

The Oscillator

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The Election Results are In! The 2006 Tri-Town Officers!

President Jerry Dagenais, K9PMV
Vice President Richard Poortinga, KB9IPS
Secretary Jim Everand, WD9GXU
Treasurer Sharon Gunderson, KA9IIT

Director Mark Thompson, KA9MDJ
Director Todd Schuman, KA9IUC
Chairman of Board Brian J. Bedoe, WD9HSY

Up Coming Programs

January 20, 2006

The DX Expedition to Howland, Island

featuring TTRACs own Mike McGirr K9AJ and Phil Florig W9IXX

Up Coming Events

Folks on Spokes Easter Ride, April 9th
Railfest approximately May 1
Drivin' the Dixie June 17th
ARRL Field Day 2006 June 24th & 25

Dues Are Now Due! It's 2006!

It is Winter Hamfest Season --- Wheaton Hamfest Jan 22, 2006

<http://www.wheatonhamfest.org/>

Officers, Board Members, & Committee Heads for 2006:

| | | | | |
|-------------------|--------|---|--------------|---------------------------|
| Jerry Dagenais, | K9PMV | President and W9VT Station Mgr | 708.385.2866 | K9PMV@msn.com |
| Rich Poortinga, | KB9IPS | Vice President | 708.957.4421 | richardpoortinga@juno.com |
| Jim Everand, | WD9GXU | Secretary | 708.748.6798 | NONE |
| Sharon Gunderson, | KA9IIT | Treasurer | 708.957.7944 | sgunderson@gwclow.com |
| Mark Thompson, | KA9MDJ | Director | 708.946.2877 | cinjontim@juno.com |
| Todd Schumann, | KA9IUC | Director | 708.423.7066 | tschum3063@aol.com |
| Matt Schumann | N9OTL | Raffle Chairman | 708.423.7066 | mattschuman@yahoo.com |
| Bruce Haffner, | WD9GHK | W9VT Trustee | 708.614.6134 | WD9GHK@earthlink.net |
| Brian J. Bedoe, | WD9HSY | Chairman of Board Repeater Trustee, & Oscillator Editor | 815.469.1383 | Bbedoe@aol.com |

Members of the Tri-Town Radio Club Inc. publish the Oscillator 6 times a year. Opinions expressed are not necessarily those of the Officers or members of the Tri-Town RAC, but of the contributors. All articles may be reprinted as long as full credit is given. Other publications are asked to reciprocate their newsletter. Some Articles printed here are from AMSAT, ARRL Letter, TAPR, World Radio, and Other Amateur Radio Publications. Illustrations by **Libby Bedoe, KB9WOV**.

Club Meetings & Nets

Club meetings are the **3rd Friday** of each month at the **Village of Hazel Crest Village Hall**, 170th and Holmes. All are welcome and refreshments will serve. Don't forget to bring a Friend.

2 Mtr FM 49'ers Net - Wed, 8:00 PM Local, 146.490.

40 Mtr SSB Net - Saturdays, 8:30 am Local, 7.2625.

10 Mtr SSB Net - Thursdays, 8:00 PM Local, 28.490.

Cracker Barrel Net - Monday-Friday 3:00 PM Local 146.49

2 Mtr FM Weather Net - Sundays, 8:00 PM local, on **The Club's Repeater** 146.805 -600kc 107.2 PL

Visit Tri-Town's Web Page!

Be sure to checkout: **www.w9vt.org**. This is Tri-Town's page and it will lead you to a lot of interesting and useful web sites. There you find information about the Club, Bunker News, Nets and the ability to send E-mail to the Club officers.

The W1AW Operating Schedule may be found on the web at, <http://www.arrl.org/w1aw.html>

Swap and Shop

For sale:

MFJ-401D Keyer, in Box \$35.00.

Wn. Nye Squeese Key SSK-001 with cord & 1/4 inch plug. \$ 40.00
from Bob, KA9PMZ email hamradio20@juno.com or 708.474.4258

Celebrating 75 Years!

Flash back to 1987 Field Day.....



**Who are these brat kids and Who do they belong too?
.... Hey kid, get me a beer, please!**

Yes, that's Tom & Trish Gunderson! Remember when Tom was under 6' 7"? Trish still looks like she's 12. Who would have imagined this just under 20 years ago? Tom, W9SRV was Club President back in the late 90's and Trish, N9WDG is wrapping up her year as president this month! ---- Kids!

This picture appears to be in Doug Lee's motorhome at Tolentine in 1986 or 1987. There will be more pics over the next few months as we close to 75-year mark. Current plans include a special event station and a party.... Details to follow!

By the way, all of our field days that I know of have been DRY so change that to a pop, not a beer!

From the President's Desk

By Jerry Dagenais, K9PMV

I first joined Tri-Town back in the mid 1970s. In those days we met above the fire station on Jodave Avenue. Hank Dexter K9IJC (sk) was president at the time. I would eventually teach a novice class and then serve 2 years as club secretary. Afterwards, I drifted out of ham radio for a few years, but eventually found my way back. One of the invitations to rejoin the club was from Hank Dexter when he used to run the 40-meter net from the bunker on Saturday mornings. I always enjoyed the 40 meter net and checked in as often as I could. Hank was friendly and always enthusiastic about the club. Sometime later, Hank passed away suddenly and the 40 meter net sort of drifted on its own for a long while. I thought that I could get involved with the club again by being net control on Saturday mornings. That was quite a while ago, and I must say that running the 40-meter net is just as much fun now as it was when I started doing it.

Now I find myself as president of Tri-Town, which ... is sort of like being net control. Before I considered volunteering for this position, I consulted with club members that I have been especially close to. Everyone I talked to gave me the support and encouragement that I was looking for. I also found, that among these members, there is sincere concern about the future of the club. I am pleased to see this interest and I am looking forward to 2006 and serving as Tri-Town president. Another source of personal encouragement is the fine board of directors that has assembled to help me guide the club's future.

Tri-Town has a vast store of assets. The Bunker comes to mind immediately with all the fine equipment and facilities we have. We put out a commanding signal on all bands and can even talk through the satellites. In recent times, club members have created the Tri-Town Family of Repeaters, VHF and UHF, that are available for all to use. We have a club Website and a newsletter that has never missed a publish date. However, the greatest asset is our members. We have devoted net control operators and club committee members that keep club activities and meetings running smooth. These things all take time, effort, and concern. We are blessed to have members who are gracious to contribute in such a way. We are a small club, but smallness creates familiarity, and no one gets lost in this crowd. There are many good activities that we will sponsor throughout the year that I hope you will enjoy participating in. Especially significant this year is the celebration of Tri-Town's 75th anniversary. Seventy-five years is a long time and the club's history is another asset to be proud of.

It is an honor to serve the club in the President's chair. I am humbled by the many fine amateur radio operators who have filled this position over the years. I will do my best to keep the club the fun place it has always been. Please give me your ideas on what you would like to see the club do. "Keep enjoying the hobby" and see you at the next meeting.

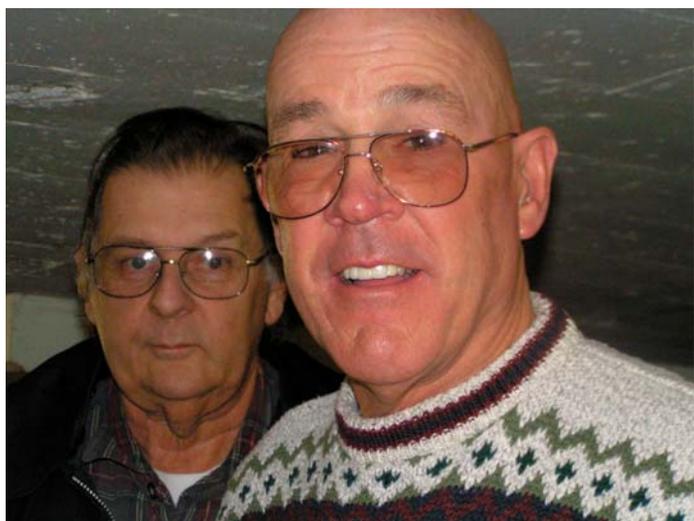
ISS commander attempting to WAC on UHF:

International Space Station Expedition 12 Commander Bill McArthur, KC5ACR, will be attempting to work all continents--including Antarctica--on UHF during the January 14-15 weekend (UTC). McArthur will be using the Amateur Radio on the International Space Station (ARISS) call sign NA1SS. The astronaut already has worked all continents plus Antarctica on VHF. "It is his desire to work all continents on the UHF band (70 cm) from the International Space Station," said Kenneth Ransom, N5VHO, the ARISS ham radio engineer. "The frequency he will be using will be 437.55 MHz FM simplex." Ransom notes that the substantial Doppler effect on 70 cm dictates split-frequency operation for most of a given pass. He suggests setting up transmit and receive memories with 5 kHz spacing. McArthur still needs to work Alaska and Missouri to claim Worked All States from space. He also has worked more than half the 100 entities he needs for DXCC US QSLs for NA1SS contacts go to ARRL, ARISS QSL, 225 Main St, Newington, CT 06111-1494.

Christmas Party 2006 at the Bunker

No Comments, No Captions, No roasts, No touch ups,
just some nice pics of the Gang. I didn't get everyone,
sorry about that!

OLD PICS are coming! I have some of you guys in pics
from the 60's, 70's, and 80's!







Connecticut Emergency Responders Create New Communication Device

From a newsletter called "Government Security"

from Don, KA9QJG

(This is 2006! Isn't this a Repeater? or am I missing something here?- first-of-its kind device? – Duh)

Connecticut emergency responders say they have created a first-of-its kind device that will allow rescue crews from several agencies to talk to each other at the scene of an emergency or disaster, The Associated Press reports.

If the invention proves successful, it could help clear one of the biggest obstacles Homeland security officials have been trying to overcome since the 2001 terrorist attacks: the inability to communication across radio frequencies.

Dubbed STOC, for "on-Scene Tactical Operations Channel," the device combines **a radio and receiver into a single box that instantly receives a signal from one frequency and sends it onto another frequency, officials say.**

Neighboring towns typically handle rescue communications on different radio frequencies, hindering communication in a crisis. Many municipalities around the country are trying to solve the problem by buying new radios to get regional agencies on one frequency. "The beauty of the device is, we don't have to buy more radios," says Wayne Sandford, the state's deputy Homeland security director.

A prototype has been developed, another is in the works and state officials have allocated nearly \$2.1 million to build a box for towns across the state, Sandford says. Sandford adds that he believes **Connecticut is the first state in the nation to develop such technology.** He said the state should know within the next few months whether it is successful.

Editor's note – Cross Band repeaters have been around for years, as a matter of fact almost all of today's dual band mobiles and HT's do crossband and they are paying 2.1 million for development?

-- I wonder if they would you like to buy my ICOM 2350H? Only \$ 325,000.00 --- Brian, WD9HSY

FCC INVITES COMMENTS ON ARRL'S PETITION ON "REGULATION BY BANDWIDTH"

Comments are due by Monday, February 6, on the ARRL's Petition for Rule Making that asks the FCC to regulate the amateur bands by necessary bandwidth rather than by mode. The petition, designated as RM-11306, recommends what the ARRL calls "a shift in regulatory philosophy" to encourage and enable development and refinement of digital techniques and advanced technologies.

"This petition seeks for the Amateur Radio Service the flexibility to experiment with new digital transmission methods and types to be developed in the future while permitting present operating modes to continue to be used for as long as there are radio amateurs who wish to use them," the League said in its petition, filed November 14. The ARRL says the changes it suggests also will update the FCC's rules and eliminate the need for "cumbersome procedures" to determine whether a new digital mode is legal under Part 97.

The next step in this proceeding would be either a Notice of Proposed Rule Making (NPRM) or a dismissal of the League's petition. An NPRM would kick off a further round of formal comments. For the rules to take effect, the FCC would have to issue a Report and Order putting the changes into place and setting an effective date.

- * 200 Hz would permit CW "at all speeds that human operators can decode" as well as PSK31.
- * 500-Hz bandwidth for RTTY and data modes and possibly some new image modes.
- * 2.8 kHz would remain the bandwidth for 60-meter operation on USB.
- * 3.5 kHz would accommodate SSB and digital telephony, image, high-speed data and multimedia.
- * 9 kHz is the ARRL's recommendation for double-sideband AM.
- 16 kHz is "a reasonable compromise bandwidth" to continue to permit analog FM voice, data, digital voice and multimedia at 29.0 to 29.7 MHz.
- * 100 kHz, now permitted for RTTY and data in bands above 420 MHz, should be allowed starting at 50 MHz, with the exception of 50.0-50.3 MHz and 144.0-144.3 MHz to allow digital multimedia and high-speed meteor scatter work.

ARRL CEO David Sumner, K1ZZ, has discussed the subject of regulating by bandwidth in three "It Seems to Us . . ." QST editorials: "Regulation by Bandwidth" in September 2004, "Narrowing the Bandwidth Issues" in April 2005 and "Self Regulation" in October 2005.

"This petition does not favor one mode at the expense of another," the ARRL concluded in urging FCC adoption. "It merely allows expansion of the repertoire of options that amateurs may pursue compatibly."

A copy of the ARRL petition is on the ARRL Web site

<http://www.arrl.org/announce/regulatory/bandwidth/Bandwidth-Minute-64-Petition-FINAL.pdf>

ARRL: New Policy for deployed members of the US military

In support of deployed US armed forces, the ARRL has adopted a new policy. ARRL members in active US military deployment outside the US and its territories may request to temporarily suspend dues payments and/or delivery of QST for the duration of their deployments. The objective is to ensure that members in active duty and deployed overseas can maintain their League memberships. The ARRL recognizes that members deployed away from their homes or permanent duty stations may experience difficulties with, or interruptions in, mail delivery or other disruptions. To apply, members should e-mail the ARRL Circulation Department <circulation@arrl.org> or send a copy of their deployment orders or a verification letter to ARRL, Attn: Circulation/Military Deployment, 225 Main St, Newington, CT 06111 USA; fax 860-594-0303.

ARRL PRES ELECTION TO HIGHLIGHT BOD MEETING

The election of a new ARRL president will highlight the annual meeting of the ARRL Board of Directors. When the Board convenes Friday and Saturday, January 20 and 21, in Windsor, Connecticut, Jim Haynie, W5JBP, will wield the gavel for the last time as the League's president. Haynie, who lives in Dallas, Texas, has made it known over the past few months that he will not be a candidate for a fourth two-year term. He says that while it's been a great honor to serve as the ARRL's president for the past six years, he feels it's time for him to step aside.

"It's a time-consuming job. It tends to wear on you after a while," Haynie conceded this week. "I've racked up hundreds of thousands of miles traveling--not only here in the United States but all over the world representing the ARRL and Amateur Radio."

Haynie says he's thoroughly enjoyed his tenure in the League's top office--a strictly volunteer position--but he believes someone with fresh ideas and a different vision from his now should take over the reins. The ARRL Board customarily elects a president from among its own ranks or elevates one of the League's vice presidents, although it's not required to. When he was elected, Haynie was the ARRL West Gulf Division Director.

Among the successes of his six years as ARRL president, Haynie cites the ARRL Education and Technology Program--often better known as "The Big Project." Haynie kicked off the initiative to put Amateur Radio stations and a curriculum into schools across the US shortly after he took office in 2000. The program now boasts upward of 180 participating schools.

He says he's also proud that he's been able to contribute to enhancing the visibility of Amateur Radio at the FCC, in "official Washington" and on Capitol Hill. "I enjoyed that work," said Haynie, who testified before the House Subcommittee on Telecommunications and the Internet on behalf of the Spectrum Protection Act in 2003. Last year, he submitted written testimony to the House Government Reform Committee on the successful efforts of Amateur Radio operators who provided communications during the Hurricane Katrina response.

"It's paid off in the long run," Haynie said of his regular visits to Washington to advance Amateur Radio's agenda. "Amateur Radio needs to learn how to sell itself, not just from the League's standpoint," he said. "The president can only do so much." He encouraged all radio amateurs, whether or not they're ARRL members, to promote Amateur Radio and its value to the community.

Among other items on its agenda, the ARRL Board is expected to discuss the process of developing effective band plans to support rule changes the League recently requested in a Petition for Rule Making RM-11306. The petition asks the FCC to regulate the amateur bands by necessary bandwidth rather than by mode. The Commission will accept public comments on the petition until February 6.

This weekend on the Low Band Radio

The North American QSO Party (CW), Hunting Lions in the Air, the 070 Club PSKFest, the Michigan QRP January CW Contest and the NRAU-Baltic Contest (CW and SSB are separate events) are the weekend of January 14-15. The Run for the Bacon QRP Contest is January 16. The NAQCC 80-Meter Straight Key/Bug Sprint is January 19. JUST AHEAD: The ARRL January VHF Sweepstakes, the North American QSO Party (SSB), the LZ Open Contest, the UK DX Contest (RTTY) and the Hungarian DX Contest are the weekend of January 21-22. See the ARRL Contest Branch page <<http://www.arrl.org/contests/>> and the WA7BNM Contest Calendar <<http://www.hornucopia.com/contestcal/index.html>> for more info. See the ARRL Contest Branch page <<http://www.arrl.org/contests/>> and the WA7BNM Contest Calendar, <<http://www.hornucopia.com/contestcal/index.html>> for more info.

US, THAI AND BRAZILIAN YOUNGSTERS LEARN ABOUT LIFE IN SPACE VIA HAM RADIO

Students in Michigan, Thailand and Brazil are among the latest to learn about life in space by speaking via ham radio with International Space Station Expedition 12 commander Bill McArthur, KC5ACR. The three contacts with the station's NA1SS were arranged by the Amateur Radio on the International Space Station (ARISS) program. McArthur told pupils at Carman Park and Rankin elementary schools in Flint, Michigan, December 21 that wearing eyeglasses in space poses special problems.

"My glasses get oily from my skin a little more quickly than on the earth, and if my face is wet, they do fog up because we don't have the same breezes to keep them clear," said McArthur.

McArthur also told the youngsters that the ISS is relatively safe from collisions with space debris, although it does collide with "minor pieces of dust" as it orbits Earth. Responding to another question, he said he's able to keep in touch with the ground via e-mail at least three times a day.

Youngsters at the two Michigan schools had been studying about the ISS and preparing for their big moment since September. Nancy Rocheleau, WH6PN, in Hawaii served as the Earth station control operator, and MCI donated a teleconference link to provide two-way audio to the Michigan students. Despite some delay in getting the contact under way, 17 questions were asked and answered during the QSO.

On December 31, several young radio amateurs attending the 25th Asia-Pacific Scout Jamboree in Bangkok, Thailand, spoke with McArthur. During the approximately eight minute contact between NA1SS and E25AJ, the ISS commander left open the possibility of life on other planets.

"There are billions and billions of stars in the universe, so there must be billions and billions of planets," McArthur observed. "Certainly other planets must have the ability to sustain life."

The Bangkok ARISS event attracted several TV, radio and newspaper reporters. Nui Apornrum, E20YZD, served as the Earth station control operator for the direct VHF contact.

The first ARISS school group contact of the new year took place January 2 between NA1SS and PY1KCF at the STS Flight School in Rio de Janeiro, Brazil. McArthur answered 15 questions put to him by students, professors and flight instructors.

McArthur told the group that keeping fit was among the biggest challenges of living in space. "The most difficult thing is keeping healthy in the absence of gravity, keeping muscles strong as well as our bones, and we do that through intense exercise," he said.

Being fit, he said in response to a later question, is one requirement for venturing into space. "I think the greatest skill is doing a spacewalk," he said. "It requires physical strength, endurance and significant training."

Replying to another question, the Expedition 12 commander described the ISS as much more than a spaceship "It is a very large ship, rather than an aerospace vehicle," McArthur said, "because it is so stable, and there is no turbulence and very little vibration."

Earth station operators for the direct contact were Tadeu Fernandes, PY1KCF, of ARISS-Brazil, and Felipe José, PY1IA. Cássio da Fonte, ZZ1UMS, and Kevin Fernandes handled the real-time translation for the approximately 60 people on hand. ARISS <<http://www.rac.ca/ariss>>

ARRL CAUTIOUSLY OPTIMISTIC ABOUT PENDING TEXAS BPL DEPLOYMENT

The ARRL is taking a cautious, but hopeful, stance following the recent announcement of a commercial broadband over power line (BPL) deployment by the largest electric power utility in Texas. TXU Electric Delivery and BPL manufacturer Current Communications Group have partnered to establish "the nation's first broadband-enabled Smart Grid" that will cover most of TXU's service area. That includes some two million homes and businesses in the Dallas-Forth Worth area as well as other Texas communities.

"If TXU is going to install a BPL system, the ARRL is glad that TXU has chosen Current's system--which avoids using spectrum allocated to the Amateur Radio Service--in preference to one that has proven to be problematic," commented ARRL CEO David Sumner, K1ZZ.

It was another story altogether when TXU operated a pilot BPL project in Irving, Texas, in 2004 and early 2005 using Amperion hardware. The system generated such interference on Amateur Radio frequencies that the League filed a formal complaint with the FCC in support of a Texas radio amateur seeking the system's shutdown and fines for the operator. Within two weeks of the League's filing, TXU dismantled the BPL trial, and the ARRL withdrew its complaint.

"Current has avoided putting high-frequency energy on the medium-voltage lines by using low-band VHF (30-50 MHz) instead," Sumner wrote. Additionally, he noted, Current's system uses Homeplug modems, which avoid all ham bands except 60 meters, to connect individual customers. Limited testing of the Cinergy BPL deployment suggested its interference potential is minimal relative to Amateur Radio facilities.

While Sumner won't rule out some occurrences of RF interference in the TXU rollout, he says the League anticipates a low-enough probability to deal with it on a case-by-case basis. ARRL Laboratory Manager Ed Hare, W1RFI, says he's discussed with engineers at Current Technologies the sorts of interference issues that might arise.

"While they are taking the position that they will wait until problems actually occur, then determine what is needed to fix them, their open dialogue with ARRL will be an important part of the process," he said. "The opportunity for dialogue exists for all of the BPL companies, although not all of them want to work on solutions to the interference problems that have plagued this industry."

In October, the ARRL petitioned the FCC to issue a Further Notice of Proposed Rule Making modifying the Part 15 BPL rules it adopted a year earlier and sharply reduce BPL's potential to cause interference. In exchange, the League said it would withdraw its still-pending Petition for Reconsideration in the BPL proceeding, ET Docket 04-37.

"It is no longer the case that all BPL systems inherently radiate high levels of RF energy on amateur allocations on overhead medium-voltage power lines," the ARRL said in its petition. "Thus, not all BPL architectures have similar potential for harmful interference to the Amateur Radio Service (and to other licensed services)."

The League's petition cited BPL systems by Current Technologies, IBEC and Corridor Systems as being among those that meet the additional requirements it's proposed. The ARRL also has cooperated with Motorola in testing the interference potential of that company's Powerline LV BPL system. Results so far have been very encouraging.

Judging from TXU's news release, BPL's ability to provide broadband service to individual customers and businesses take a back seat to its potential to monitor the utility's power grid, preventing and detecting problems and outages and enabling automated meter reading.

FCC ZIPS THROUGH VANITY APPLICATION BACKLOG

Once the FCC resumed processing Amateur Radio vanity call sign applications earlier this month, its Wireless Telecommunications Bureau (WTB) blazed through the backlog.

A total of 990 vanity applications piled up in the queue after the FCC suspended vanity processing September 23. The WTB dispatched them in fairly short order. An initial batch of 121 grants Friday, January 6, was followed by 195 more the next day. Apparently confident by then that the system was working okay, the FCC let loose the remaining 674 vanity grants Tuesday, January 10.

During the vanity hiatus, applications appeared with a "Y--application has problems" flag in the Universal Licensing System (ULS) <<http://wireless.fcc.gov/uls/>>, prompting some concern on the part of those who checked their applications' status. The WTB reportedly applied the "Y" status to prevent the system from running the entire backlog at once.

The WTB halted vanity processing last fall after realizing that filing deadline extensions for licensees in certain states affected by hurricanes Katrina and Rita applied to Amateur Radio's two-year "grace period" and could impact the vanity system.

SOLAR UPDATE

Propagation guru Tad "Walking on the Sun" Cook, K7RA, Seattle, Washington, reports: Geomagnetic conditions have been very, very quiet. This week has seen many periods when the K index--both planetary and mid-latitude--was zero or one. The average planetary/mid-latitude K index this week dropped from 5.4/5.1 last week to 3.3/3.4 in the current reporting period.

Of course, this low in the solar cycle, it is not surprising that sunspot numbers and solar flux also dropped. Average daily sunspot numbers declined by 35 points from last week to 14.7, and solar flux was down 7.5 points to an average of 79.4.

Over the next week expect these conditions to stay the same, with some slightly unsettled geo-activity possible January 16.

Sunspot numbers for January 5 through 11 were 23, 24, 11, 11, 11, 11 and 12, with a mean of 14.7. The 10.7 cm flux was 83.4, 82, 79.2, 78.2, 77.6, 77.8, and 77.3, with a mean of 79.4. Estimated planetary A indices were 3, 6, 5, 4, 2, 1 and 2, with a mean of 3.3. Estimated mid-latitude A indices were 3, 6, 6, 5, 1, 2 and 1, with a mean of 3.4.

ARRL IN BRIEF:

NCDXA takes over as ARRL W3 Incoming QSL Bureau

Effective January 2, the National Capitol DX Association (NCDXA) <<http://www.qsl.net/ncdxa/>> assumed sponsorship of the ARRL Third Call Area Incoming QSL Bureau. The new bureau address is National Capitol DX Association, PO Box 1149, Clinton, MD 20735-5149. Noted DXer Fred Laun, K3ZO, will manage the bureau. He takes over the reins from well-known QSL manager and DXer Mary Ann Crider, WA3HUP, who oversaw W3 incoming QSLs for more than a decade. "Her tenure has been notable for its length of service and for the collegial atmosphere she has nurtured among her loyal band of sorters," Laun said of Crider, who received the 2005 ARRL President's Award last November. "Her encyclopedic knowledge of DXCC entities and call sign prefixes was built by her work in the trenches, as illustrated by her DXCC confirmed total of 360 entities." Before taking over as manager, Crider served as a sorter for 11 years. Laun says the QSL bureau transition should be seamless, and many of the sorters will remain the same.

Tri-Town Radio Amateur Club Membership Application

Name _____ Call _____

Address _____ License Class _____ ARRL Member Y / N

City, State _____ Zip _____ Phone _____

Email Address: _____

____ Regular Membership \$ 20.00
____ SWL Membership \$ 20.00
____ Extra Family Membership \$ 6.00
____ Bunker Buddie \$ 5.00

____ Auto Patch w/1 Speed Slot \$ 25.00
____ Extra Speed Slots \$ 5.00

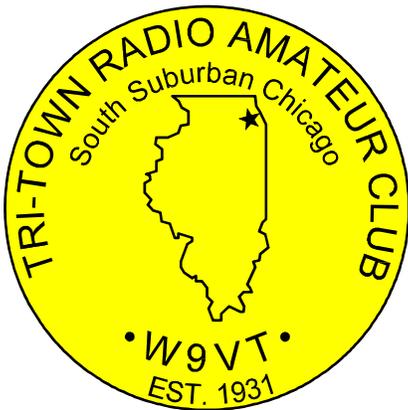
\$ _____ Total Paid by Club Member

For Example: Regular Member, with A/P and Bunker Buddy (20+25+5) = \$ 50.00

Tri-Town Radio Amateur Club Inc.
PO Box 1296
Homewood, IL 60430-0296

January 2006

Dues Are Now Due! It's 2006!



Visit Tri-Town's Web Page!

WWW.W9VT.ORG