



MIDLAND AMATEUR RADIO CLUB
PO BOX 1049, MIDLAND, MICHIGAN 48641
www.w8kea.org

President	Lee Hodges KC8ITI	(989) 374-0032
Vice President	Chris Rose KB8UIH	(989) 832-7179
Secretary	Linda Hodges KC8MUD	(989) 374-0032
Treasurer	John Wolters W8QN	(989) 832-9122
W8KEA Station Trustee	Larry Macklin N8CGP	(989) 631-7748
Midland County EC/RO	John Wolters W8QN	(989) 832-9122
Midland County AEC	Chris Rose KB8UIH	(989) 832-7179
Newsletter Editor	Pat Mullet KC8RTW	(989) 828-6657
Newsletter Publisher	Michael Vecchitto KB4EIZ	(989) 832-3932
ARRL Liaison	John Tallman KB8PGW	(989) 859-0364
Web Page Chairman	John McDonough WB8RCR	(989) 631-0178
Club Historian	Stan Rowe K6VWE	(989) 837-7252
Quartermaster	Bill French AB8JF	(989) 835-5562
Public Information Officer	Pat Mullet KC8RTW	(989) 828-6657
Field Day Committee	John Tallman KB8PGW / Ch	(989) 859-0364
	Keith Johnson KB8SOE	(989) 488-4337
	Michael Vecchitto KB4EIZ	(989) 832-3932
	Jeff Mowery N8KS	(989) 488-4466
	Pat Mullet KC8RTW	(989) 828-6657
Swap Committee	Keith Johnson KB8SOE / Ch	(989) 488-4337
	Michael Vecchitto KB4EIZ	(989) 832-3932
	Jeff Mowery N8KS	(989) 615-3715
	Pat Mullet KC8RTW	(989) 828-6657

LIFE MEMBERS

Jack W8PHG, Larry K8SQB, Don W8WOJ, Lee KC8ITI, Raleigh W8QOI (SK)

Midland County Public Service Net, Thursdays at 9 PM
W8KEA Repeater — 147.000 MHz+ PL 103.5 • W8QN Repeater — 443.325 MHz+ PL 103.5
W8KEA Digipeater — 145.090 MHz

Next ARES®/RACES Meeting — Thursday January 6, 2011

Midland County Services Building, 220 W. Ellsworth St 6:00 PM

Next CLUB MEETING — Thursday January 6, 2011

Salvation Army Building, 330 Waldo 7:30 PM

January 2011

View from the Top of the Tower

Lee Hodges, KC8ITI

I hope you are having a wonderful holiday season with family and friends. It looks like winter has finally hit with a vengeance. I'd not started the snow blower since unloading it from the trailer during our move this spring. Luckily, it started with the second pull. The good news is I have less driveway to clear here than I did at the old house last year. Now that it's perfect antenna weather, I stare out the back window wishing I would've put more wire in the air for these long winter nights of chasing radio waves across the bands. I say a prayer every night that what antennas I do have up will stay up there through the winter months.

According to our EC/RO John, W8QN it's time for new RACES cards. RACES cards will be issued at a special ARES/RACES meeting on 1/6/2011 at the County Services Building. Meeting time is 6 PM. For RACES requirements and more information call John.

We've finished up our Technician class for this fall. Our two students did well on the practice exams that we gave at end of the

**When all else fails ...
...Amateur Radio!**



class. My thanks to Bob, W8LSS, Denny, WD8BPT, and Pat, KD8IVZ for helping out with the class this time.

Speaking of classes, we are still on track to offer a General license class after the first of the year. I'm working on the course material now. We also may be offering another Tech-

nician license class in the near future. As soon as I can, I'll lock down some dates and locations for these course offerings.

The VE team had a testing session on November 29th at the Salvation Army Building. We had four candidates appear for testing with the following results:

Terry Chrivia passed element 2 (Technician) and now is KD8PDD.

Leesa Battershell passed element 2 (Technician) and now is KD8PDE.

Bonnie Schoun passed element 2 (Technician) and element 3 (General) and now is KD8PDF.

Both Terry and Bonnie completed our Tech class. Leesa started our Tech class but due to circumstances, finished studying on her own with help from some of our club members. Congratulations to all of our successful candidates. Thanks to all of the VE team members that gave us a hand with this testing session. By the way, I'd like you to know that Bonnie passed both tests with perfect scores. Way to go Bonnie.

Our club had an entry in the Midland Santa Parade on November 20th. The entry consisted of the Salvation Army's communication van and Bill, AB8JF and Dorie's, N8WTQ van. Dorie, her granddaughter and my granddaughter walked the whole route passing out candy. Thanks to Denny, WD8BPT for bringing the Salvation Army's communication van and Bill for riding shotgun with me in their van. This is a great way introduce our club to the public.

We had good attendance at our club Christmas Party on December 3rd. As usual the food was great and the company was the best. This year thanks to Denny, WD8BPT we had entertainment. His daughter is a member of the Sweet Adelines so Denny made arrangements for the group to serenade us at the Christmas party. It looks like everyone had the same idea as I did for white elephant gifts this year. It seems like people decided to clean

out duplicate and old books from their libraries. I saw a lot of vintage and useful volumes change hands. I sure got a kick out of going through a 1945 ARRL handbook. My, how things have changed. For those of you that attended, I hope you had as good of a time as Linda and I did.

We're still looking for older newsletters to complete our club history project. Thanks to Bob, W8LSS we've gained a few more copies from the 1970's but we still need to fill in some gaps in our collection. If you happen to run across some vintage club newsletters, give Dennis, N8ERF or myself a call and we will see if we are missing what you have.

As I was doing my periodic "this room is a mess" cleanup I ran across our club roster handout and was surprised to see that the modification date was late 2006. Needless to say it's time for an update. I have the latest version completed and I've made some printed copies that will be available at the club meetings. If you would like an electronic copy let me know what format you can handle and I'll email you the latest and greatest. I have both spreadsheet and text formats available.

It's time to get back to tidying up the Tech and General class presentations. Of course the VE question pool committee has thrown me a curve by announcing a new General question pool to be used after July 1st 2011. It seems like I just updated the General class presentation. My, how time flies when you're having fun. I'm wondering if it would be better to come up with our own study guide for the various license classes instead of relying on the other publications. I think with our own material it would be easier to make changes when the question pools do change. I guess I'll have to give that some more thought.

Best regards, Lee - KC8ITI

MARC MEETINGS

Chris Rose, KB8UIH, is in charge of special events and topics for the MARC monthly meetings. If you have any agenda items, or topics for the meetings, please contact Chris at (989) 832-7179, or via e-mail: kb8uih@arrrl.net

COMMUNICATIONS

Pat Mullet, KC8RTW, is in charge of communications and publicity for the club. If you have any questions or ideas regarding these areas, please contact Pat at kc8rtw@arrrl.net

EXAMINATION SCHEDULE

Saginaw - All future VE testing will be done on an appointment basis only.

Corunna - Contact Thomas Carpenter (517) 579-0599 ki8as@charter.net.

Bay City - All future VE testing will be done on an appointment basis only.

Isabella/Clare Counties - Contact Gus Glass, K8GUS at k8gus@arrrl.net

With all examinations, your original license, a copy of that license, a second photo identification (drivers license, etc.) and a check or money order for \$15.00 made out to "ARRL/VEC" are required.

The address listed below gives testing sessions scheduled for Michigan. <http://www.arrrl.org/arrrlvec/exam-search.phtml?State=MI>

AUTOPATCH

All Midland Club members have autopatch privileges. If you do not have the instructions, contact N8CGP for a copy. Please do not pass on your copy.

SUBMISSIONS FOR NEWSLETTER

Contact Pat Mullet, KC8RTW at kc8rtw@arrrl.net if you want to submit anything for the newsletter.

I need your items by the 15th of the month. Anything received after that may not make it into the newsletter for that month.

If you prefer to download the MARC newsletter from our web site, or have trouble with delivery via USPS, contact Michael, KB4EIZ, at kb4eiz@yahoo.com.

MEDIA HITS!

Have you seen or heard mention of the Midland Amateur Radio Club in the news or in the paper? If so, please forward it, or mention of it to either Pat, KC8RTW (kc8rtw@arrrl.net) or Lee, KC8ITI (kc8iti@arrrl.net)

MARC Minutes Linda Hodges, KC8MUD

The meeting was called to order at 7:35 P.M. by Lee KC8ITI with 21 in attendance. Introductions were made and a sign-in sheet was passed around.

- Any additions or corrections of the meeting minutes published in the newsletter should be brought to the

attention of the secretary.

- Treasurer's report- John W8QN- On File.

- EC/RO Report- John W8QN- Races cards expire in December. New ones issued 1/6/11 meeting at 6 pm at the County Services Building. IS 230 now

needed for RACES members. Let John know if you're a RACES member and you can't make it.

- Class Wrap –up- Lee KC8ITI- Started with four and ended up with two students. Thank-you to all who helped.

- Club Class Schedule- Lee KC8ITI- Will start General Class at the end of January or the first of February. Extra class will start after that.

- VE Exam wrap-up- Last Monday, there were four candidates and nine VE's. Ended with two new Techs and one General.

- Midland Santa Parade wrap-up- Dorie N8WTQ- Thanks to Lee's granddaughter, Bill and Dorie's granddaughter and Denny with Salvation Army SATERN van.

- Club Christmas Party- Dorie N8WTQ- Tomorrow at the Lee Township Hall. 5:30 social time, 6:00 pm. serving. Don't forget your white elephant gift.

- Old Newsletters- Lee KC8ITI- Still looking for old newsletters. Please check and see if you have any. Call Lee KC8ITI or Dennis N8ERF.

- Club Website- Lee KC8ITI- Work needs to be done on the club web site.

John WB8RCR, Keith KB8SOE and Lee KC8ITI will discuss changes.

- New Club Rosters- Lee KC8ITI- Lee created a new roster for people to refer to. Check your entry and let Lee know if any changes need to be made.

- Special Event - Skywarn Recognition Day, Saturday 12/4, White Lake Open House. Tours.

- Antenna Raising- Ryan KD8RCR- Looking for help raising an antenna. See Ryan for details.

- Century Club- Help people get the "Worked all States" certificate. Lee says exec committee will discuss this further.

- NET CONTROL:

Dec 9th Keith KB8SOE

Dec 16th John W8QN

Dec 23rd John WB8RCR

Dec 30th Lee KC8ITI

- Presentation- Chris KB8UIH – All about APRS.

Meeting adjourned at 8:55 pm.

Minutes taken by Dorie N8WTQ.

Typed by Linda KC8MUD.

Respectfully submitted,

Linda KC8MUD

MARC Secretary

My Two Cents

Pat Mullet, KC8RTW

Last month, Lee, KC8ITI; Denny, WD8BPT and Bob, W8LSS showed up at my QTH on a blustery Friday afternoon and helped me get my G5RV antenna up in the air. I say "helped," but in truth, they did most the work, while I pulled cables and schlepped tools. Once it was in the air, we hooked in my rig and tuner and spent a frustrating period of time trying to get it to load up—tuners work so much better when you aren't transmitting into the dummy load. Once that little problem was cleared up, it loaded up on pretty much everything but the 80 meter band.

After a few days, I was able to free up some time to actually get on the air. Forty and 20 meters were both up, and I made contacts in both Georgia and New Jersey. On the second day, I tuned up a very strong 20+ signal into Alaska, a state I hadn't worked as yet. The gentleman was ragchewing with a Montanan ham out in 0-land, and I was picking it up via gray line. Not wanting to be rude, I didn't break in my waited for them to sign—I really wanted that KL7. The conversation

finally wound down about an hour later, just in time to lose the path and the signal drop down to a 1 on the S meter. I'll get him next time.

Just to balance out the scales, Mother Nature had a good one up her sleeve. On Monday, November 29th, my sister's dogs got tangled up on their leashes, and I went out to straighten them out. On my way back into the house, I took a misstep, twisting on the way down and landing on my back. At first blush, nothing seemed wrong, but given my history, I decided that discretion was the better part of valor and called 911. As they tried to help me to my feet, I felt pain in the small of my back and my shoulder, so I opted to go to the hospital. X-rays and tests showed nothing wrong other than strained muscles and it was decided that I needed to do a stint of rehab.

I spent a week in Gratiot County Hospital in their rehab program, working out most of the kinks and was discharged on Wednesday morning. After getting home, I quickly found that my back had its own

Upcoming Events

Jan 1	Straight Key Night
Jan 2	Kid's Day
Feb 14-18	School Club Roundup

Michigan Hamfests

Jan 16, 2011	Hazel Park
Feb 12, 2011	Cherryland
Feb 20, 2011	Livonia
Mar 19, 2011	Marshall
Apr 2, 2011	Lowell
Apr 16, 2011	Milford
May 7, 2011	Cadillac
Jun 18, 2011	Midland
Jun 19, 2011*	Monroe

* denotes tentative date based on 2010 event

Area Nets

SVARA; Mn, 147.24 MHz, 2100 ET
Gladwin; Tu, 147.18 MHz, 2000 ET
BAARC; Tu, 145.31 MHz, 2100 ET
Canadian Lks, Wed, 146.8, 2100 ET
Edmore, Th, 146.8, 2000 ET
MARC; Th, 147.00 MHz, 2100 ET
District 3 ARPSC; Su, 145.31 MHz, 1800 ET
W Mi Trffc Net; MWF, 145.15 MHz, 0900 ET
TMMTN; Mon-Sat, 147.30 MHz, 2130 ET
MACS; Mon-Sat, 3953 kHz 1100 ET
MIARPSC; Su, 3932 kHz, 17:00 ET
UPN; Sun-Sat, 3920 KHz, 17:00 ET
MITN; Sun-Sat, 3952 kHz, 1800 ET
QMN; Sun-Fri, 3563 kHz, 1830 & 2200 ET
WSSBN, 3932 kHz, 1900 ET
UP-ARES; Fr, 3932 kHz, 1930 ET
GLETN; Sun-Sat, 3932 kHz, 2030 ET
SEMTN; Sun-Sat, 145.33, 2215 ET

MARC MERCHANDISE

T-Shirt	S- XL	\$10
	2X - 3X	\$12
Long-Sleeve Tee	S- XL	\$12
	2X - 3X	\$15
Crew Sweatshirt	S- XL	\$18
	2X - 3X	\$20
Hoodie	S- XL	\$24
	2X - 3X	\$26
Zipper Hoodie	S- 3X	\$30
Winter Coat	S- XL	\$42
	2X - 3X	\$45
Spring Jacket	S- XL	\$32
	2X - 3X	\$35
Hat		\$10

All garments are royal blue with white print and embroidered name and number. Extended sizes available.

Please call Bill Lee at B&C Sportswear with questions @ (989) 839-4537.

idea about how much rehab it needed; it was still tight and painful enough to prevent me from getting out of normal chairs, so I took another trip back to the hospital and after a night of observation

was transferred to my old stomping grounds, Tendercare, in Mt. Pleasant. After four days of rehab, I'm happy to report that the muscles are stiff and sore from the exercise, but the back is loosen-

ing up, and I'm hoping to be home by the time this sees print.

Maybe then I can work that KL7!

73, Pat, KC8RTW

ARES®/RACES

John Wolters, W8QN

It is now time to renew the Midland County RACES cards.

The ARES / RACES group will meet at the County Services Building, 220 W. Ellsworth St., at 6 pm Thursday January 6th. At this meeting we will review the equipment setup and for those with RACES cards, have pictures taken and new cards issued.

Training requirements for RACES cards are the following FEMA classes: IS-100.b, IS-200.b, IS-230.a, IS-700.a, IS-800.b.

You should have completed all the classes with the possible exception of IS-230 which is a new requirement by our local emergency manager.

The people that I have documentation showing completion are (with the

possible exception of IS-230): Kevin Barnum, Dan Cline, Charles Cribbley, Lee Hodges, John Hutchinson, Keith Johnson, Walt Kline, Dennis Klippa, Del LaFavor, John McDough, Chris Rose, Stan Rowe, Pat Russell, John Tallman, Bob Winchester, and John Wolters.

The following people I understand have RACES cards issued but my documentation of their class completion is incomplete. If these people wish to be reissued a new RACES card they need to contact me to correct my records or take the required classes and forward the successful completion e-mail to me: Bill Albe, Dennis Caney, William French, Doris French, Roger Halstead, Ruth LaFavor, Ryan Lughermo, Larry Macklin, Pat Mullet, Sharon Winchester, Di-

ana Hughes, Mary Branson.

If you are in neither list and wish to have a RACES card either issued or renewed please contact me prior to January 6th.

The pointer to the FEMA web site is <http://training.fema.gov/IS/crslist.asp>

Again, the January ARES / RACES meeting will be held in the County Services Building, 220 W. Ellsworth St., at 6 pm.

If you cannot make the meeting and wish to renew your RACES card please contact me.

John Wolters

EC/RO Midland County

989-859-2882

989-832-9122

Wanted - MARC Newsletters

Looking for any newsletters prior to January 1984 as well as the following:

February 1984

March 1984

May 1984

June 1984

July 1984

August 1984

September 1984

August 1985

September 1985

January 1986

If you happen to have any of these newsletters contact Dennis - N8ERF or Lee - KC8ITI

Search and Rescue Group Forming in Midland

I am sure that most of you have heard that there is a citizen volunteer search and rescue group forming in Midland County. Well, in an effort to let you know about the status of the group let me tell you about the latest training exercise that took place on Sunday November 28th. The K-9ONE Search and Rescue group based out of Genesee County was scheduled to have a practice session in Midland County and they volunteered to increase the scope of their exercise to include some of the Midland folks that are new to search and rescue. There are about fifteen people in our

County that have taken the basic Search and Rescue Operations (SAROps) course, close to a dozen of those folks have also taken the Basic Search Management class and eight of those folks have also taken the most advanced Search Management Tactical Planning course that is available in the State of Michigan.

While we have several classes under our belts we don't have any practice putting that training to work and that is what K-9ONE offered to help us see and experience during the training at Vets Park in Sanford. Everyone that attended

was an Amateur Radio operator and the Salvation Army's Communication Vehicle was used at the Command Post for the event. Midland County Search and Rescue still has a long way to go before we can become operational but we are making progress. The plan is to use Amateur Radio for all the communications needs of the SAR group, which is what the K-9ONE group does as well. For those that may have interest in starting to learn about search and rescue there will be a SAROps class in Midland County. It is scheduled to be held on April 15, 16 and 17th, 2011, at a

Explore the World with Amateur Radio!

location yet to be determined. The cost will be \$50 and will include four hours of classroom training on Friday, about twelve hours of field work on Saturday and about eight hours of field work on Sunday. This is the basic class that will get you familiar with how a ground search team functions when called out.

If being a ground search member is not your cup of tea there are other options as well, we will need HAMS that are willing to sit in a vehicle and watch roads to make sure to see the subject of the search walks out on to a roadway, operators that can shadow key management people and few other spots

as well. If you have interest please contact Keith Johnson, KB8SOE at kb8soe@arrl.net or see our website at <http://www.midlandsar.org>

Keith
www.kb8soe.com

Amateur Radio is a Contact Sport!

New Rules Governing Vanity, Club Station Call Signs to Take Effect February 14, 2011

(ARRLWeb—Dec 15, 2010) On Wednesday, December 15, new rules affecting vanity and club station call signs within the Amateur Radio Service were published in the *Federal Register*. These new rules will go into effect on Febru-

ary 14, 2011. Thirteen months ago, the FCC announced its intention of modifying Part 97 as it applies to the vanity call sign system and club station call signs, aligning the rules to prior Commission decisions. Last month, the

Commission released a *Report and Order* (R&O), outlining its decision. Along with the changes to the call sign rules, the FCC made "certain minor, non-substantive amendments" to portions of Part 97.

British Man Convicted for Deliberate Interference, Operating Without a License

(ARRL Letter—Dec 2, 2010) Clive McMurray of the British town of Hull (located about 45 miles southwest of York) was convicted and sentenced on November 22 for causing deliberate inte-

ference to Amateur Radio users and unlawfully using radio equipment without a license. According to the Radio Society of Great Britain -- that country's IARU Member-Society -- McMurray

caused interference to operators in the Hull region of Humberside between June-November 2009.

FCC Issues Retailer Second Citation in 18 Months for Marketing Non-Compliant RF Devices

(ARRL Letter—Dec 2, 2010) On November 23, the FCC issued a Citation to Hobby Lobby International (HLI) for marketing non-compliant radio frequency devices. According to the Commission, these devices were in violation of Section 302(b) of the *Communications Act of 1934, as Amended* and Section 2.803(a)(1) of the Commission's Rules. In July 2009, HLI was also issued a *Cita-*

tion for the same reason. This time, HLI was found to be selling an unauthorized radio frequency device, specifically the JETI Duplex 2.4 GHz System for radio-controlled models. This system consists of a transmitter and receiver used for remote control of model aircraft, boats, and cars. The FCC *Citation* warned that if, after receipt of the *Citation*, HLI violates the *Communications Act* or the

Rules "by engaging in conduct of the type described herein, the Commission may impose monetary forfeitures...as well as criminal sanctions, including imprisonment." HLI has 30 days to respond to the *Citation*, either through a personal interview at the FCC office in Atlanta or via a written statement.

Straight Key Night January 1, 2011

ARRL Introduces Book on Selecting, Using Antenna Tuners

(ARRL Letter—Dec 9, 2010) Antenna tuners are devices often misunderstood in the Amateur Radio world. While not every station requires an antenna tuner to transmit radio signals, without one an incompatibility between the transmitter and the antenna system can result in poor performance. *The ARRL Guide to Antenna Tuners: A Radio Amateur's Guide to Antenna Matching*

by Joel R. Hallas, W1ZR, will help you understand how to select the right tuner for your needs and how to use it in your shack.

The ARRL Guide to Antenna Tuners discusses the details of the different configurations and requirements of antenna tuners. It explores the design, construction and applications of the different types available. You'll be able to deter-

mine if one is necessary in your station, what type of tuner is needed and where to install it for maximum improvement. This book will give you a better understanding of your antenna system and the way it can be improved through the selection and use of the appropriate antenna tuner.

Body of Veteran Balloonist Richard Abruzzo, KC5VWK, Found off Italian Coast

(ARRL Letter—Dec 9, 2010) The bodies of famed hot-air balloonist Richard Abruzzo, KC5VWK, of Albuquerque, New Mexico, and a companion were discovered on Monday,

December 6 deep underwater off the coast of Vieste, Italy. Abruzzo, 47, and Carol Rymer-Davis, 65, of Denver, Colorado, had been missing since September 29 when they lost contact with officials

during a balloon race, after their balloon made a rapid descent during rough weather.

NCVEC Releases New General Class Question Pool

(ARRL Letter—Dec 9, 2010) The Question Pool Committee (QPC) of the National Conference of Volunteer Examiner Coordinators (NCVEC) released the new General class (Element 3) question pool on Tuesday, December 7. This new question pool -- including graphics and

diagrams -- will become effective for all General class examinations administered on or after July 1, 2011; it will remain valid until June 30, 2015. The current General question pool that became effective July 1, 2007 will expire June 30, 2011. The new General pool contains 457 ques-

tions, from which 35 are selected for an Element 3 examination. The current Technician class question pool that was effective July 1, 2010 is valid through June 30, 2014. The current Amateur Extra class pool that was effective July 1, 2008 is valid until June 30, 2012.

Amateur Allocation at Lower MF Gains Formal Support in the Americas

(ARRL Web—Dec 09, 2010) A secondary allocation to the Amateur Radio Service at 461-469 and 471-478 kHz gained inter-American support in meetings held earlier this month in Bogota, Colombia, with the Permanent Consultative Committee II (PCC.II) of the Inter-

American Telecommunication Commission (CITEL) adopting the US position for the MF allocation. World Radiocommunication Conference 2012 (WRC-12) Agenda Item 1.23 calls on participants "to consider an allocation of about 15 kHz in parts of the band 415-526.5 kHz

to the Amateur Service on a secondary basis, taking into account the need to protect existing services."

Canada—which had previously supported a secondary allocation at 472-487 kHz—withdrawed that support and aligned itself with the US at the meeting in

It's Not Your Grandfather's Amateur Radio!

Bogota. Over the course of the meeting, Argentina, Brazil, Colombia, the Dominican Republic, Uruguay and Venezuela signed on to have CITEL present the agenda item at WRC-12 as an Inter-American Proposal (IAP). The support of six countries is required for a proposal to gain IAP status. The US agreed to support the allocation earlier this year, despite initial opposition by maritime interests.

As a member of the US delegation, ARRL Technical Relations Specialist Jon

Siverling, WB3ERA, attended the meeting, serving as Rapporteur for the agenda item. IARU Region 2 President Reinaldo Leandro, YV5AMH, was also in attendance on behalf of the IARU. The adoption of an affirmative IAP on Agenda Item 1.23 represents an important milestone in the ARRL's and the IARU's international advocacy efforts.

ARRL Chief Executive Officer David Sumner, K1ZZ, explained that while the milestone is important, there is still work to be done on the agenda item to

maximize success at WRC-12: "While we still face an uphill battle internationally, gaining the support of one of the major regional telecommunications organizations this early in the process improves our chances for achieving an allocation at WRC-12."

CITEL is one of six regional telecommunications organizations whose formal positions carry significant weight during deliberations at a WRC. The WRC-12 is scheduled for January 23-February 17, 2012 in Geneva.

Swap 'n' Shop

For Sale: Excess toroid cores, Fair-Rite 2.4" OD type #31 mix @ \$5.90 each. Ideal for baluns 160 through 6 meters. You can build a good current balun for about the price of a cheap commercial one and get far better isolation. I purchased a 100 of the things

and will only use about half.

Also, two MFJ 989C Versatuners--full legal limit--\$175 each. They are going for a bit over \$200 each on eBay. Roger (K8RI)

Small Tower Needed: A co-worker

of mine is looking for a light duty tower 20' to 30' high to support a Speed Net dish. Please let me know if you have such a thing you are willing to part with. Kevin Barnum KB8QWQ home 687-6987 or kb8qwq@tds.net

MARC Vital Statistics

KB8UIH

Memberships Expiring in December 2010

KD8MQZ

KD8MRB

N8ERF

Memberships Expiring in January 2011

KD8HID

Memberships Expiring in February 2011

AA8EJ

KB8TSO

WB8FYR

WZ8Z

K8RI

KD8MQX

WD8ODG

N8JBW

W8NON

WB8RCR

K8RRB

W8SEX

K7GTK

Current Active Club Membership 65

Birthdays Celebrated in December 2010/January 2011

KC8TQV 12/1

KB8TSO 12/13

WA8KJR 1/2

KA8HQW 1/13

KD8JQY 1/28

KC8BOP 12/2

AB8JF 12/21

KD8HIF 1/6

N8NNA 1/14

KB8QWQ 1/29

KD8COB 12/5

N8CGP 12/21

K7GTK 1/8

KD8GRQ 1/19

KD8HID 1/29

WB8WNF 12/7

NX8A 12/22

KB8VNX 1/11

KD8IVZ 1/20

N8ERF 12/10

WD8KEW 12/28

WZ8Z 1/12

N8KRL 1/24

N8KS 12/10

WD8KTB 12/28

KD8FRH 1/12

AB8TJ 1/26

Anniversaries Celebrated in December 2010/January 2011

KB8UIH and Shelley 12/08

KD8GRQ and KD8FQF 12/19

KC8ZMQ and Karen 01/01

W8WOJ and KD8HIF 12/12

K7GTK and WZ8Z 12/22

KA8EZT and Linda 01/02

KD8IVZ and KD8IWB 12/16

N8ERF and N8NNA 12/23

AB8JF and N8WTQ 12/18

KD8JQX and KD8JQY 12/23

Information is from data received 12/3/2010

Any corrections or questions contact John, W8QN

Amateur Radio. . . We Do That!



Pat Mullet
Newsletter Editor
171 E. Orchard Ave.
Shepherd, MI 48883

If you desire to join the Midland Amateur Radio Club, the dues are \$20 per year for an individual membership. A family membership is available for an additional \$5 per year which covers all of the individual's family members. Family members must reside at the same address as the primary member to be eligible for the family member rate. The membership dues help to cover the operating expenses of the Club, and its radio systems. Membership includes Autopatch privileges on the W8KEA repeater (147.000+), voting privileges at MARC meetings, and a monthly newsletter. Please supply the following information:

Name: _____ Callsign: _____ License Class _____
Address _____
City _____ State _____ Zip _____
Home Phone (____) _____ Work Phone (____) _____
E-mail address _____
Spouse: _____ Callsign: _____ License Class _____
Birthday: (mm/dd) _____ Anniversary: (mm/dd) _____
Desired newsletter format: Paper copy via USPS _____ or via e-mail _____

Are you an ARRL Member? Y/N Do you want an ARES Application? Y/N

We request this information so we can communicate with you regarding MARC business, and periodically send you newsletters and congratulatory birthday & anniversary greetings. We do not sell this information nor will we knowingly publicize private information without your permission. Information that is publicly available may be distributed to Club members for various purposes, including membership lists, without prior notification.

You may give this completed form to the MARC treasurer, or you may mail it to:

MARC, PO Box 1049, Midland, MI 48641-1049