

de N1NC

February 2001 Volume 10 Number 2

This Month's Meeting

This month's presentation is by Les Peters, N1SV on verticals and vertical arrays for 80 & 160m.

Now that the current sunspot cycle is officially on the decline now maybe the time to start thinking about your next low band antenna. Join Les as he discusses vertical antenna systems for low bands including the installation of his 80m four square array this past fall.

Bring your short Show-and-Tells to the meetings. They are always welcome. Its always interesting to see the variety of things people are working on.

We are always looking for ideas for the meeting program. Don't be afraid to suggest something that seems interesting to you.

We gather at Tiny's for breakfast Saturday mornings at 8:00 AM. We sit in the back dining area.

Last Month's Meeting

At the January meeting we had two drawings for ARRL books. Diane K1LQ was the first winner and chose the ARRL Operating Manual. Earl WR1Y was the second winner and received a set of three books including a Technician and General Manual.

Bob W1XP did a show and tell on a balun he made out of coax and ferrite beads for 80 and 160 meters. He demonstrated how it isolated the antenna end of the feed line from the transmitter end using an antenna analyzer.

Les N1SV set up his laptop as a show and tell to look at his website and the club website.

As mentioned in the newsletter Erik asked if there was a volunteer to coordinate Field Day. After some discussion Wolf KA1VOU volunteered to coordinate a QRP Field Day with someone else. Craig N1ABY volunteered with the caveat that business travel might be an issue.

[I'm sure Wolf would accept additional help--ed]

Bruce K1BG brought up the idea of a club email reflector. After some discussion about the privacy of addresses on some list servers Erik KA1RV volunteered to host the reflector. Bruce also suggested a nightly 10 meter SSB net on 28.405 MHz.

There was a suggestion for an equipment/junk swap as a possible meeting program. Some felt we wouldn't have enough material to sustain an entire meeting and maybe we wouldn't want to spend a meeting that way. A suggestion was to bring things to the meeting that you just wanted to give away which is the current practice. If there was an item that someone wanted to auction we could do that at any meeting.

It was announced that we had arranged with Burt, the W1 QSL manager, to schedule a QSL sort for our October meetings. This was decided at the board meeting based on the fact that we try to have a sort each year and Burt had expressed a desire to have clubs sign up for a month so he didn't have to waste time calling clubs each month to sort.

The main program was an Intro to Internet Firewalls by Erik KA1RV. In the past this has been the realm of system administrators protecting corporate assets. Now home users are moving from intermittent dialup connections to things like ISDN or cable that provides 24 hour internet connections to our PC or home net-

worked systems. In this environment it will become important to protect yourself since your equipment is exposed to the crackers continuously. Erik discussed some of the strategies, software and hardware available for this purpose.

W1 QSL Bureau Info

Effective Feb 5, 2001 the new address of the W1 QSL bureau is as listed below.

W1 QSL Bureau
P O 7388
Milford, Ma 01757 - 7388

Incoming mail will be forwarded for a year in case you forget.

You've come a Long Way Baby

Or, I must be getting really old.

Bob W1XP mentioned in a recent email how 256 MB seemed like a lot of memory for the new PC he was thinking about ordering. He mentioned (and we reminisced) how 64K, or 8K or whatever minuscule amount seemed like a lot of memory back in.....

I certainly remember when Heath jumped from 8 Kb to 16 Kb on a five inch by ten inch card for my first PC a Heathkit H-8.

Well I just populated the first desktop machine at work with 2 Gb on four DIMMS. That's 2,097,152 Kb of memory by the machines count. Sounds like a hard drive to me.

Stan

Public Service Jan 2001

Listing public events at which Amateur Radio communications is providing a public service and for which additional volunteers from the Amateur Community are needed and welcome. Please contact the person listed to identify how you may serve and what equipment you may need to bring.

Every event listed is looking for volunteers
Date Location Event Contact Tel/Email

Apr 1 Boston MA Multiple Sclerosis Walkathon Bob WA1IDA 508.650.9440 wa1ida@arrl.net

Apr 16 Hopkinton MA Boston Marathon (course) Bob WA1IDA 508.650.9440 to Boston wa1ida@arrl.net

Apr 16 Hopkinton MA Boston Marathon (start) Steve K1ST 508-435-5178 k1st@arrl.net

Apr 16 Boston MA Boston Marathon (finish) Paul W1SEX 978-632-9432 ptopolski@net1plus.com

Apr 29 Groton MA Groton Road Race Erik KA1RV 978-448-5536 erik@eggo.org

World Wide Web users: the most recent copy of this list is maintained as <http://purl.org/hamradio/publicservice/nediv>.

SWL Report

Usually I'm the one worried about causing interference in my area not experiencing it. Recently while putting my daughter to bed a nearby ham operating in the January VHF contest came through on our baby-minder calling CQ contest. His signal was so strong that even though he was on SSB two miles to the East he was intelligible on my FM (scrambled audio) baby-minder. After finding his E-mail address on QRZ.COM I decided to send him this SWL report.

Les Peters, N1SV

**33 Haynes Road
Townsend, Massachusetts 01469**

DATE	1/20/2001
TIME	+/- 00:13z
CALLSIGN	N1ABY
FREQUENCY	6m
MODE	SSB
UR RST	4X9
RIG	Fisher Price #71566 Baby minder
ANTENNA	Rubber duck
COMMENTS	<i>FB on your 6m signal during the January VHF contest. My 2 year old was especially impressed at how strong your signal was coming through her FM baby-minder. It must have been a short opening as you</i>

were only in for about 10 minutes.

PSE QSL ~~TNX~~

Board of Directors Meeting

The Board meeting was held February 8th. We worked on possible meeting programs for the upcoming meetings. The Treasurer gave his report which is printed elsewhere in the newsletter. Progress on Field Day plans and the preliminary permission to use the conservation land/apple orchard on Heald St in Pepperell.

We discussed the need to fill the Vice Presidents position and are looking for a volunteer.

From The ARRL Letter

INDIAN HAMS WORKING AROUND THE CLOCK IN QUAKE RELIEF

One week after a devastating earthquake struck the State of Gujarat in Western India, Amateur Radio continues to play a major role in the relief effort. Amateurs have established HF and VHF nets throughout Gujarat to aid in supplying food, clothing, medicine and shelter to the earthquake victims. More than 20,000 have perished, and the death count is expected to go much higher. The US and India do not have a third-party traffic agreement, and no plans have been announced at this point to seek a suspension of that arrangement to permit international third-party message traffic via Amateur Radio. Raj Kumar, VU2ZAP, in Bangalore has agreed to accept earthquake-related inquiries via e-mail from the US to vu2zap@yahoo.com. VU2ZAP says he is in touch with Amateur Radio teams and Amateur Radio Society of India officials and will do his best to assist those seeking information. He requests that all inquiries include all possible information, in particular telephone numbers. There's no guarantee of a reply, however. Amateurs from ARSI--the IARU member-society--and from the National Institute of Amateur Radio have been on the scene since January 27 providing communications support and information on victims. D.V.R.K. Murthy, VU2DVO, reports that amateurs are "working round the clock." Most tele-

phone service in the earthquake zone remains out. Traffic is being handled on 40 and 20-meter frequencies as well as on VHF. Indian amateurs have asked for cooperation in maintaining clear frequencies in the vicinity of 14.155 and 14.160 MHz as well as on various net frequencies between 14.250 and 14.270 MHz. B.L. Manohar, VU2UR, in Bangalore, says media reports about ham radio's presence in the quake zone have led to a flurry of calls from all over India requesting hams to radio the affected region for information on friends and loved ones. "Most of the Amateur Radio operators manning the stations in Gujarat do not know the local language or the streets and areas of the city where they have stations established," he said. "With no help in the form of local people to run about, all such messages are getting piled up." The epicenter of the 7.9 magnitude earthquake January 26 was reported to be 20 km northeast of Bhuj. Manohar said more than 250 aftershocks have been reported in the affected area. "All sorts of help is pouring in--equipment to move debris, gas cutting sets, concrete cutting saws, huge excavators, and many others," he said.

ARRL TAKES PART IN ITU STUDY OF UNWANTED EMISSIONS.

The ARRL Technical Relations Office in Washington participated in just-completed International Telecommunication Union studies of "unwanted emissions" in the radio spectrum. Unwanted emissions consist of out-of-band and spurious emissions. The ITU-Radiocommunication Sector has conducted two multi-year studies of unwanted emissions during the past decade. ARRL Technical Relations Manager Paul Rinaldo, W4RI, of the League's Washington office chaired a second-round task group with an international membership, drafting out-of-band emission specifications. ARRL Lab Supervisor Ed Hare, W1RFI, and his staff participated in task group meetings and provided technical support. Representatives of the International Amateur Radio Union also took part. "Had we not invested all those hours and travel, the amateur and amateur-satellite services probably would have some unwanted emission limits that would be more difficult to meet and make amateur equipment more costly," Rinaldo said. The panel's recommendations are being circulated to governments for final approval. Out-of-band emissions are those falling outside the necessary bandwidth of a signal and are the result of modulation. "Amateurs know them as key clicks and splatter," Rinaldo said. Out-of-band limits for amateur equipment were agreed upon at the final task group meeting last year, and Rinaldo says these are consistent with the idea of establishing a safety net--not stringent levels of emission. The ITU defines spurious

emissions as emissions beyond 250% of the necessary bandwidth, but the definition is still under debate. Spurious levels already are spelled out in the international Radio Regulations. ARRL Lab tests have shown that amateur gear could meet a standard of -50 dB relative to main signal for HF and -70 dB for VHF bands and above. A suite of ITU-R recommendations on unwanted emissions is being circulated and should be approved by mid-year. More work lies ahead for the ARRL Washington staff. Radio astronomers and earth-exploration passive services are not satisfied with present levels of unwanted emissions from satellites and are concerned about interference to their sensitive receivers. A new ITU task group is studying the issue and preparing information for presentation at WRC-03.

ARISS QSO WITH TEXAS SCHOOL GOES OFF WITHOUT A HITCH

Youngsters at George West Elementary School in George West, Texas, enjoyed the latest in a series of successful Amateur Radio on the International Space Station school contacts. "The contact this morning went without a hitch, with a full 10 minutes of QSO from horizon to horizon!" exulted Gene Chapline, K5YFL, the ARISS Amateur Radio coordinator for the school. "Signals were Q5 all the way." Chapline says 10 students asked two questions each of Space Station Alpha Commander William "Shep" Shepherd, KD5GSL, with time left over for what Chapline called "a civilized 'thank you, good luck and 73' to Shepherd" before contact was lost. Students asked several questions related to microgravity aboard the ISS, including how it might affect viruses, plant growth and even the dreams the crew might have. Teacher Keith Rogers said Shepherd's replies impressed him and his young charges. "His kind and caring answers really impacted my students," he said. "He will forever be their hero!" Assisting were members of the Boy Scout Troop 277 Amateur Radio Club. Thirteen-year-old Bradley Henicke, KD5FAL, served as the primary operator, and 16-year-old Alonzo Cuellar, KD5FAM, was the standby operator. "It was perfect," Chapline said of the QSO. A crowd of about 75 teachers and relatives filled the classroom. Two Scouts escorted interested parties outside during the contact to see the ISS pass overhead while listening to the QSO on a hand-held scanner. Reporters were on hand from several newspapers as well as local TV, and Boy's Life magazine has scheduled a story on the event. For more information on the ARISS program, visit the ARISS Web site, <http://ariss.gsfc.nasa.gov>. --Gene Chapline, K5YFL

FCC BEGINS WRC-2003 PREPARATIONS

In preparation for the next World Radiocommunication Conference in 2003, the FCC's WRC-03 Advisory Committee met for the first time January 30 at FCC Headquarters in Washington. The FCC International Bureau's Planning and Negotiations Division has primary responsibility for guiding the FCC's WRC-03 efforts. A WRC-03 Web site has been set up at <http://www.fcc.gov/wrc-03> along with a mailbox for the committee, wrc03@fcc.gov. The Advisory Committee provides an opportunity for interests outside the federal government to develop and debate US draft proposals for possible adoption by the FCC, the National Telecommunications and Information Administration and the US Department of State. WRC-03 will deal with wide-ranging telecommunications issues, including IMT-2000 or so-called "third-generation" or "3G" cellular telephone devices, fixed services, mobile and fixed-satellite issues, HF broadcasting, satellite broadcasting, and regulatory matters. Amateur Radio-related issues on the WRC-03 agenda include the revision of Article S25 of the international Radio Regulations--the basic rules for the Amateur and Amateur-Satellite services. This includes the issue of whether to retain the treaty requirement to demonstrate Morse code proficiency for access to amateur bands below 30 MHz. WRC-03 also will review the terms and definitions of Article S1 to the extent required as a consequence of any changes made in Article S25. Among other things, Article S1 contains the definition of the Amateur and Amateur-Satellite services. In addition, WRC-03 participants are expected to review the provisions of Article S19 concerning the formation of call signs in the amateur services, in order to provide flexibility for administrations. WRC-03 will consider realignment of amateur and broadcasting bands around 7 MHz on a worldwide basis. The long-standing problem was identified in a WARC-92 recommendation that called for realignment at a future conference. The International Amateur Radio Union is committed to supporting a "harmonized" worldwide 300-kHz allocation in the vicinity of 7 MHz. An examination of the adequacy of HF broadcasting allocations from approximately 4 to 10 MHz also is on the agenda. Conference participants also will consider abandoning an earlier commitment for HF broadcasters to shift from double to single-sideband AM modulation and move instead to digital modulation. Among other issues that could affect Amateur Radio, WRC-03 will consider allocations for non-geostationary, non-voice mobile satellites (the so-called "Little LEOS") below 1 GHz, as well as spectrum above 1 GHz for feeder links. In addition, the conference will consider Earth Exploration-Satellite Service in the 420 to 470-MHz band. ARRL Technical Relations Manager Paul Rinaldo, W4RI, says that most of the issues of concern to amateurs have been as

signed to the WRC-03 Advisory Committee's Informal Working Group 6. ARRL Technical Relations Specialist Walt Ireland, WB7CSL, has been appointed as vice chairman of IWG-6. Rinaldo says Ireland's presence "will be key in seeing that amateur issues have fair treatment." He said Ireland's experience with the Voice of America also will be helpful in dealing with HF broadcasting issues being considered by the panel. Expected to take place in Venezuela, WRC-03 is scheduled to begin June 9, 2003, and continue until July 4, 2003.

W8HKY: HAMMING IT UP AT 100

ARRL member Michael J. Anuta, W8HKY, of Marinette, Wisconsin, turns 100 years old on Sunday, February 4. In anticipation of the momentous occasion, the ARRL has sent special greetings to Anuta, who is among the very oldest League members. "We at the League are so happy that you are one of our senior members and still an active and vibrant Amateur Radio operator," wrote ARRL Executive Vice President David Sumner, K1ZZ. On behalf of the ARRL Board of Directors, Sumner congratulated Anuta on attaining centenarian status. First licensed as WN8HKY in 1952, Anuta upgraded and remained active through the 1970s. When he moved into a retirement apartment, he sold his equipment but, fortunately, kept his General license current. Last year, Mike Anuta read a newspaper account of the 50th anniversary of the Marinette and Menominee Amateur Radio Club, and he decided to rejoin. He bought a 2-meter hand-held radio and now regularly checks into the club's Sunday night 2-meter net--usually the first to do so, according to Ed Engleman, KG8CX. Anuta also rejoined the ARRL. Although into middle age when he became licensed, Anuta remembers his first encounter with the radio hobby during World War I, when, as a teenager, he erected an "aerial" on the roof of the family's house in Milwaukee and listened to spark gap signals. He later worked as a railroad telegrapher. Anuta spent 67 years as an attorney. He and his wife, Marianne, recently celebrated their 79th wedding anniversary.--Jim Callow, K8IR; Badger State Smoke Signals

W4DR IS 2000 CLINTON B. DESOTO CUP WINNER

Bob Eshleman, W4DR, of Midlothian, Virginia, is the winner of the Clinton B. DeSoto Cup for 2000. The DeSoto Cup--a new ARRL award being presented for the first time--recognizes the station that's on top of the DXCC Challenge List as of September 30 each year.

The Cup will be presented in May at Dayton's "DX Dinner" sponsored by the Southwest Ohio DX Association. Eshleman is practically a lifelong DXer and DXpeditioner. First licensed in 1950 as W4QCW at age 14, Eshleman says his first station was a crystal-controlled 6L6 oscillator on 80 meters, a folded dipole made of 300-ohm TV twin lead and a BC-454 military surplus receiver. He subsequently graduated to grander gear and much more effective antennas. By 1954, he had DXCC in the bag (#2037). After completing dental school and starting a family, he soon achieved DXCC Honor Roll and the first-ever Five Band DXCC, among other DXCC honors, including the first single-band DXCC awards on 40 and 10 meters. He credits the 119 countries he worked in the 1980s and 1990s on 6 meters as being "probably decisive in winning the first DeSoto Cup." Now retired as a full-time dental school faculty member, he's used the intervening years "to catch up on the WARC bands" he'd neglected while chasing DX on 6 meters. He and his wife Rosalie, N4CFL, are headed for a month's trip to Syria and Egypt, during which they will be operators as YK9A. His sons Curtis and Lee both are licensed, KK4HJ and WA4CSG respectively.

CLUB 2000 ACHIEVEMENT AWARDS GO TO FOUR OUTSTANDING CLUBS!

When the ARRL Volunteer Resources Committee met recently in Texas, they had a 10-gallon size job in front of them--to review the ARRL Headquarters work party's recommendations of four clubs to receive the first-ever Club Achievement Awards. The winners were the 10-70 Repeater Association of Wanaque, New Jersey, in the Over 100 Members category; the Big Rapids Area Amateur Radio Club, Paris, Michigan, in the Under 100/More than 25 Members category; Peninsula Electronic Amateur Radio Society, Hampton, Virginia, in the 25 or Fewer Member category, and Central Bible College Amateur Radio Club, Springfield, Missouri, in the School Club category. Throughout last year, clubs from all over the US visited the ARRL Web site to learn about the program and start the process of documenting all facets of their club's special achievements. The new incentive awards were aimed at recognizing clubs that are growing, thriving, and developing positive community relations. Participation in emergency and public service activities, public relations and ham radio recruitment, building ARRL membership, volunteer examination participation, outreach to the disabled, educational and instructional innovations, and Field Organization volunteerism were important criteria. A \$1000 award for the Top Achiever Club in each category was ARRL's way of saying, "Great job!" Awards for this program were funded by The ARRL Foundation

Inc. Submittals arrived from more than 40 clubs. The ARRL hopes to offer this achievement incentive for clubs again in two years. Honorable Mention clubs will be posted later on the ARRL Web site, <http://www.arrl.org>. --Mary Lau, N1VH

ARRL BOARD APPROVES DUES INCREASE, ALTERS MORSE POSITION

Meeting in Irving, Texas, January 19 and 20, the ARRL Board of Directors voted to increase membership dues from \$34 to \$39 annually for full members younger than 65, and from \$28 to \$34 for full members 65 and older. The dues hike goes into effect July 1, 2001. The last ARRL dues increase was in July 1997.

The dues increase resulted from a need to fund initiatives to expand the League's advocacy activities on behalf of Amateur Radio--including the defense of amateur spectrum--and to enhance ARRL Headquarters' abilities to serve members during a period of projected deficits. The Board okayed a \$1 greater increase for seniors in an effort to narrow the dues gap, as more and more ARRL members fall into the senior category.

At the same time, the Board approved the hiring of development and sales and marketing professionals on the Headquarters staff as part of an overall plan to augment revenues.

"The ARRL carries out a lot of activities that no longer can be fully funded by dues or publication sales revenues," ARRL Executive Vice President David Sumner, K1ZZ, explained. While voluntary contributions towards Amateur Radio advocacy are helping greatly, "we need to professionalize these activities if we are going to sustain them," he said.

Sumner said putting more emphasis on voluntary contributions was "the only route to financial security" for the ARRL. Among ARRL programs that will rely heavily on voluntary contributions is "The Big Project" educational initiative proposed last year by ARRL President Jim Haynie, W5JBP.

The Board also revised its position on whether Morse code proficiency should continue to be an international licensing requirement for operation below 30 MHz. The Board approved a resolution that "recognizes and accepts" that the Morse requirement likely will be dropped from Article S25 of the international Radio Regulations at the 2003 World Radiocommunication Conference. But the Board held the line on retaining a domestic Morse requirement, saying that each country

should be allowed to determine for itself whether it wants to have a Morse requirement.

The Board declared that Morse code deserves continued support as "an important operating mode" as well as in terms of spectrum and "should be retained as a testing element in the US." The resolution also calls on ARRL

Headquarters staff to "develop a program designed to promote the use of Morse." The resolution supersedes all previous Board policy statements regarding Morse code and Article S25.

The Board also established a committee to solicit membership input to update the ARRL's position on refarming the HF Novice bands "in light of the 1999 FCC license restructuring Report and Order." The five-member panel will be named by President Haynie. It will report to the board in one year.

Attending their first ARRL Board meeting were new Rocky Mountain Vice Director Director Warren "Rev" Morton, WS7W, and new Central Division Director Dick Isely, W9GIG. Returning as Hudson Division Vice Director was former ARRL First Vice President Steve Mendelsohn, W2ML.

ARRL BOARD NAMES YEAR 2000 HUMANITARIAN, LEONARD AWARD WINNERS

The Hurricane Watch Net and net manager Jerry Herman, N3BDW, have been named to receive the 2000 ARRL International Humanitarian Award. The award is dedicated to those amateurs who, through Amateur Radio, are devoted to promoting human welfare.

The Hurricane Watch Net (<http://www.hwn.org>) activates on 14.325 MHz whenever a hurricane is within 300 miles of landfall in the western Atlantic, the Caribbean or the eastern Pacific. Working with the operators of W4EHW at the National Hurricane Center in Miami, Hurricane Watch Net participants relay weather data from isolated islands, marine assets and other areas that are not part of the Center's routine communication network.

This allows the Center's forecasters to more accurately prepare advisories and predict the movements and size of storms. Since 1965, Amateur Radio participants on the HWN have provided critically needed hurricane information. In addition to real-time weather data reports--typically wind speed, wind direction and barometric pressure--the net relays damage reports that can aid forecasters in evaluating a storm's intensity.

The Net also relays important weather advisories and information back to the affected areas, broadcasting storm advisories to remote islands, mariners, and others. On many occasions, this information is only available via the Hurricane Watch Net.

Operators at W4EHW work with the HWN to provide hurricane weather communication for the Caribbean, the Gulf Coast and the Atlantic coastal states as well as emergency communications for the Center and local agencies.

The winner of the 2000 Bill Leonard, W2SKE, Professional Media Award is Marjorie Wertz, a staff writer for the Standard Observer, a twice-weekly insert in the daily Tribune-Review newspaper in Greensburg, Pennsylvania.

This award goes each year to a professional journalist--or group--for outstanding coverage of Amateur Radio in TV, radio, print or multimedia. The winner receives an engraved plaque and a check for \$500.

Wertz was cited for her entry, "There's more to this hobby than meets the eye," which appeared in the September 2, 2000, edition of the Standard Observer. "For the most part, they are almost invisible," Wertz's article begins. "But, in an emergency, this network of ordinary folks springs into action."

Her article focuses on how hams in her community are involved in both public service and recreational activities. It also touches on the requirements to get a ham ticket and mentions the role of the ARRL and the volunteer examination program.

Wertz told ARRL that she got the idea to do the story after seeing the award program publicized in her newspaper. She consulted the ARRL Web site and located two hams in her area to interview for her feature. Members of ARRL's Public Relations Committee judged the 13 nominations received.

A broadcast journalist, Bill Leonard died in 1994. He was inducted into the Broadcasting and Cable Hall of Fame in 1996.

WHITE HOUSE NAMES MICHAEL POWELL TO CHAIR FCC

As expected, President George W. Bush this week named Michael K. Powell to become FCC chairman. Powell, a Republican and an FCC member since 1997, is the son of Secretary of State Gen. Colin Powell.

Since Powell already sits on the FCC, the nomination is not subject to Senate confirmation.

"I am deeply honored and privileged to have received President Bush's designation to be Chairman of the Federal Communications Commission," Powell said in a statement.

Powell succeeds William Kennard, who stepped down as the head of the FCC on January 19. A Democrat and a Clinton appointee, Kennard was the first African-American to serve as FCC chairman.

Earlier this month, Powell voted with the majority to approve the AOL-Time Warner mega-merger, which he called "unquestionably one of the most significant mergers in history" and said he was pleased to support it.

FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth says Powell has a solid relationship with the Enforcement Bureau. "I'm delighted," Hollingsworth said of Powell's appointment. "He's a very sharp guy."

Powell came to the FCC from the Department of Justice, where he served as the chief of staff of the Antitrust Division. He has appointed FCC veteran and former Walt Disney Company vice president Marsha J. MacBride as the agency's Chief of Staff.

The other members of the FCC are Susan Ness, Harold W. Furchtgott-Roth, and Gloria Tristani. Among names mentioned as possible Bush appointees to the FCC is that of Texas Public Utilities Commission Chairman Pat Wood.

PRB-1 BILL INTRODUCED IN INDIANA

Indiana lawmakers will deal with an Amateur Radio antenna bill in the upcoming 112th General Assembly session. A bill has been introduced to incorporate the limited federal preemption known as PRB-1 into Indiana state law.

Senate Bill 331 would prohibit Indiana municipalities or counties from enacting ordinances, resolutions or orders that do not comply with PRB-1.

The proposed law also seeks to prohibit localities from "restricting Amateur Radio antennas to less than 75 feet above ground level. It would not prohibit communities from taking action to "protect or preserve a historic or an architectural district. "In general, the PRB-1 FCC policy requires that local regulations involving the

placement, screening or height of antennas based on health, safety or aesthetic considerations "must be crafted to reasonably accommodate amateur communications" and that such local regulations "represent the minimum practicable regulation to accomplish the local authority's legitimate purpose."

Senators Rose Ann Antich and Marvin D. Riegsecker are cosponsors of the proposed legislation. ARRL member Jerry Suhrheinrich, WD9EDE (wd9ede@arrl.net), has been promoting the bill from within the amateur community.

Ten states have incorporated the essence of PRB-1 into their laws. So far, only three states--Oregon, Virginia, and Wyoming--include minimum regulatory height limits in their Amateur Radio antenna laws based on PRB-1. A PRB-1 bill recently introduced in the State of Washington seeks a 70 foot minimum (see Hearing set for Washington PRB-1 expansion bill, below).

RECIPROCAL LICENSING INFORMATION IS ON THE WEB

US amateurs planning to vacation in a foreign country this year will find it easier to obtain permission to operate there. Amateur Radio operation from several countries is now a reasonable goal--even for short trips.

The European Conference of Postal and Telecommunications Administration--or CEPT--Amateur Radio licensing system requires that you carry only three documents. You'll need a copy of FCC Public Notice DA 99-2344 (available at <http://www.arrl.org/FandES/field/regulations/io/cept-ral.pdf>), proof of US citizenship, and your FCC-issued Amateur Radio license.

The CEPT instant reciprocal privileges apply only for travel by US hams to those European countries that recognize US participation in the CEPT protocols. As a reciprocal system, hams from CEPT-participating European nations have similar privileges while touring the US and Canada. For a list of countries that recognize US participation in the CEPT reciprocal system, visit the CEPT countries page on ARRLWeb, <http://www.arrl.org/FandES/field/regulations/io/cept-list.html>.

The International Amateur Radio Permit is another special licensing arrangement. It applies to certain countries in the Americas, including Argentina, Brazil, Canada, Peru, US, Uruguay, and Venezuela, who are

signatories of the CITEL Amateur Convention. US amateurs may use the IARP to operate only in those countries. An IARP is not a license, but it certifies the existence of a license. The CITEL Convention provides that IARPs may be issued by a country's government or by its International Amateur Radio Union member-society, and the ARRL is the sponsoring society in the US.

To obtain an IARP or for more information on operating from a CEPT or CITEL (IARP) country, visit the ARRL International Operating page, <http://www.arrl.org/FandES/field/regulations/io/>.

Obtaining a license to operate in a country that is neither a CEPT nor a CITEL Amateur Convention signatory or participant requires more paperwork and some advance planning. Delays of a month or longer are common. Licensing and operating requirements for all other countries are available on the "Operating Permit Information by Country" page on ARRLWeb, <http://www.arrl.org/FandES/field/regulations/io/recipe-country.html>.

Another source for reciprocal licensing information is the "Information on licensing abroad for radio amateurs" Web site of Veikko "Veke" Komppa, OH2MCN, <http://www.qsl.net/oh2mcn/license.htm>. OH2MCN and the ARRL share information to assure that both sites are as accurate as possible and that the information is suitable for their respective audiences.

\$February Treasurer Report\$

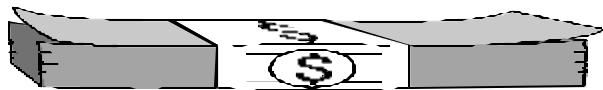
Income for January was \$26 from the book drawing, \$30 from membership renewal, and \$36 from the Fox-Finder project. Also, \$20.36 in bank interest was credited in January.

Expenses were \$13.60 for newsletter postage and \$20 for the Post Office box annual renewal, leaving a net income of \$78.76.

Fund balances as of February 8 are:

General Fund: \$891.93
Community Fund: \$1192.55

73,-Ralph KD1SM



2000-2001 Fleamarkets

17 Feb Marlborough Algonquin ARC Flea Market
@ Marlborough Middle School Ann KA1PON
508-481-4988

18 Feb Westford MA GBARC Radio32 Antique
@Regency @8 Tammy ARC 978 371 0512 F+

24 Feb Milton VT NVT WinterHamfest @8 @HS Rt7
Mitch W1SJ 802 879 6589

17 Mar Eastern Connecticut ARA
Pomfret CT. kelli@arrl.net

25 March Framingham MA FARA @HS Bev N1LOO
508 626 2012

15 April Flea at MIT Nick 617 253 3776

28 April Nashua NH NE Antique RC @ Res Ctr Church
Joe 617 923 2665

6 May Yonkers NY Metro70 @LincolnHS Carl N2VQP
914 969 7888

19 May Forestdale RI RIFMRS @VFW rt146 8A
flea+auct Rick K1KYI 401 725 7507

20 May Flea at MIT Nick 617 253 3776

26 May Vernon CT NARC@TollandAgC I84x67 Wayne
860 487 1921

1-3 June Rochester NY Atlantic Conv Harold K2HC
716 424 7184

10 June Bethpage NY LIMARC Eddie KC2ACY 516
520 9311

17 June Flea at MIT Nick 617 253 3776



Nashoba Valley Amateur Radio Club

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Bob Reif 1999
Den Connors 2000

Meetings are held on the 3rd Thursday of the month -
7:30 p.m. - Pepperell Community Ctr. Talk-in 146.490
simplex

442.90 + 100Hz Repeater
53.890 - 100Hz Repeater

This newsletter is published monthly. Submissions,
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