

FEEDBACK



OCTOBER 2000
VOLUME 45 NUMBER 10



OCTOBER MEETING

The meeting for the month of October will be held on October 6th, 2000 at the Massillon Senior Center at 8:00 PM.

HEY ! EVERYBODY ! WANNA GO TO A HAMFEST???? The Massillon Amateur Radio Club Hamfest 2000 will be on October 29th, 2000. We will have to set all committees and solicit help for the Hamfest. We need every member to help to make this year a **great success**. And the Massillon Amateur Radio Club has some great people to make it great !

First we will need setup people on Saturday, October 28 around 10:00 AM. at the fairgrounds. Helpers should be prepared to set up tables and chairs as well as label the tables. Then on Sunday all workers are to be at the fairgrounds at 5:00 AM(yes that's what it says!) to help with last minute set up and those inevitable :”emergencies” ! There is always something going on that needs members attention. It is the job of our very capable Security Personnel to make sure all the signs are in place and then we can begin to let the vendors in to set up and hopefully everyone will be set up by opening time of **8:00 AM**.

As you can plainly see, there is a huge task to undertake before the opening bell and everyone's help will be needed. The Massillon Hamfest is one of the finest Hamfests in the State of Ohio and it is due to the tireless dedication of it's members who insure that everyone has a good and profitable time. Our reputation has spread near and far as some vendors come from as far away as New York and Michigan

This is a great responsibility; so you can see that everyone's help will be sorely needed! See all of you at the meeting on October 6th and then, **SEE YA AT THE HAMFEST ON OCTOBER 29TH !**

- SHORT SKIP -

Fall, shorter days, football, falling leaves, cold nights **AND DX on 40 !** Amateur radio, the all season hobby.

“Can't act, can't sing - can dance a little.” Uttered by an MGM executive in 1928 after viewing Fred Astair's screen test !

73 DE WB80WM

WHAT IS THIS? SOMEONE PUT OUR SIGN ON THEIR SWIMMING POOL? HUMMMM! BETTER LOOK FURTHER INTO THIS. BE SURE TO CHECK OUT PAGE 3!



September 1,2000 MARC MINUTES

The September meeting was held at the Senior Center with 18 members and guests present. The meeting was called to order by Perry W8AU at 8:15 P.M.

The Pledge of Allegiance was given and a round of introductions was made.

Perry W8AU asked that the reading of the August minutes be suspended. Motion was made by Gary WC8W and second by Jeff KC8KIX.

On the meeting night it was Anne N8GAF birthday and she was celebrating at the Indians game. So Linda K8MOO gave the financial report. Motion was made to accept it by Don K8DON and second by Bruce AB8FB.

Don W8DEF gave his report. The ARRL letter wasn't here yet. He told of up coming test sites and Hamfests in the area.

We now have a new Affiliated Club Coordinator, she is Brenda Krukowski KB8IUP from Monclova, Ohio. Don, W8DEF, sent her a letter and invited her to MARC Hamfest and to our club meetings.

Don also heard from the ARRL , MARC will now be an approved Hamfest. Seems we have to apply each year to be approved.

OLD BUSINESS

Linda K8MOO brought up the subject about the Friday night NET. No one seems to be doing them. Jason KC8LIN has volunteered to do it. Perry said he will check with those involved and get back with him. Also the possibly of a different night was discussed.

Gary KC8IHR asked about Field Day points, Has anyone heard how the Canton Club did?

NEW BUSINESS

Dan N8DZM gave an update on the W8NP web site he and Terry N8ATZ have been working on. Click on center bottom of the main page to get a traffic report.

We then had our program, it was a movie from General Motors on how to properly install transceivers and antennas.

The meeting ended at 9:20 . Again Leroy W8CZA donated some more items to be given away at our meeting. What was not taken will be in the auction at MARC Hamfest.

Everyone had refreshments and the 50-50 for \$6.00 was won by Bruce AB8FB.

Minutes by Linda K8MOO Secretary MARC

....HAMFEST 2000 TIME

MISSION ACCOMPLISHED !

The completion of our second and final Safety-Break fundraiser for this year, Sept 15/17, has proved that this activity is extremely valuable to us if we are to keep up our vigorous schedule of public service, plus equip our facilities with the required equipment to do the job.

As Winston Churchill said of England's efforts during WW2, "Never have so many owed so much to so few." Getting enough volunteers for this event proved to be the most difficult task....the actual work of putting it on was the easy part. This despite the fact that we have cut the fund-raisers to two instead of three, and shortened the length of the event by 9 hours! Despite this, a number of individuals still had to do two shifts!

The executive and project committees have done their part....increasing efficiency by cutting overhead 250%. Former overhead costs of \$300+ have been reduced to \$60+, thereby allowing the elimination of one event, while achieving about the same income. By eliminating the Coke/Pepsi trailer and using the "pop-up" tent with attachable sides, we have achieved a larger, roomier and much more SANITARY facility, and cut costs drastically. Formerly, we spent 16 hours out of 60 working for Northern Ohio Coca Cola.... it's a great morale booster knowing we are working the now scheduled 59 hours solely for ourselves!

It has been projected that we would have to increase our annual dues to \$50 per person to stay at the same level that our fund-raisers provide. This would be self-defeating, of course. This would exclude many and defeat our purpose of being all-inclusive.

It may be normal for club members to lose interest in an activity that has run successfully for a number of years. Success has been a part of our activities for so long now that we may assume it will continue without our involvement. Of course, this is not true. All of our members are needed to keep our great record going....we are a great team....and ONLY as a team can we succeed.

We also understand that not every member is actively involved in Ham Radio, and some may be totally inactive at times. We would not expect those who are inactive to eagerly embrace our club work projects.... And with the ease of entry into Ham Radio that now exists, we will also see more and more individuals with perhaps less interest in the vast facets of our hobby and with only limited plans for occasional personal use of it.

But, being a general interest club, we will continue to cultivate the interest of these individuals and others, knowing that together there is strength and continuity in a colorful assembly of multi-talented folks. After all, we have not been a good club for 73 years by doing things wrong....we have a balance of tradition and new innovation that promises renewed spirit year after year.

Lets keep this "renewal" going and also extend it to a "renewal of interest" in one of our most necessary and desirable activities....our twice-yearly I-77 fundraiser. With all your help, we can't go wrong.....

W8AU

It's October already and where did the Summer go ? Before we know it we'll be shoveling that white fluffy stuff ! But before that happens, its nearly time for our major club participation event. Hamfest 2000 is nearly here. Remember I said "club event" ! It takes all of us working together to make our hamfest a success. And it is a success. It's not always measured by the total tally at the end of the day. It's measured by the packed tables loaded with lots of great gear, the positive comments of the crowd, hams having fun at our event. All these things and many more add up to a great hamfest. And this years hamfest is even better. More dealers, more prizes, and most of all more FUN !. Don't forget we need help to setup tables on Saturday, October 28th. I'll be there about 10:00 AM to start. Dealers will begin setting up very early on Sunday, about 6:00 AM. Please help support your club by helping out both on Saturday and Sunday. Ticket sales, Mobile checkins, Security, Tables, Club Table, Ecomm Trailer. We can use your help in all of these areas.

.... MORE PSK 31

Since my initial story a few months back, have any of you tried PSK 31 operating yet ? Interest is catching on and I expect lots of operating this fall and winter as outdoor projects taper off. There are now several free software programs available to operate this new mode, one in particular that seems to be gaining in popularity is called Digipan. Digipan stands for "Digital Panoramic Tuning" and brings the ease and simplicity of panoramic reception to PSK 31 operation. Digipan provides a panoramic display of the frequency spectrum in the form of an active dial scale which depending upon the transceiver IF bandwidth, will display as many 40 to 80 stations at one time.

Although no specific hardware interface is necessary to get a station up and going, one problem that seems to plague new operators including me is properly setting the audio input to the rig. Overdriving the audio will yield a transmit signal with many unwanted sideband signals showing adjacent to your PSK 31 signal. I can tell you from personal experience this will result in many irate operators on the other end. I have been operating this mode off and on for about four months now and have built several small audio interfaces trying to achieve the "perfect" PSK 31 signal.

The other day I happened upon a new product that promises to all but eliminate these problems. The Digipan Isolating Interface is a very simple, low-cost device for connecting a computer to your transceiver. The interface is small (4.5" x 3" x 1.25") box with connections for PTT (via the computer serial port), soundcard audio input, accessory speaker, and MIC/PTT output to the rig. Offered for only \$ 29.95 kit, \$ 39.95 assembled & tested, I have already ordered mine in kit form. I'll let you know how it works in a future column. If you want to look it over check out at <http://members.home.com/hteller/digipan>.

.... AND SPEAKING OF PSK 31

As more and more operators seek to exchange information about this new form of digital communications, new websites are popping up on the Internet. One I recently found is located at <http://www.psk31.com>. This site also gives you some basic background

on this new mode while providing a wealth of previously published technical and operating articles to review. Tips on interfacing many types of radios and an extensive PSK 31 operating software library round out this well thought out site. The author and webmaster Neil Rosenberg - K1VY plans on adding lots of new information to this site as time allows. Worth a look if you are interested in playing around with this new mode.

.... ANNUAL SET

The annual ARRL Simulated Emergency Test (SET) will be held this year on the weekend of October 7 & 8, 2000. The SET is an important event here in Stark County. It is designed to help us practice our operating skills and learn proper procedures for emergency communications. We expect to hold a net on the 147.12 ARES repeater again this year. Listen to the weekly nets for additional information.

Speaking of emergency communications, have you checked out the new Emergency Communications webpage on the ARRL website? This page provides a ready reference webpage with links to all the latest ARRL bulletins, a listing of other organizations active in emergency operations, a nice Q & A section as well as links to contact various ARRL headquarters personnel during an emergency. Check it out at <http://arrl.com/field/emergency>.

..... NEWSLETTERS IN COLOR

Would you like to see what one of our newsletters looks like in color? Thanks to some very hard work on the part of our newsletter editor Gary Kline - WC8W you can do just that on our website. Check out the newsletters page and click on either the August or September issue. Graphics, color pictures, and flashy text. You will need Adobe Acrobat reader to view them and we have a link on this page to download a free copy of this great program. Be sure to check them out. If members like the new color issues, please let Gary know. Check them out!

..... CQ WW DX SSB CONTEST KUDOS

The results of the 1999 CQ World Wide DX SSB Contest are out and listed in the September issue of CQ Magazine and a few congratulations are in order. John Schaffner - K8LN scored very well with 1,022,120 points on 951 contacts. Way to go John!. Another great DX'er Scott Detloff - K8DX did very well on 15 meters with 1,235,388 points on 2,416 contacts. Also Canton ARC V-P Roger Grey gets honorable mention with 252,720 points on 420 contacts. Jim Fisher - KC8IOR also of the Canton ARC logged 63,591 points on 193 contacts. Way to go guys, keep up the great work!!

Thats it for this month, till next time 73's

Terry, N8ATZ

From: "Christopher A. Bowne" <radiobwn@riconnect.com>

YOU JUST MIGHT BE A RF ENGINEER:

If you give people directions with radio towers for landmarks.
 If your automobile has more antennas than a Channel 5 News Van.
 If you think your bedroom would look nice with some Smith Chart wallpaper.
 If you want a vector network analyzer for Christmas.
 If you see a metal coffee can and think, I can make an orthogonal multi-mode antenna feed-horn from that.
 If your idea of DC is anything below 100 MHz.
 If you know the frequency of all the garage door openers in your neighborhood.
 If you see a lady with large ornamental earrings and wonder what the gain of them would be if used as an antenna.
 If your idea of an ideal vacation is a visit to a radio telescope facility.
 If you've ever built a resonant cavity filter out of Pepsi cans.
 If you still own a slide rule and you know how to work it.
 If you have at least four different kinds of coaxial cable in your workshop.
 If someone asks you to measure something and you give them results in wavelengths.
 If you can remember 7 computer passwords but not your anniversary, (or ANY of your wife's clothing sizes).
 If you'd rather talk about I/Q modulation techniques rather than sports.
 If you've visited ALL of the broadcast transmitter facilities within 75 miles of your house.
 If you think towers are esthetically pleasing.
 If your wife asks how much more or less something is and you give her an answer in dB's.
 If your automobile buying decisions are heavily influenced by how much space there is to mount radios and antennas.
 If you couldn't sleep until you found out all the details of the Mars Rover communications system.
 If you view a tree as a place to mount antennas.
 If you have a dog named Klystron.



OBITUARIES

ROY BURCKHART, W8CZA

Our oldest club member signed off for the last time Wednesday evening, at Brennfield Nursing home in Orrville, where he had resided for the last three years. Although Roy spent almost all of his adult years in Massillon, Orrville was his birthplace and now final resting place.

Roy had been active from Brennfield on HF and 2M fm up until last winter, when it appeared he was not going to be able to continue with ham operation. Son Dick then removed the gear and antennas from the residence.

Roy was first licensed around 1930, in Orrville, and moved to Massillon in 1931. He was in Appliance Repair at Ohio Edison (then known as Ohio Public Service Company) until the mid-thirties when he joined the fledgling Radio Department which consisted of two persons. He took care of the original Link 2-way equipment which operated near 33 mHz on AM. (No FM at that time. FM came along after WW2)

The Radio Department grew with returning veterans of WW2, increasing the in size to about 5 or 6 people. By the time of Roy's retirement in 1972 he was in charge of a group of 8. A number of these were members of the Massillon Amateur Radio Club at various times. After his retirement he worked for Ohio Edison as a microwave construction consultant, overseeing the building of the company's first microwave network. (6 GHz)

For many years Roy handled 'phone patches for NOAA oceanographic survey ships and their crews, using 20 and 15 meters. This went on even after a couple of eye operations had left him blind. His shack and equipment was modified with tape markers and he used "audible" tone indicators to indicate proper transmitter output and SWR. In can be truly said that blindness did not slow him down one bit. He even worked on his own gear, including the High Voltage sections of his 1.5 kW linear amps, sometimes using the "eyes" of xyl Arlene.

Roy's talents were not limited to radio, however, as he was very active in local Square Dance circles over the years, and also served as a tour host for Johnson Tours of Akron. These tours took him and Arlene around the world, through air travel and ship cruises. My first acquaintance with Roy was as a youngster of 11 or 12 when my Square Dancer parents traveled to many functions where Roy and Arlene were in charge. (I would later on work for Roy, moving from Goodyear Aerospace to Ohio Edison in 1968.)

Roy's involvement with our club began in 1931, when club meetings were held in member's homes. It was this way until after WW2, when Civil Defense organization mandated a comm center at the old #2 Fire Station at 9th and Tremont SW. Roy was in a group of hams that "reorganized" the club as a participant of CD in 1952, and appeared at a lot of meetings until the late fifties. His last Field Day participation, (as I remember) was in 1962 at the farm of W8OOS in Stanwood, where the club exercised it's then newly acquired club call W8NP. (Formerly K8APE)

Club participation after that was sporadic, as he was getting heavily involved in other time-consuming activities, but he always treasured his membership in our group and did come to occasional club meetings, even up until 1999. I'm sure he felt his "active" participation was no longer needed and he could stay in the background, since the club had continued to prosper after his earlier guidance and help. His most recent contributions were of a monetary nature and also included equipment and a generator.

We will all miss Roy...from the old-timers who knew him personally, up to the newcomers who heard him daily on our 147.18 repeater, looking for any "local yokels" who might want to chat for a few minutes. His senior age did not limit him in conversing with the youngest of hams, and with a few exceptions he was "sharp as a tack" until he went QRT last winter.

By the time you read this, visiting hours and funeral will be past. Flowers will have been sent and discarded, and an era of sorts will have ended. But Roy and his contributions to Massillon area Ham Radio will continue on with us in memory. 73 and S-9 signals always, to Radio W8CZA.

W8AU

JOHN HEIL D.O. KA8GGM

Many Club members did not know Dr. John but a few of us did. Those of us who knew him were from the Novice Classes. Dr. John attended several classes, and joined MARC for a short time. Dr. John was not a very active in local ham activities. He worked mostly with the missionaries in foreign countries, sending them medicine and equipment. Dr. John was also a trustee of the Christian Radio Station WCRF.

Dr. John was born November 21, 1914 in Elmhurst NY, he attended Long Island University. During WWII he did extensive aeronautical and physiological research with the Civilian Public Service at the University of Rochester. After his discharge from the service he completed his pre-med degree there in 1955. John worked as a chemist at Eastman Kodak in Rochester NY for several years. He left there to attend medical school at Kansas City (MO) College of Osteopathy. He interned at Green Cross Hospital in Cuyahoga Falls Ohio, and opened his first office nearby. Dr. John practiced medicine at offices in Canton and then in Massillon on Whales Road for over 35 years.

Dr. John was one of the founding members of Doctors Hospital. He was an active participant in Stark County Inter-Agency Health Education Committee, the Stark County Lung Association. Dr. John was a 50 year member of the Greenpoint Masonic Lodge and other various organizations.

Dr. John is survived by his Wife Evelyn and his brother, Walter and four children, Janet(Richard) Stegen of NY, Margaret (Irving) Gibbs of Fletcher NC, Gary (Kathren) Heil of Bear, DE, and Karen (Mark) Borchert of Newport News VA and 10 grandchildren.

Dr. John was interred in Sunset Hills on September 22, 2000. Contributions may be made in his name to the Royal Family Kids Camps, Inc., or the John J. Heil, D.O. Fund for Abused Children, 1008 Salinas Ave. , Costa Mesa, CA 92626.

Dr. John dedicated his life to helping others. His strong faith in God and his commitment to ease the suffering of others will be long be remembered.

ARRL NEWS

ZCZC AP39
QST de W1AW
Propagation Forecast Bulletin 39 ARLP039
From Tad Cook, K7VVV
Seattle, WA September 29, 2000
To all radio amateurs

Solar flux and sunspot numbers were up over the past week, while average geomagnetic indices were lower, which is always a happy condition for HF radio enthusiasts. Solar flux peaked at 232.2 on Friday and sunspot numbers peaked at 255 on Sunday. Average sunspot numbers for the week were up nearly 87 points, and average solar flux rose by almost 39 points, when compared to the previous week.

The sunspot number is calculated by counting the visible sunspots and factoring in their size, so a significant factor was sunspot 9169, reported in last week's Propagation Forecast Bulletin ARLP038 as one of the largest seen in many years. It is now fading as it rotates off of the visible solar disk. We were lucky not to have a great deal of flare activity from this magnetically complex spot.

K4WY sent a web reference concerning this particular sunspot. Check <http://antwrp.gsfc.nasa.gov/apod/ap000925.html>.

The most active geomagnetic day over the past week was Tuesday, when the planetary A index was 21. Planetary K index was 4 during most of

the day, but Alaska's College K index, which is usually higher because of the polar region proximity, was as high as 6. College A index was 37 for the day.

Friday and Saturday were the quietest geomagnetic days, with A indices in the single-digits, Planetary K indices at 2 and 3, and mid-latitude K indices at 1 and 2. Fortunately for HF enthusiasts, this was also the period when the sunspot count and solar flux were the highest, which often is not the case.

Geomagnetic indices should remain stable over the next few days, with planetary A indices predicted at around 10. On Monday through Wednesday the A index is forecast at 12, 15 and 12, probably based on the previous solar rotation. This indicates an unsettled to active geomagnetic conditions, with higher absorption of HF radio signals, particularly in the higher latitude or polar paths.

Solar flux is expected to decline over the next few days, with Saturday at 190 and Sunday around 180. For the short term, flux values should reach a minimum near 155 around October 7-9, then head above 200 again around mid-month.

We have now passed the autumnal equinox, and are experiencing Fall HF conditions. 10 and 12 meter operators should expect great propagation, at least when the K index as reported by WWV is 3 or less. Openings follow the sunlight, with propagation to the east in the morning and toward the west later in the day. 15 meters should offer plenty of worldwide openings as well, but also later into the evening after 10 meters has closed. Worldwide 20 meter openings should be available around the clock. As the northern hemisphere moves further from the summer season, 160 and 80 meters should improve with shorter days and less of the static commonly associated with summer.

Judging by recent email, it is time to repeat the occasional explanation of the various numbers and indices that are cited in this weekly bulletin, which appears below. Questions and comments are always welcome at k7vvv@arrl.net.

Amateur Radio operators who use HF generally like increased sunspots because they correlate with better worldwide radio propagation. When there are more sunspots, the sun puts out radiation which charges particles in the earth's ionosphere. Radio waves bounce off of (refract from) these charged particles, and the denser these clouds of ions, the better the HF propagation.

When the ionosphere is denser, higher frequencies will refract from of the ionosphere rather than passing through to space. This is why every 11 years or so when this activity is higher, 10 meters gets exciting. 10 meters is at a high enough frequency, right near the top of the HF spectrum, that radio waves propagate very efficiently when the sunspot count is high. Because of the wavelength, smaller antennas are very efficient on this band, so mobile stations running low power on 10 meters can communicate world wide on a daily basis when the sunspot cycle is at its peak. There are also seasonal variations, and 10 meters tends to be best near the Spring or Fall equinox.

The sunspot numbers used in this bulletin are calculated by counting the sunspots on the visible solar surface and also measuring their area. Solar flux is measured at an observatory in British Columbia using an antenna pointed toward the sun tuned to 2.8 GHz, which is at a wavelength of 10.7 cm. Energy detected seems to correlate with sunspots and with the density of the ionosphere.

Other solar activity of concern to HF operators are solar flares and coronal holes, which emit protons. Since the charged ions in the ionosphere are negative, a blast of protons from the sun can neutralize the charge and make the ionosphere less refractive. These waves of protons can be so intense that they may trigger an event called a geomagnetic storm.

The Planetary A index relates to geomagnetic stability. Magnetometers around the world are used to generate a number called the Planetary K index. You can hear the Boulder K index updated every three hours on WWV, or by calling 303-497-3235.

A one point change in the K index is quite significant. A K index reading below 3 generally means good stable conditions, and above 3 can mean high absorption and poor reflection of radio waves. Each point change reflects a big change in conditions.

Every 24 hours the K index is summarized in a number called the A index. A one point change in A value is not very significant. A full day with the K index at 3 will produce an A index of 15, K of 4 means A of 27, K of 5 means A of 48, and K of 6 means A of 80. You can find an explanation of these numbers on the web at http://www.ngdc.noaa.gov/stp/GEOMAG/kp_ap.html.

The number reported here is the Planetary A index, which is a worldwide average based on the K readings from a number of magnetometers. The numbers reported on WWV are the Boulder Kand A index, measured in Colorado. Generally the higher the latitude of the measuring station, the higher the K and A indices reported. This is because the effects of geomagnetic instability tend to concentrate toward the polar regions of the globe.

Currently we are near the peak of the solar cycle, so conditions are generally better because of the increased ionization of the ionosphere. But along with the increased sunspots come more solar flares and coronal holes, producing disturbed conditions.

Sunspot numbers for September 21 through 27 were 198, 248, 216, 255, 215, 223 and 233 with a mean of 226.9. 10.7 cm flux was 225.1,

232.2, 225.2, 224.5, 225.6, 223.6 and 204.7, with a mean of 223, and estimated planetary A indices were 9, 7, 7, 10, 16, 21 and 11 with a mean of 11.6.

NNNN

DX NEWS

ZCZC AE40
QST de W1AW
DX Bulletin 40 ARLD040
From ARRL Headquarters
Newington CT September 28, 2000
To all radio amateurs

SB DX ARL ARLD040
ARLD040 DX news

This week's bulletin was made possible with information provided by Tedd, KB8NW, the OPDX Bulletin, HA4XG, The Daily DX, 425DXnews, DXNL and Contest Corral from QST. Thanks to all.

SRI LANKA, 4S. Denver, 4S7DA, has been QRV on 20 meters CW between 0000 and 0100z. QSL via W3HNK.

EAST TIMOR, 4W. Jose, 4W6FK, is usually QRV on 14260 kHz just before 1130z. QSL via CT1FKN.

MADAGASCAR, 5R. Ken, 5R8GQ, has been QRV on 14200 kHz just prior to 1400z. He has also been QRV using RTTY on 15 meters around 1800z. QSL via AD6KA.

BOTSWANA, A2. Martin, A22BE, has been QRV on 28495 kHz between 1600 and 1800z. QSL via ZS6AKB.

UNITED ARAB EMIRATES, A6. Walter, A61AJ, has been QRV using RTTY on 15 meters around 1230z. He has also been QRV on 17 meters from 1400 to 1600z. QSL via W3UR.

CHINA, BY. BT2000 will be active again from IOTA AS-137 from October 1 to 4. QSL via BA4EG.

BALEARIC ISLANDS, EA6. EA6/HA6NL/p is QRV using mostly CW on 160 to 10 meters during his holiday here until October 5. QSL to home call.

IRAN, EP. Ali, EP2MKO, has been working on 30 meters CW from 0200 to 0230z.

MAYOTTE, FY. Elio, FH5CB, has been QRV on 20 meters around 0330z.

SOUTH KOREA, HL. Lee, DS4CNB, was working East Coast stations on 14024 kHz just before 1200z.

MIDWAY ISLAND, KH4. NH6D/KH4 has been QRV on 17 meters around 0300z. QSL via N6FF. Meanwhile, Ted, NH4/NH6YK, has also been QRV on 20 meters SSB around 0700 to 0800z. QSL to home call.

PAPUA NEW GUINEA, P2. Chip, P29CC, is usually QRV on 28479 kHz just prior to 2200z. QSL via K1WY.

EGYPT, SU. Jaro, SU9ZZ, has been QRV on 3507 kHz around 0330z. QSL via OM3TZZ.

CRETE, SV9. Geza, HA4XG, is QRV as SV9/HA4XG/p until October 12. He works mainly the newer bands. QSL to home call.

PALAU, T8. Look for JA2AAU, JA2AIC, JR2FOR and JJ2KYT, to be QRV as T88NK, T88IC, T88FO and T88MI, respectively, from October 4 to 7. Activity will be on 40, 20, 15, 10 and 6 meters using CW, SSB, SSTV and 10 meter FM. QSL to home calls.

NAMIBIA, V5. Frank, V51AS, can usually be found on 30, 20, 17 and 15 meters CW between 1930 and 2130z. Also, check 10 meters after 1530z.

INDIA, VU. Special event station VU2HF2000 will be active on 40 to 10 meters using CW and SSB from September 30 to October 2 during Hamfest 2000 held in Hyderabad, India.

CAMBODIA, XU. Hiroo, JA2EZD, will be QRV as XU7ABF from October 2 to 5. He has antennas for 40 to 6 meters and intends to put up new ones for 160 and 80 meters soon. QSL via XW2A.

VANUATU, YJ. YT1AD and Z32AU are QRV as YJ0AD and YJ0AU, respectively, until October 5. QSL to home calls.

THIS WEEKEND ON THE RADIO. The Louisiana and Texas QSO Parties are scheduled for this weekend. Please see October QST, page 100 for details.

NNNN

ARRL seeks monitoring reports on 10 and 12 meters

ZCZC AG39
QST de W1AW
ARRL Bulletin 39 ARLB039
>From ARRL Headquarters
Newington CT September 29, 2000
To all radio amateurs

In an effort to better document the extent of unlicensed operation on Amateur Radio frequencies, particularly 10 meters, the IARU Region 2 Monitoring System is surveying member societies about the extent of the problem. In order to provide statistical backing for its response, ARRL is soliciting reports from American hams to supplement its response to the survey.

ARRL Monitoring System Administrator Brennan Price,

N4QX, is accepting reception reports from amateurs for a two-week period, from October 1 to October 14. Observations should include date and time in UTC, frequency, mode of the transmission, language, if known, and any notes which might assist in identifying the source. Observations should also be limited to amateur frequencies, focusing on 10 and 12 meters.

Price urges monitors to use caution before documenting a transmission as probably unlicensed. "Most countries do not mandate a segregation of voice and digital modes, as the United States does," Price says. "A phone transmission between 28.0 and 28.3 MHz is not necessarily illegal in the country where that transmission occurs, and if valid amateur call signs can be made out, the transmission should not be reported. However, lower sideband and AM transmissions between 28.0 and 28.1 MHz are usually unlicensed, and may be treated with suspicion."

Reports should be e-mailed to Price at n4qx@arrl.org. All reports will be acknowledged, and respondents will receive a summary of the survey results via email.

NNNN

ZCZC AG37
QST de W1AW
ARRL Bulletin 37 ARLB037
>From ARRL Headquarters
Newington CT September 1, 2000
To all radio amateurs

RF safety rules now in force for all amateurs

Starting September 1, every US amateur is required to fully comply with the FCC's RF exposure guidelines.

The regulations, which went into effect January 1, 1998, require US Amateur Radio operators to read and understand the rules and, where necessary, perform technical evaluations to determine that their stations are compliant with the new regulations. Up until now, only hams who have had to file an Amateur Radio application with the FCC have had to certify compliance with the RF exposure rules. As of September 1, all amateurs must comply.

Under the regulations, an amateur station must not exceed the maximum permissible exposure limits for transmitter operation.

"These regulations are not a major burden on the Amateur Radio Service," said ARRL Lab Supervisor Ed Hare, W1RFI. "Most hams are already in compliance with the MPE requirements; some hams will need to conduct a simple station evaluation."

A complete description of the rules is available on the ARRL Web site at <http://www.arrl.org/news/rfsafety/>. The site also contains resources to make your station evaluation quite painless.

Address questions about RF safety and the FCC exposure guidelines to ARRL Lab Supervisor Ed Hare, W1RFI, ehare@arrl.org.

NNNN

ED NOTE: Again I must appologize. I had more pictures and info for the newsletter but space forbids it!! I think I'll save the pic of the Safety Break & print them in January when we're buried up to our you know what's in snow!! de WC8W

October 2000

Monthly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																																		
1 Stark County Mutual Aid Net 146.520 11:30 AM	2 Sloppy Fist Net every Monday thru Friday at 9PM on 28.138	3 BD K8MOO	4 N8ATZ BD	5 7:30 PM QCWA (Chapter 21) Net, 147.180	6 Massillon ARC Meeting	7 BD KC8CPD																																																																																																		
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