

The Pioneer Radiator

Volume 18, Issue 1

Newsletter of the Pioneer Amateur Radio Fellowship, Inc.

February, 2003

Amateur Radio Boosts Cape Cod Marconi Centennial Commemoration Into Orbit

The magic touch of a princess helped to put Amateur Radio center stage January 18 on Cape Cod, Massachusetts, during events marking the 100th anniversary of the first transatlantic wireless message transmitted by Guglielmo Marconi. For the occasion, Marconi's youngest daughter--Princess Elettra Marconi--launched greetings into space via an Amateur Radio on the International Space Station (ARISS) hookup to ISS crew commander Ken Bowersox, KD5JBP.

"One hundred years ago today, my father, Guglielmo Marconi, sent the first wireless message across the Atlantic Ocean from Cape Cod," Princess Elettra said from a packed auditorium at the Cape Cod National Seashore Salt Pond Visitor Center in Eastham. "In this same spirit of his achievement and also from



As members of the news media crowd in, Princess Elettra sends "cordial greetings, good wishes" to ISS Commander Bowersox, KD5JBP, in space.

Cape Cod I send this wireless greeting to you in space. Cordial greetings, good wishes and God bless you"

Replied Bowersox from NA1SS, "It's wonderful to hear your voice across the radio waves. It's amazing how far our societies and radio communication have come in the past 100 years."

On January 18, 1903, Marconi sent wireless greetings on behalf of President Theodore Roosevelt to Great Britain's King Edward VII. Events throughout the week leading up to the ARISS contact included two Amateur Radio special event stations. KM1CC operated from a National Seashore site not far from Marconi's original Cape Cod radio station, transmitting a commemorative message from President George W. Bush and re-transmitting Marconi's original 1903

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The Bureau System—Part Two

Last month we discussed how the Incoming QSL Bureau system works. Hopefully, you have already sent those envelopes to the bureau. In this month's installment, we will cover the Outgoing Bureau system.

Just imagine sending each DX station you work a QSL card direct. Let's see, we've got \$.80 in postage, and the cost of the envelope (about \$.05). This could add up real fast if you spend any reasonable amount of time working DX. The Outgoing QSL Bureau is an economical

way of sending QSL cards to hams in foreign countries. This system allows you to send cards to hams in foreign countries at a bulk rate, which is currently \$4.00 per 1/2 pound, or \$8.00 a pound. With a pound of QSL cards being about 150 cards @\$.85 ea comes to \$127.50, if we go direct! Quite a savings if we use the bureau! If you just work a little DX, you can send 10 cards or less for only \$1.00, just a little more than mailing one card!

OK, sounds great you say? How does

the Outgoing Bureau work? What do I have to do to use the Outgoing QSL Bureau? While you do not need to be a member of the ARRL to use the Incoming Bureau, ARRL membership is required to use the Outgoing Bureau. If you send a lot of cards through the bureau, the savings of the Outgoing Bureau more than pays for ARRL membership.

The Outgoing Bureau handles approximately two million QSL cards in a year! Your cards are sorted and on their

(Continued on page 10)

President's Shack

Welcome to another edition of the Pioneer Radiator. Well by now some of us have dug out from the snow we received during the end January. And you snow birds thought you would escape this years winter cold guessed wrong with the great winter blast from the arctic north reaching clear down to Miami, Fl.

With Super Bowl XXXVII being over with the winner not known at the time of this writing. Your Monday evenings are now free again for a few months. Here is your chance to check into our Monday evening net. If you have never checked in please give it try and if you would be interested in giving net control a try I sure our net director Dick Kovach, WA8KR would be glad to meet with you.

Dayton Bus trip is planned please mark your calendars now for Saturday, May 17th buses will leave at 5:30 am sharp. Ticket cost for the Bus will be \$1.00 more this year since the Bus Fare has risen due to fuel costs. Cost for your entry to Dayton Hamvention & Bus

Fare down & back is \$47.00 received before April 22nd and the cost for the bus fare only is \$30.00 with you being responsible for purchasing your own entry ticket for \$22.00. Even if you don't plan to go on the bus this is a great opportunity for our club to raise money and have a great time of fellowship.

See you at our next meeting on February 11, 2003 @ 7:00 PM.

73's de KB8THW Jim Turner Jr. President.

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Tony's Corner

No report available at press time.

Newsletter Deadline

The deadline for the next issue of the Radiator is

February 16th

Please email articles to
ka8yyz@neo.rr.com, or
via snail mail to:

**The Pioneer Radiator
c/o Jesse Wall
1264 Brown St.
Akron, OH 44301**

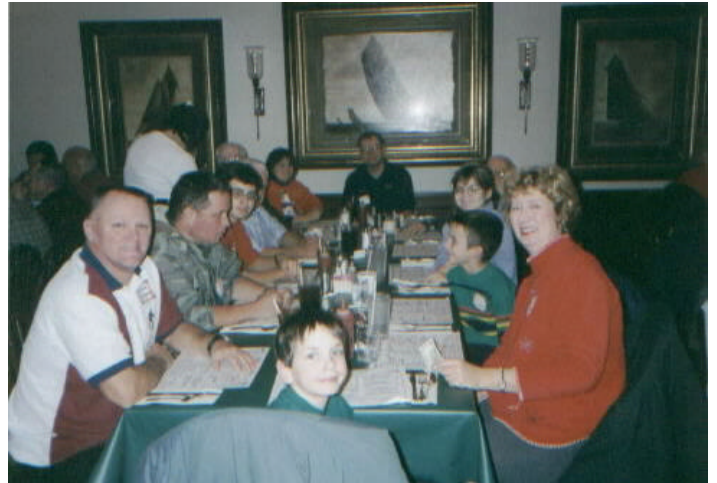
PARF Christmas Photo Gallery

by Marie Mobley, KC8FZS

They say a picture is worth a thousand words. With that, these pictures show what a great time was had by all the Pioneer members that attended the 2002 PARF Christmas party at the Hartville Kitchen. As always, the food was terrific and the company even better.



Marie, with her hubby, "Tiny", KC8DEU. Tiny looks ready for a good meal. (all photos by the author.)



This Young Lady

By Barbara Buffington, KC8SXM

With meetings and breakfasts being cancelled the past month or so, I didn't get a chance to talk anyone into letting me write about them, so I decided to go the easy way and interview myself. So this month you get to read about Barbara, KC8SXM.

I was raised in Copley, Ohio until I was 15 years old when my family moved to "beautiful Doylestown, Ohio"—no, not downtown like Bob, WD8KND, but to Westview Mobile Home Park off of Route 21. At 19 I went to college in Utah for a semester, then a year later went to a college in Idaho for 1½ years, graduating with an Associate Degree in General Education.

Moving back to Ohio, I at first was a nanny for four children until I got a job at the Ben Franklin Store in Wadsworth, where I had moved. I was there for 4½ years. In 1990 I started working at National Central, a lawnmower parts warehouse on the outskirts of Wadsworth. I was also there for 4½ years until I decided to go back to college. Since I was the president of the Firestone Ladies Auxiliary to the Veterans of Foreign Wars at the time, I went to Akron U for a year before moving to Muncie, IN to go to Ball State University. I would rather have stayed in Ohio but colleges in Ohio didn't have a Bachelor's Degree in Legal Assisting, which is the vocation I wanted to go into. I graduated from BSU in 1997 with that degree and moved back to Ohio, to Barberton where I



Barbara Buffington, KC8SXM with Roger, WD8ITD, and friend. (Photo courtesy Joy Spencer, KA8TDF)

am currently.

I started working for Ferriot Inc., an injection molding plant, mainly as the receptionist but also doing some things for the Accounting Department. I'm now the Payroll Manager and do other jobs in Accounting and for the Mold Shop Division.

My first experience with amateur radio was for Field Day 2001. I'd become friends with Roger, WD8ITD, when I moved back to Ohio and joined the "Star Trek" club he was president of at the time, the USS OHIO. Some "Star Trek" friends of ours in southern Ohio, Carolyn, N8ST and Gary, K8BE, belong to a "Star Trek" club that has a club radio license, K8SSJ. Their club does Field Day by itself and Roger had gone down the previous couple years to help out, so, wanting to find out what ham radio was all about and to see Carolyn and Gary, I went down that year to help out also. I stayed up all weekend doing the log and became very interested in everything I saw. A couple months later I went with Roger to my first hamfest in Mans-

field. Roger ended up buying his Kenwood TS830S a couple days later and on December 1, 2001 I made my first radio contact as a 3rd party. I was hooked!

I started studying for my Technician license and passed it in January 2002. I immediately began studying code and for my General license, passing the General test with 100% but missing on the code. It took me four tries before I finally passed the code and went on to Extra, which I passed in March.

During this time I joined the Pioneer Amateur Radio Fellowship. I write this column for the PARF newsletter and am one of the Net Controls for the club. I'm also involved with Skywarn, ARES and RACES and get on the Restoration Project Net Saturdays when they can be heard. I belong to the Young Ladies' Radio League and to 10/10 International.

Other interests I have are music and genealogy and I collect buffalo items. My main hobby besides ham radio though, is "Star Trek." Last February I took over the presidency of the club from Roger. Our club now has a club radio license with the callsign of K8SSO (K 8 Starship Ohio) and its own 10/10 number. My two favorite hobbies have been combined.

My family consists of a "furry, four-legged female feline" (AKA a cat) named Muffin. I also have my dad, two sisters with husbands, a brother with a wife, three nieces (one with a husband) and two grandnephews, one of which at two-years-old seems to be interested in the radio.

I'm really glad I got into amateur radio because I've made some great friends through this wonderful hobby.

Club Corner

By Joy Spencer, KA8TDF

MEMBER WELFARE

Our condolences to Joe Riffle, KC8SQQ, whose mother passed away. A card was sent (signed by members present at the business meeting) for Joe and his family.

This month's birthdays:

- 1st – Cherie Lewis, N8JII
- 2nd – George Rowe Jr., KC8OFG
- 3rd – Vernon Clarke, W8TJS
- 4th – Cathy Ferry, NC8F
Dick Kovach, WA8KR
- 7th – Dorene Phillips, XYL
- 13th – Gus Kostich, KB8TIB
- 19th – Gary Miller, KC8DKC
- 21st – Walter Moore, AB8GO
Eric Slezak, KC8LFE
- 22nd – Patricia Gardner, KB8VAN
- 24th – Ken Slezak, N8BYS



January Business Meeting in full swing. Joy, KA8TDF (treasurer), Gary, KC8DKC (Ops Mgr. And acting Pres.), and Dale, KC8DEN (Secretary). (Photo-KB8VJC)

- 25th – Eugene Hackworth, W8VWE
- 28th – Marilyn Walker, N9OUR



The Editor's Key

Jesse Wall, KA8YYZ

This month I am going to stray from my norm and actually "editorialize". My subject is membership in the American Radio Relay League, or ARRL. I have heard many sides to whether a person should join the League or not. Let me first state that I am a Life Member of the League, so you can guess where my bias is. Not that I agree with all League policies.

Whether one likes the League or not, one fact is inescapable, the League is the national voice of Amateur Radio. I say this because they are the largest Amateur Radio "club" in the United States and have developed contacts with politicians, the FCC, making them the best outlet for voicing Amateur Radio's concerns in Washington.

I have heard two big arguments for not joining the League. Number one, "I'm a No-Code Tech, and the League doesn't do anything for me." Number two, "I don't agree with the League's policies, so I'm not joining." Let's examine each of these statements.

"I'm a No-Code Tech" - Well first, the

League strongly supported the creation of the No-Code license so the "League doesn't do anything for me" argument doesn't wash.

The League strayed big time from their core position on this issue, based solely on what the membership told them they wanted in a survey. And yes, I agree that the League is headed by the "old guard" that seems to worry about HF more than anything else, but the League has begun to push more high tech stuff, and look into the VHF/UHF bands. If you are a No-Code, and want to remain so, that's fine, but you still need to be a League member to get your views heard. You need to vote for League directors that reflect your views. This will get the No-Code position into ARRL policy. And one last thing, those that say you're not a "real ham" without the code, are the loud minority. Read through old ham magazines for the code/phone battles, the AM to SSB battles. This stuff is as old a Amateur Radio itself. It's called CHANGE! Don't worry, you're a real ham.

"I don't agree with the League" - Well,

then join the League, make your voice heard to change the policies. This is just like politics. Less than half the people vote, but everyone complains. I have a good friend who used this excuse for years. Only after they supported the something he wanted, did he join the League. Should have joined earlier and made his voice heard, maybe it would have come sooner.

Our spectrum space is under constant assault, from HF to microwave. The government looks at the radio spectrum as a money maker by auctioning off spectrum space. And with cellular phones, wireless networking, GPS, etc., there's plenty of bidders! This is the main reason we need the ARRL, and the ARRL needs you!

Each of us has our own niche in Amateur Radio, be it CW, SSB, digital, satellites, or just keeping in contact with family and friends via the local 2 meter repeater. The ARRL is our one collective voice. Instead of criticizing the League, join it, and make it better from within!

Well, enough for this month. Your comments are welcome, pro or con. Send in your thoughts and I will include them in the newsletter.

**73,
Jesse**

Marconi Centennial Commemoration

(Continued from page 1)

text. Another special event station, WA1WCC, was on the air from the former WCC shore station in Chatham, where Marconi had relocated operations after the ocean threatened to claim the antenna support towers of his original station. Princess Elettra also visited the WA1WCC special event site. Following Princess Elettra's introductory remarks, eight students from three Cape Cod high schools took turns firing a total of 18 questions at Bowersox as hundreds of visitors and some two dozen news media representatives looked on. Serving as mentor for the noontime Cape Cod contact was ARISS International Chair Frank Bauer, KA3HDO. The students' curiosity ranged from research goals to whether Bowersox had any desire to undertake a trip deeper into space--perhaps to Mars. Bowersox said his wife has forbidden him to go to Mars--a comment that drew a chuckle from the audience--but said he'd volunteer for a deep-space mission



Visiting op Mark W. "Brown" Beezer, W1NZR, operates from the former WCC shore station receiving site in Chatham, Massachusetts. The Chatham Marconi Maritime Center plans to turn the site--now owned by the town--into a wireless history museum. The Center al so sponsored a series of educational events for the public during "Marconi Week." (ARRL Photos)

if he could bring his family along. "I think someday we're going to leave

Earth," Bowersox predicted in response to one of the students' questions. "We're going to move on out of our solar system out to the stars, and we're just taking the baby steps now. Your generation will take us a lot farther, I hope."

Handling earth-station duties for the ARISS contact was Nancy Rocheleau, WH6PN, in Honolulu. A WorldCom teleconferencing arrangement made two-way audio available on Cape Cod. Students selected were from Provincetown High School, Cape Cod Technical and Vocational School and Nauset Regional High School.

"The ARISS contact at the Marconi centennial event was a tremendous success," said Bauer. "I must say that this contact was one of the more impressive and awe-inspiring ARISS contacts we have accomplished." ARISS <<http://ariss.gsfc.nasa.gov>> is an international effort with support from ARRL, NASA and AMSAT.

(from the ARRL Newsletter)



ARRL OHIO SECTION NEWS

By Joe Phillips, K8QOE
ARRL Ohio Section Manager

SM: Joe Phillips, K8QOE, Fairfield, (to contact me, see QST page 12); ASM -NE: Bob Winston, W2THU, Cleveland; ASM -NW: Ron Griffin, N8AEH, Findlay; ASM -Central: Bill Carpenter, AA8EY, Westerville; ASM -SW: John Haungs, W8STX, Cincinnati; ASM -SE: Connie Hamilton, N8IO, Marietta; SEC: Larry Rain, WD8IHP, Mansfield; STM: Jack Wagoner, WB8FSV, Hilliard; ACC: Brenda Krukowski, KB8IUP, Toledo; TC: Tom Holmes, N8ZM, Tipp City; PIC: Scott Yonally, N8SY, Mansfield; OOC: Alan Cook, N7CEU, Newark; SGL: Reuben Meeks, W8GUC, Vandalia.

SECTION NEWS - The Maumee Hamfest (Toledo) will be March 16 at the Lucas County Rec Center as always. It was late getting on the ARRL Calendar...But remember this month hamfest at Mansfield with a Saturday night ARRL Banquet....The Great Lakes Division Convention (Michigan, Kentucky, Ohio) in September, the day before the Findlay Hamfest, is beginning to take shape. Beside Jim Haynie, W5JBP, ARRL National president as main banquet speaker, the conference will have sessions on FCC/OO Cleanup of Frequencies, Ham Radio clubs, Direction Finding Radio and a day-long class toward achieving Emergency Certification. Other details are still being finalized....

Ohio Club Information - Congrats to the following officers for 2003 for the Grant ARC: Pres: Bill Cox, KC8OVO, VP: Kaye King, KC8CZC, Sec: Jerry Silman, KB8PVY also for the Massillon ARC officers: Pres: Richard Ross, KA8ZQH, VP: Jim Farris, WA8GXM, Sec: Linda Finley, K8MOO, Treas: Ann Ballinger N8GAF and also Findlay RC officers: Pres Bill Kelsey, N8ET, VP: Mike Yammine, KB8CMS, Sec: Dean Calvin, N8RMF and Treas: Ron Griffin, N8AEH. More club officers next month. Welcome to the following clubs who have become affiliated with ARRL again: Grant Amateur Radio Club and Indian Hills Radio Club.

OHIO SECT CONGRATS (A) To Jack Sovik KB8WPZ, Youngstown, for being part of the popular ham radio RAIN report and for being named Ham of the Year for Mahoning Valley ARA (Youngstown); (B) To Sam Eberling, KC8ETZ, as Alliance ARC Ham of the Year; (C) To Ohio Newsletter editors who are using the Section News at a rate beyond my wildest dreams after only one month; and (D) To Spirit of '76 and 88 newsletter of Lake ErieARA (Cleveland) for listing all writers who contributed to the newsletter the past year. Good recruiting tool for newsletter participation.

FEBRUARY OHIO HAMFESTS...(2) NorthernOhio ARS in Lorain. Info? Write <electro7@apk.net>; (9) IARC-MASER in Mansfield. Banquet the night before at 6 p.m. Info? See www.maser.org; (23) CuyahogaFalls ARC in Cuyahoga Falls. Info? See www.cfarc.org.

Now for the **DECEMBER TRAFFIC REPORTS...**
N8IXF 473, N8IO 352, N8BV 303, WD8KFN 273, N7CEU 199, KD8HB 174, N8TNV 144, N8DD, 143, W8STX 114, N8OD 109, KX8B 109, KB8SBK 103, W8QIW 98, W8PBX 93, WB8HHZ 79, KA8CXG 78, KA8FCC 77, WA8EYQ 74, W8RPS 71, WA8SSI 70, KA8VWE 64, NS8C 62, N8IBR 60, WB8SIQ 57, N8CW 51, NY8V 37, KD9K 37, W7RG 33, K3RC 31, N8EX 32, KI8IM 30, K8PJ 28, KC8KYP 26, WB8PMG 26, KC4IYD 24, N8WLE 24, KC8HTP 23, K8QX 18, KC8TKB 18, N8GOB 9, WB8FSV 4, K8JE 4, WD8IHP 3, K8QIP 1. **Late November Traffic:** K8JE 4
SECTION TRAFFIC NET REPORTS:
QNI QTC QTR SESS. NM
BN(E) 142 57 263 31 WD8KFN
BN(L) 190 89 286 30 NY8V
OSN 111 23 444 31 WB8KQJ
OSSBN 2108 765 3029 93 N8IO

ARLS001 New Saudi Satellite Gets OSCAR Designation

A third satellite in the SaudiSat series has earned an OSCAR designation from AMSAT, SO-50. The Amateur Radio payload was successfully placed into orbit December 20 from Russia atop a modified SS-18 intercontinental ballistic missile. The German-made SAFIR-M Amateur Radio payload went into orbit during the same launch. SaudiSat-1C is a project of the Space Research Institute of the King Abdulaziz City for Science and Technology (KACST).

SaudiSat-1C follows the 2000 launch of SaudiSats 1A and 1B. Now in a 650-km orbit, SaudiSat-1C carries several

experiments, including a new Mode J FM amateur repeater. The downlink frequency is 436.775 MHz. The uplink frequency is 145.850 MHz. A 67 Hz CTCSS tone is required for access. The repeater will be available to amateurs worldwide as power permits.

AMSAT-NA President Robin Haighton, VE3FRH, said SaudiSat-1C will require activation on each pass by a designated control operator. "A worldwide network of designated control operators is now being developed so that radio amateurs may begin using the satellite immediately," he said. The NORAD

identifier for two-line Keplerian elements is 27607.

The new satellite is also equipped with capabilities to provide vital data concerning weather conditions and oil exploration as well as to monitor the movement of vehicles in remote regions of Saudi Arabia.

(from the ARRL Newsletter)

DX Happenings

Well, we have some good DX this month. Hopefully, you were able to work the ZK2 that was on in late January. Tedd, KB8NW seems to be going strong, and hasn't given up the OPDX Bulletin. This month's Dx is courtesy of OPDX:

5X, UGANDA. Lot, DJ7ZG, informs OPDX that he and Babs/DL7AFS will be heading to Central Africa to be active as 5X1DC. They will operate from Ssesse Island, which is located in Lake Victoria near Entebbe. They will fly to Africa on January 26th. Lot states to listen for them from Uganda between February 9-23rd and to look for them on the usual DX frequencies. QSL via DL7AFS. For more detailed information, please visit the Web page at: <http://www.qsl.net/dl7afs/>

EX, KYRGYZSTAN. Pavel, EX8NP, has been very active recently on 80 meters, as well as 15/20 meters SSB. Watch around 3789-3799 kHz after 1315z (for about an hour) and again after 2100z until about 0000z (then he MAY move to 20 meters around 14171 kHz). QSL via IK2QPR: Paolo Fava, via Bertani 8, 46100 Mantova, Italy. ADDED NOTE: IK2QPR is also the QSL Manager for the following call signs in Kyrgyzstan: EX2U, EX5T, EX7MA, EX7MK, EX8MF, EX8QB, EX8QF, EX8NK and EX8DX. Please note that he can only confirm QSLs for EX8MLE for QSOs made before April 2002. After this date, QSLs for EX8MLE should be sent DIRECT to his address listed on QRZ.COM.

KH9, WAKE ISLAND. Carl, N4AA, Editor of QRZ DX, reports early Sunday morning Chuck, N4BQW, is now here. The report states: "Chuck has the FT900/S2001 amp working and the IC706mkIIg on 6 meters. The 160m dipole is up and he will try to call and monitor CW on 1.8265 (down for JA and up for US) or SSB on 1.8430+ from around 1000 to 1500Z starting January 20th. He should be monitoring 50.110 as well. He has not had time to set up the SSB beacon so don't expect it yet, if at all. He has a 5 element yagi. He's apparently had about 30 QSOs on 6m with JA so far. He will be working on assembling the C3SS yagi on Sunday (today). He does not have any WARC, 80 or 40 antennas. He's not likely to be on those bands. He will only be there for a week, leaving around mid-day (local) on January 26. He does have a hand key for CW." He is expected to sign N4BQW/KH9. QSL via KB6NAN direct.

S2, BANGLADESH John, KX7YT, informs OPDX that he will be active as S21YV from Dhaka between January 27th and March 2nd. Activity will be on 20/15/10 meters SSB, PSK31 and CW. His usual operating times will be between 1200 to 1600z daily. John will be active during the ARRL CW and Phone DX Contests, work schedule permitting. QSL to John's home call sign, KX7YT.

SU, EGYPT. Said, SU1SK, was active this past weekend on 21310 kHz between 1430-1530z. Sometimes he shows up on/around 7025 kHz after 0330z. Also, heard this past weekend was Alan, SU9BN, on 12 meters on 24956 kHz after 1245z.

SV/A, MT. ATHOS. Kostas, SV1DPI, has been releasing information this past week about Monk Apollo, SV2ASP/A. He states that he talked to Monk Apollo on the phone and Apollo stated he was not active on CW on 21018 kHz on January 13th. This operation was the work of a SLIM. Also mentioned was that Apollo has managed to connect his PC with his HF radio, and he is ready to be on the air in the coming days. Kostas states, "He told me that he will operate only on CW (not Phone), but I presume that he will operate RTTY and maybe PSK, since I have sent him the relevant programs." Apollo will only operate during his freetime. Suggested times are: sometimes after 0530z (this is a short period before he does his daily duties until sunset [around 1600z during winter in Greece] and between 1700-1900z before he goes sleep. A request has been made for Apollo to listen for stateside stations around 0000z on 40 meters. Apollo didn't refuse but informed Kostas that it is quite difficult. LAST MINUTE UPDATE: Before going to print, a look at the DXCluster spots showed Apollo checked into a 40 meter net on 7075 kHz at 1011z.

VP6/D, DUCIE ISLAND (More Updates). More details were released this past week on the second Ducie Island DXpedition. Activity is expected on March 8th or 9th, depending upon seas and weather. Stu, WA2MOE, states the call sign will NOT be released or announced just before the operation begins to avoid slim activity. The announcement will come from Kan, JA1BK, or Stu, WA2MOE. The operators will use SSB, CW and RTTY from three sites on all HF bands, 6 meters and the AO-40 satellite. However, the main bands to be used will be 20 and 15 meters (QRV 24 hours). The organizer is Kan, JA1BK. Operators will be DJ9ON/Dieter (CW Op), DK9KX/Hans (CW Op), FO3BM/Philippe (6m SSB Op), JA1SLS/Hiro (CW/SSB Op), JR2KDN/Yuichi (SSB Op), N6TQS/Doug (SSB, AO-40 Op), VP6DB/Dave (10m SSB Op), VP6AZ/Mike (10m SSB Op) and VP6MW/Meralda (17/12m CW/SSB Op). Pilot stations will be: JE2EHP, DJ8NK and Stu/WA2MOE. QSL Manager is JR2KDN (direct or Bureau). The official Web page for the second Ducie Island DXpedition is at: <http://www.qsl.net/wd4ngb/ducie.htm> Another site with the latest news from JA1BK and pilots, and with E-mail links to pilots is at: <http://www.qsl.net/aa0mz/ducie2.htm>



On The Air



Welcome to the new “On the Air” column. In this column, we will highlight operating events such as contests, special event stations, etc. to help you get the most out of your on the air time. Contributions are always welcome from anyone. Please send them to the editor. So, let’s get started.

Special Events Stations

Punxsutawney, PA: Punxsutawney Area Amateur Radio Club, K3HWJ. 1400Z-2100Z **Feb 1.** Commemorating Groundhog Day 2003. 14.240 7.240 7.125. Certificate. Sherman Hollopeter, W3QOS, Box 20 216 E Main St, Big Run, PA 15715.

Greenville, NC: Brightleaf ARC, W1VOA. 1300Z-2200Z **Feb 8.** 40th Anniversary of Voice of America, Greenville, NC station. 28.340 14.240 14.040 7.240. Certificate. W1VOA, PO Box 8387, Greenville, NC 27835.

Chicago, IL: Metro Amateur Radio Club, K9Y. 1600-2400Z **Feb 8** and **Feb 9.** Chicago Harbor Southeast Guidewall Light (USA 930). 28.370 21.370 14.270 7.270. QSL. Bill Borgstrom, N9TN, 1330 W Columbia Ave, Chicago, IL 60626. <http://www.qsl.net/mac>.

Ft Myers, FL: Fort Myers Amateur Radio Club, Inc, W4LX. 1500Z **Feb 10-2100Z Feb 14.** The Edison Festival of Light & Thomas Edison's Birthday. 28.430 21.330 14.230 7.230. Certificate and QSL. Ft Myers Amateur Radio Club, PO Box 61183, Ft Myers, FL 33906.

Prescott, AZ: Granite Mountain Middle School YARC, K7A. 1700Z-2300Z **Feb 14.** Commemorating Arizona's Birthday from Sharlot Hall Museum. 28.575 21.375 14.275 7.275. QSL. Terry Pemberton, KB7TRE, Granite Mountain Middle School, 1800 Williamson Valley Rd, Prescott, AZ 86305.

Lake City, FL: Columbia Amateur Radio

Society, K4O. 1400Z-2000Z **Feb 15.** Olustee Civil War Battlefield Reenactment. 21.325 14.250. QSL. Efrain Bonilla, KP4CW, 586 NW Palm Dr, Lake City, FL 32055.

Alexandria, VA: Mount Vernon Amateur Radio Club, K4US. 1600Z **Feb 15-2100Z Feb 16.** Commemorating George Washington's Birthday. 28.415 14.240 10.110 7.240. Certificate. Mount Vernon ARC, PO Box 7234, Alexandria, VA 22307.

Baton Rouge, LA: USS *Kidd* ARC/Baton Rouge ARC, W5KID. 1500Z-2300Z **Feb 28.** 60th anniversary of the launching of USS *Kidd*, DD-661. General class bands, 14.250-14.320; CW QRP subbands. QSL. W5KID, c/o USS *Kidd* Museum, 305 S River Rd, Baton Rouge, LA 70802.

These Special Events listings provided by the ARRL website. For more special events, check the latest issue of QST or visit the ARRL website.

Contests for February

10-10 Inter. Winter Contest, SSB
0001Z, Feb 1 - 2400Z, Feb 2

Minnesota QSO Party
1400Z - 2359Z, Feb 1

FYBO Winter QRP Field Day
1400Z, Feb 1 - 0200Z, Feb 2

Delaware QSO Party
1700Z, Feb 1 - 0500Z, Feb 2 and 1300Z, Feb 2 - 0100Z, Feb 3

North American Sprint, Phone
0000Z - 0400Z, Feb 2

CQ/RJ WW RTTY WPX Contest
0000Z, Feb 8 - 2400Z, Feb 9

Asia-Pacific Sprint, CW
1100Z - 1300Z, Feb 8

YL-OM Contest, CW
1400Z, Feb 8 - 0200Z, Feb 10
FISTS Winter Sprint
1700Z - 2100Z, Feb 8

OMISS QSO Party
1700Z, Feb 8 - 0500Z, Feb 9

RSGB 1.8 MHz Contest, CW
2100Z, Feb 8 - 0100Z, Feb 9

North American Sprint, CW
0000Z - 0400Z, Feb 9

QRP ARCI Winter Fireside SSB Sprint
2000Z - 2400Z, Feb 9

ARRL School Club Roundup
1300Z, Feb 10 - 0100Z, Feb 15

ARRL Inter. DX Contest, CW
0000Z, Feb 15 - 2400Z, Feb 16

YL-OM Contest, SSB
1400Z, Feb 15 - 0200Z, Feb 17

CQ 160-Meter Contest, SSB
0000Z, Feb 22 - 2359Z, Feb 23

REF Contest, SSB
0600Z, Feb 22 - 1800Z, Feb 23

North American QSO Party, RTTY
1800Z, Feb 22 - 0600Z, Feb 23

Russian PSK WW Contest
0000Z - 2400Z, Feb 23

North Carolina QSO Party
1700Z, Feb 23 - 0300Z, Feb 24

Refer to the individual contest rules for details. Contest listing provided by Bruce, Horn, WA7BNM. For a complete listing, including a complete 12 month calendar, visit Bruce's website at: <http://www.hornucopia.com/contestcal/contestcal.html>

ARRL CONCLUDES 5-MHz EXPERIMENTS, AWAITS FCC DECISION ON NEW BAND

Without fanfare, the ARRL allowed its WA2XSY 5-MHz experimental license to lapse January 1 rather than request renewal for another year. Last May, the FCC proposed going along with the ARRL's 2001 request for a new domestic (US-only), secondary HF allocation at 5.25 to 5.4 MHz.

Discussions with various governmental agencies—including the Interdepartment Radio Advisory Committee (IRAC) and the National Telecommunications and Information Administration (NTIA)—continue on how to accommodate amateur operation in the band, which is primary for several governmental agencies including the military. The NTIA regulates radio spectrum allocated to the federal government.

"At this point, we have every reason to believe the FCC will act on its proposal early this year," said ARRL Chief Executive Officer David Sumner, K1ZZ. "As to what the outcome will be as far as 5 MHz is concerned, we cannot predict."

In a December 24 letter, Sumner thanked the 15 Amateur Radio clubs and individual amateurs who took part in the 5-MHz experimental operation that began in January 1999 and largely concluded in 2002. "You assisted in providing an important part of the groundwork for our petition for a domestic allocation to the Amateur Radio Service in this frequency range by demonstrating the desirability and feasibility of a shared allocation," he wrote. "We hope it will not be long before amateurs throughout the country are able to enjoy the fruits of your efforts." Sumner said the ARRL chose not to request another renewal of the WA2XSY license because it already had obtained sufficient information to justify its petition for the band.

Until surprise opposition surfaced last fall from the NTIA, the FCC had the League's request for a new 60-meter band on the proverbial fast track. In a letter filed with the FCC last August—after the comment deadline had passed—the NTIA recommended that the Commission not go

forward with the 5-MHz proposal. The NTIA said several government agencies with allocations in the proposed spectrum had expressed reservations about allowing amateurs to use the band, even on a non-interference basis.

The ARRL has been working with the federal agencies involved to resolve the impasse the NTIA letter raised. The NTIA said critical federal agencies, including the Department of Justice, the US Coast Guard and the Department of Defense, were making extensive use of 5 MHz frequencies. The FCC's May 2002 Notice of Proposed Rule Making (NPRM) fails to adequately protect these "critical government operations" from harmful interference, the NTIA asserted.

The ARRL has called the 5 MHz allocation "an urgent priority of the Amateur Service." In its July 2001 petition, the League told the FCC that a new band at 5 MHz would aid emergency communication activities by filling a "propagation gap" between 80 and 40 meters.

Experimental operations on 5 MHz continue on a very limited basis in the United Kingdom and in Canada. In Newfoundland, the Marconi Radio Club's VO1MRC has been operating under experimental authority from Industry Canada and an endorsement from Radio Amateurs of Canada to conduct experiments on 5 MHz. On December 21, VO1MRC completed a cross-band (5 MHz/7 MHz) CW contact with VK7RO in Tasmania.

Solar Update

Wave bender Tad "Who can make the sun shine, on a cloudy day?" Cook, K7VVV, Seattle, Washington, reports: Last week we reported sunspot numbers dropping dramatically. This week it became a trend. Average daily sunspot numbers for the past three weeks were 206.1, 164.4 and 55.3. Average solar flux was 188.7, 169.1 and 117.1. The real shocker though was Monday, with a sunspot num-

ber of only 44! I thought it possible that the sunspot number had not been that low since the other side of the solar cycle (before the peak), but we actually saw lower values of 27 and 38 on September 11 and September 12, 2000. On September 26, 1999, it was also 44—and that was probably on the other side of the peak of the current cycle.

Last year was surprisingly good in terms of high sunspot activity. The average daily sunspot number for Calendar Year 2002 was actually slightly higher than any of the three previous years. Average daily sunspot numbers for the years 1997 through 2002 were 30.7, 88.7, 136.3, 173, 170.3 and 176.6. Note the 176.6 value is lower than the 178.3 reported in last week's bulletin as the average sunspot number for the first 359 days of the year. The drop in sunspot numbers over the past week was so dramatic that it actually dropped the yearly average by nearly two points! Average daily solar flux for the same six years was 81, 117.9, 153.7, 179.6, 181.6 and 179.5.

What is the trend? Let's look at quarterly averages. Average daily sunspot numbers for the past eight quarters were 147.3, 164.8, 170.4, 198.1, 178.3, 165.3, 193.5 and 152.7. Average daily solar flux for those same quarters was 164.4, 166.7, 175.5, 219.1, 203.9, 156.4, 178.1 and 164.2. As you can see, there is quite a bit of variability in the values. Solar cycles only appear smooth when looking backward and doing a moving average of the data.

Currently Earth is entering a solar wind from a small coronal hole on the sun. Conditions could be unsettled on Friday and Saturday. The projected planetary A index for Friday through Monday is 15, 15, 10 and 8. The projected solar flux for those same days is 120, 125, 125 and 130. Sunspot numbers for December 26 through January 1 were 62, 63, 70, 51, 44, 50 and 47, with a mean of 55.3. The 10.7-cm flux was 127.4, 116.5, 116.9, 114.8, 113.8, 115.1 and 115, with a mean of 117.1. Estimated planetary A indices were 15, 37, 19, 13, 15, 11 and 10, with a mean of 17.1.

(from ARRL Newsletter)

The Bureau



ARRL QSL Service Manager Martin Cook, N1FOC, wheels to the loading dock just some of the nearly 139,000 QSL cards bound for bureaus around the globe. The postal cart behind him contains the bulk of the cards. [ARRL Photo]

(Continued from page 1)

way overseas in about a week upon arrival at League Headquarters. These cards are sent to other QSL Bureaus. Note that some countries do not have an Incoming Bureau, so the ARRL cannot forward to these countries. Also, some countries require membership for their incoming bureau, so the station you work would

have to be a member of the countries amateur radio society to receive their cards. A current list of these countries can be found on the ARRL's web site.

To use the bureau, the first thing you need to do is sort your QSL cards by the parent callsign prefix of the station worked. This is how the ARRL DXCC list is sorted. An example is M0X is located in Great Britain. The parent prefix would be G, so M0X would be sorted as a G station, not M. If you print QSL labels from a computerized logging program, many of these programs sort the labels by the parent prefix for you, so the hard part is already done.

You may also send cards to SWLs and QSL Managers. Again, sort by the parent callsign prefix of the SWL or manager. When sending to a manager, make sure you let the bureau know it is going to the manager. If the back of your card is blank, turn it over in your stack and put the QSL Manager's call in the upper left corner. Some logging programs put the manager on the label, such as **TR8GX via EA1AA**. This is acceptable. Just make sure there is no doubt. One last note on QSL Managers. You may send a QSL via the bureau to a USA QSL Manager if the station he is the manager for is DX. (Personally, I would use the direct approach for USA managers.)

DX is defined as any station outside the continental United States. Therefore you may also use the bureau for Alaska, Hawaii, and US possessions that have incoming bureaus.

Now that we have our cards sorted, we need to provide proof of ARRL membership. You can send the label from your QST magazine, or provide a photocopy of it or a copy of your membership card. This must be enclosed with the cards.

Next is payment. If you have a postal scale, weigh your cards and send \$4 per half pound, or part thereof. If not, using 75 cards per half pound, calculate your cost. Payment can be in the form of check or money order. Cash is OK, but at your own risk.

Now pack up your cards, proof of membership, and payment, and send it to: ARRL Outgoing QSL Service, 225 Main St., Newington, CT 06111. Please do not send anything else with your shipment. The bureau cannot forward IRC's, stamps, "green stamps", or other materials with cards.

Well, that covers it in a nutshell. For more information, please visit the ARRL's website at <http://www.arrl.org/qs/qsout.html>.

Swap 'n Shop

WANTED—Mobile HF antenna tuner. Contact Al Konig, WD8ISR, at (330) 896-8794

FOR SALE—Miscellaneous fishing equipment. Contact Joy Spencer, KA8TDF, at (330) 745-5115

FOR SALE—From the estate of Del Labo, W8SJC. The club is assisting Betty Labo in selling Del's equipment. Much is from Del's 40 years in the TV repair business. There are numerous pieces of vintage test equipment, boxes of parts including tubes, components, crystals, etc. A

heavy duty rotor, a beam antenna believed to be for 70 cm band, several parts drawer units in great condition. Various other antenna pieces. There are Akro-Mills cabinets with components (the cabinets are sold with the components). Just too much to list. Also, there are QST Magazines and Handbooks dating back to the 1930's. One non radio related item— 89 Pontiac Grand Am. Fair condition, \$600. If you are interested, please contact "Tiny" Mobley, KC8DEU, at (330) 896-3461, or Jesse Wall, KA8YYZ (ka8yyz@neo.rr.com) at (330) 724-7411 to arrange an appointment to browse the equipment. The club will be

taking some of the stuff to the Cuyahoga Falls Hamfest, and posting some on eBay.

Swap and Shop is provided as a service to our membership. Please send your items to Jesse Wall, KA8YYZ. The statement of condition of items listed is the sellers responsibility, and not that of PARF.

How to Impress a Non-Ham with Your Handheld Radio

By Mike Dinelli, N9BOR

Some people see the excitement of ham radio as a thing of the past. How do we convey our love of radio to curious kids and technically savvy adults? We certainly can't compete with cell phones, and perhaps we don't want to, anyway. Amateur Radio should remain a technical pursuit. We must demonstrate some knowledge before we are even allowed to call our first CQ. After we obtain our tickets, the learning should not stop. For the curious, ham radio is an ideal vehicle for lifelong learning in multiple disciplines.

Take your old 2-meter handheld, punch in a few tones and talk to a ham in Glasgow, Scotland. Instead of talking to the same group every night on the local repeater, you could have Jimmy Khoo, 9W2HJ, from Malaysia stop by to say hello. Perhaps Kappy, W9CJ, is on his way to dinner in Florida and decides he wants to check in with his buddies in Chicago on the MAC repeater. Is this possible? Yes, and it's really quite simple and inexpensive.

There are several systems available, but one that is growing in popularity is called EchoLink--free software that allows Amateur Radio operators to communicate with each other over the Internet, using voice-over-IP (VoIP) technology. The program allows worldwide connections to be made between stations, from computer to station, or from computer to computer. You don't even need a radio to talk to other hams on the air--you can do it with your computer and an Internet connection. I downloaded EchoLink from their Web site (1.8 MB), installed it on my hard drive and filled out the registration form. In about an hour, my registration was confirmed. It was manually processed to ensure my Amateur Radio license status. I start EchoLink and it displays a list of participants. Some are shown as repeaters, some are simplex links and others are just individual hams like me.

I scan through the list, see a repeater in New York and double-click on it. In about two seconds I hear Go ahead N9BOR, this is WB2xxx. Now what do I do? I should have read the instructions! Again I hear my call sign coming from my computer speakers. N9BOR, are you there? This is WB2xxx. A quick look at the Echolink screen and a mad rush to grab my \$2.99 computer microphone and I'm in business. I say, WB2xxx this is N9BOR, Mike in Chicago and I don't know what I'm doing. Can you hear me? Al, a mobile in New York says, Nice to meet you, Mike. You sound great! Soon I'm in a roundtable with another mobile station and a ham on a handheld in front of his house (in New York). The audio is crystal clear and I can't detect any delay or lost packets using my dial-up Internet account. I don't need an outdoor antenna or have to spend any money, yet I'm in Chicago and I'm talking to three hams in New York. Cool! This could even impress my 14-year old son.

To create a linked repeater, you need a simple interface, a boat anchor computer and an Internet connection. You can purchase an interface kit for less than \$50. Connections are made

for audio in, audio out and push-to-talk. That's all the hardware you need to create an Internet linked repeater. Options are available to enhance operation (control receiver and compressor/limiter, for example).

So why aren't more repeaters taking advantage of this technology? Maybe we want to keep ham radio a secret. Or perhaps it's because of the gray area that links radio with the Internet. There is some debate by purists as whether it is really ham radio when you use wired (Internet) technologies to facilitate a QSO.

Imagine walking your dog and talking to a ham in England on your handheld. A neighbor walks up and says, What are you doing? You say, I'm talking to my friend, Nigel in Manchester, England. He says it's bloody cold, but he's on his way to a rugby game anyway. This is how you impress a non-ham with your handheld.

Mike Dinelli, N9BOR, of Skokie, Illinois has been a ham since 1980. He is currently serving as Secretary of Metro Amateur Radio Club (MAC). His interests include boatanchors, contesting, DXing and CW ragchewing. You can reach Mike via e-mail at n9bor@qsl.net or through his Web site. The author would like to thank Philip Lazar, K9PL, for his assistance in editing this article.



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Hamfests for February

The 2003 NOARS WINTERFEST to be held February 2nd, 2003, at Gargus Catering Hall is at 1965 North Ridge Road, Lorain, Ohio North Ridge Road is also known as RT 254 or Detroit Road. We will open the doors to the public at 8:00 AM till 1:00 PM,

vendors may arrive at 6:00 AM to set-up Admission cost is \$5.00 including a *FREE* pancake/sausage and coffee breakfast until 11:00 AM. 6 Ft. Tables still cost \$10.00 each - all workers will need admission tickets. Contact Tom Porter 440-930-9115 or Clark Beckman 216-671-8795 for reservations. No RF emitting prize will be awarded to a non ham. Instead, the equivalent cash amount of the prize won will be awarded at club cost of the prize won. Mobile Check-ins and directions to provided on NOARS repeaters 146.70 - 444.800 +. Visit Winterfest on the web at <http://www.apk.net/noars/winterfe.htm>

The Mid Winter Hamfest & Computer Show sponsored MASER, will be held on February 9th from 6:30 am – 3:00 pm at

the Richland County Fairgrounds at 750 . Home Rd., Mansfield, Oh. Talk in is on 146.94 (-). Tickets are \$5 advance, \$6 at the door. For more information, contact Dean Wrasse, KB8MG, at (419) 522-W8WE or visit <http://www.maser.org>

The Cuyahoga Falls Amateur Radio Club will hold their 49th Annual Hamfest, Computer, and Electronics show on February 23rd from 8am to 2pm at Emidio's Party Center, 48 E. Bath Rd., Cuyahoga Falls, Ohio. Talk in is on 147.27+. For more information, contact Ted Sarah, W8TTS, at (330) 688-2013 or visit <http://www.cfarc.org>

The Hiawatha Amateur Radio Association will the 2003 Swap and Shop at Negaunee Township Hall, midway between Negaunee and Marquette on highway M-35. The talk in frequency will be the 147.27+ repeater, using the K8LOD callsign. Doors will open at 10:00am and the event is scheduled to end at 3:00pm. Admission is only \$4.00. There will be plenty of door prizes and as always the

raffle drawing (need not be present to win any of the raffle prizes). Raffle tickets are \$1.00 a piece or 6 for \$5.00, so bring an extra five spot along. Many table have already been sold and is usually a sell out, so if you want a table give Bruce, WB8NJP at 906 486-6400 or Bob, N8PKN at 906 226-9782 a call. Bob can also be reached via email at n8pkn@aol.com. Tables are \$6.00. There's no need to bring a lunch or go out to eat as there will be plenty of food, treats, coffee and sodas available at the refreshment stand. Lots of ham gear on the club table this year, hope to see you there.

The South Hills 8th Annual "WASHFest" will be held on Sunday, Feb. 23rd from 8 am to 3 pm at the Castle Shannon VFD Hall in Castle SHANNON, Pa. Talk in on 146.955 (-) and 443.650 (+) PL 131.8. For further information, contact Steve Lane, W3SRL, Hamfest Co-Chairman (412) 341-1043 or Bill Hill, W3WH, Hamfest Co-Chairman (724) 746-1776 (Nite)

Photo of the Month



Bill Prince, WB8AJR, in his well equipped shack giving the thumbs up after another successful contact.

This month's photo features Bill Prince, WB8AJR, (That's Apples, Juice, and Rum!) in his shack. Bill's equipment consists of a Kenwood TS-850S, a Kenwood TS-2000S, and an Ameritron AL-811H amplifier. Bill received the TS-2000 from Go-Jo when he retired last year!

Antennas include the Mosley TA-53M beam turned by a Yaesu rotor, an Alpha Delta DX-A sloper for the low bands, and a Cushcraft 13B2 beam for 2 meters.

Bill is very active on CW and SSB on 160 thru 10 meters, and on 2 meters. Bill's walls are lined with QSLs from all over the globe. He is a regular check-in to the 160 group on 1895 KHz, every evening at 0000 UTC. As a matter of fact, on Saturday night Bill is net control for the group.

Why not have your shack featured in the newsletter? Send me a picture along with a description of your shack and your operating activities. Or, what about that great QSL card you just got? - Editor

Pioneer Amateur Radio Fellowship

Calendar of Events

February 2003



Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday																																																																											
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3 7:00 PM PARF Net - WD8KND, Bob	4 7:00 PM VE Test Session @ Akron Baptist Temple	5	6	7	8	9 First Quarter Mansfield Hamfest																																																																											
10 7:00 PM PARF Net - WA8KR, Dick	11 7:00 PM Business Meeting	12 Lincoln's Birthday	13	14 Valentine's Day	15	16 Full Moon																																																																											
17 7:00 PM PARF Net - KA8NPR, Bob President's Day	18	19	20	21	22 Washington's Birthday	23 Buffalo Hamfest CFARC Hamfest Last Quarter																																																																											
24 7:00 PM PARF Net - KA8SXM, Barb	25 7:00 PM Fellowship Night	26	27	28																																																																													

PARF Repeaters W8CTT/R 147.135 and 146.610

2003

Cuyahoga County Skywarn Training



SKYWARN is a concept developed in the early 1970s that was intended to promote a cooperative effort between the National Weather Service and communities. The emphasis of the effort is often focused on the storm spotter, an individual who takes a position near their community and reports wind gusts, hail size, rainfall, and cloud formations that could signal a developing tornado.

Taken from the National Skywarn Homepage – <http://www.skywarn.net/>

The Lake Erie Amateur Radio Association in conjunction with the Cleveland office of the National Weather Service is pleased to host the 2003 Skywarn Spotter Training session for Cuyahoga County. This training is open to anyone interested in becoming a Skywarn Storm Spotter – an amateur radio license is not required to participate as a Skywarn member. Please make plans to join us!

When:	Tuesday March 25 th , 2003 Dinner at 6:30PM and the training will begin at 7:30PM
Where:	Dimitri's Restaurant 1830 Snow Road Parma, Ohio
Cost:	Skywarn Spotter Training is FREE Dinner prior to the meeting is available for \$14.50 per person and includes your choice of Chicken Parmesan, Steak, or Broiled Boston Scrod. Included with each entree are salad, potato, vegetable of the day, iced tea or coffee, and desert. Those wishing to attend the training without having dinner may do so by arriving at Dimitri's at 7:30PM. Because of limited seating, dinner prior to the training session is recommended to ensure the best available seating.
Reservations:	For dinner reservations please contact Marv Grossman, W8AZO at 440-248-0031 or leave a message at the LEARA voice mailbox by calling 440-942-0154. If you wish to make your reservation on-line, please visit the LEARA web site at www.leara.org . Please reference the March 2003 meeting.
Contact:	For additional information please contact Mike DiTurno, KC8OWL by e-mail at kc8owl@yahoo.com

Lancaster Amateur Radio Club Presents the:

GREATER BUFFALO Winter Hamfest

WNY's Largest Indoor Hamfest
Sunday February 23, 2003



All You Can Eat... Pancake Breakfast



* Prizes * **Drawings** * Commercial Vendors * Ham Gear
* Electronics * Computers * Fun * ARRL Sanctioned



Main Transit Fire Hall

6777 Main St. Williamsville, NY
1/16th mile from Transit Rd (RT 78)

Easy Directions to Hamfest:

Main Transit Fireman's Grounds is located
on Main St (RT 5) 1/16th mile from Transit Rd (RT 78)
Exit 49 I 90-Depew/Lockport
Talk In 147.255 + PL 107.2

Information & Reservations

Admission: only \$6 Tables: only \$10 7:30 AM - Till ?

Hamfest Web Site: <http://arc.hamgate.net>

General Information: k2peb@arrl.net

Phone: 716-542-4201

Table Reservations & Pre Sale Tickets

Reserve On Line at: <http://arc.hamgate.net>



Tables By Phone: 716-542-4201 (Jim)

Pre sale Admission Tickets By Phone: 716-542-4201 (Jim)

Table reservations by Phone: 716-542-4201 (Jim)

Host of the Western New York ARRL Section Convention
August 3, 2003

The Radiator

Pioneer Amateur Radio Fellowship, Inc.
c/o Jesse Wall
1264 Brown St.
Akron, OH 44301-2268

Mailing
Address
Goes
Here

The Radiator

Pioneer Radiator

Is the newsletter of the Pioneer Amateur Radio Fellowship, Inc. It is published monthly for the members of PARF, ARRL Officials, and participating clubs.

Total Membership: 110
Licensed: 95
Non-Licensed: 15



A Community Service Club Since 1981

Home of the 147.135 and 146.610 Repeater System
W8CTT/R
DON'T FORGET OUR MONDAY NIGHT NET!
147.135 MHz AT 7:00 pm

Club Website: <http://www.qsl.net/w8ctt>

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