - G59: >10 mW
 - GPA10 Linear Amplifier: >10 W (adjustable)
- Carrier suppression: 45-60 dBc (hardware)
- TX Image Rejection:
 - 35 dBc to -50 dBc (hardware)
 - >60 dB with GSDR software
- Built-in microphone preamplifier and IAMBIC keyer (with CW monitor)

•**Software:** GSDR (modified FLEX Radio Power SDR)

•**Cost (kit): ~\$400 USD (600+ parts + free software)**

Solve the Problem

- Dale Keller AC  ST

Going Forward in 2012- Meeting Survey

- What did you like best about club meetings in 2011?
 - Technology Focus
 - Good variety
 - Location/parking
 - Organization
 - All the presentations
- What would you like to see each year
 - More show and Tells
 - One show and tell with pizza
 - Technical themed show and tell (not just general)
 - Field Day??
 - Summer picnic
- What could we have done better/what should we change?
 - Links on website – no additional info provided and no name??
 - Not jam too much into one talk
- What topics would you like to see for club meetings?
 - Added to master list
- Would you be willing to do a presentation? If so, please give us your name and your topic:
 - Yes (3) – no names or topics provided
- Was the technical level of the meetings 10 just right ___too technical 1 not technical enough
- Was the length of the meetings 10 just right ___too short ___too long
 - End by noon
- Meeting format: What would you change, add, delete
 - Good now
 - Question and answer??
- Would you be willing to be an officer of the club:
 - Only one name submitted (no position?)
- Any other comments:
 - One or two topics per meeting is about all I can grasp