



The Shamrock

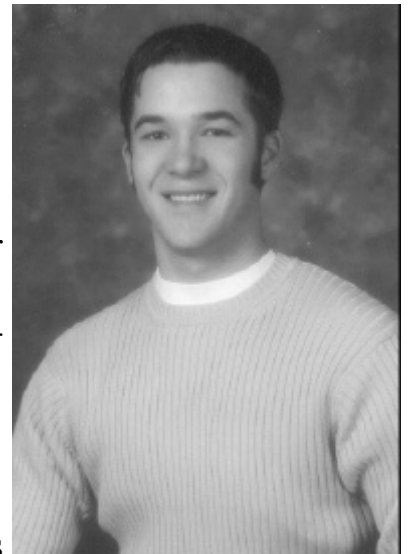
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Volume 19, No. 4

June 2001

MARC college scholarship awarded

The Midland Amateur Radio Club is pleased to announce the recipient of this year's M.A.R.C. Scholarship. This year's winner was James R. Shene. James is a 2001 graduate of Midland High. He is in the top 10% of his class and will be attending Texas A&M University. James will be majoring in biology. The M.A.R.C. Scholarship is a competitive scholarship. Any graduating senior attending any of the high schools in Midland County, who has been accepted by a College, University or Vocational school is eligible to apply. Applications are turned into their senior counselor who attaches a copy of the student's transcript and forwards the applications to the Midland Amateur Radio Club. All applicants are then interviewed by the Scholarship committee, consisting of current and retired educators, and a single recipient is chosen. This is the 5th year that this scholarship has been awarded.



James Shene

Thoughts and plans concerning Field Day

—John Wilder, WA5PFJ, Field Day Coordinator

I was reading a letter to the Editor in a Ham Radio Publication shortly before Dwayne, W5ZOX, called to ask for help with Field Day. The Editor agreed with the person writing the letter that it was not his responsibility to teach and help the young ham entering the hobby. I truly disagree with that statement! I agreed to help with the Field Day

effort this year.

I would like to appeal to all the more experienced amateurs in the Midland area to "step up and help out". I read complaints and even hear some on the HF frequencies of the new hams concerning how much they don't know. It is our responsibility and duty to teach the new hams the "ropes". None of us could have made it to the point we are without some help. I am a firm believer that MARC is the best

radio club that I have ever been a member of. I don't want to see the club suffer due to a lack of effort. Hopefully, all of you will receive this newsletter prior to June 9. We need to have a **Field Day Party at the Club house on June 9, 2001, starting at 10:30 A.M.** The current objectives for this Saturday Party is to inventory tower parts and antenna parts. We need to know what is missing and what can be

See Thoughts page 2

MARC Meetings

Clubhouse - 7:30 P.M.

June 11, 2001

Field Day by John Wilder, WA5PFJ

MARC Happenings

6/9 - Field Day Work Party.
10:30 a.m.

6/23-24 - Field Day

6/23 - Dinner at Club House
at approximately 7:00 PM

**A Message from
President, Joe
Coldewey ,
KK5ZG**



Where has the year gone? Here it is nearly June, and the year is nearly half over. Here is a little news about what some club members have been doing.

First there was the Abilene Hamfest May 5th & 6th. Nine members of the Midland club attended. They were Sterling Talley, WB5G, Mary Lou Talley, N5UWQ, Ken Williams, K5JOG, Joe Coldewey, KK5ZG, Bill Bentley, N5POB, Hurshel Pruitt, WB5MEX, Mitch Martin, WA5ZAP, and Ray Shultz, N5SR, now living in Early, Texas. All reported, that they had a good time and enjoyed lots of visiting.

This past Saturday, we had a work day at the club house to do a little antenna work and fertilize the yard. It was noted that the Boy Scouts are nearly finished with the painting and it looks real good. If you see Mark Smith or any of the Boy Scouts, tell them how much the scouts are appreciated. Those helping with the work on Saturday were Jim Reid, K5KUX, Sterling Talley, WB5G, Joe Coldewey, KK5ZG, Mark Cranford, N5XXD, Sara Cranford, N5ZMP, and their "pretty" little daughter, Jim Hearn, N5JHX, John Peterson, NX5E, Dwayne Fox, W5ZOX, Larry Nix, N5TQU, Ken Williams, K5JOG, Robert Boyd, KC5ZJO, and Allen Moore, N5SVM, who did the tower work. Thanks again to those that brought fertilizer spreaders.

The last meeting was on May the 28th. There was a short business meeting, and afterward, we will have an ice cream party. Remember Field Day is coming up real fast, so be thinking about what you can do to make it a good one. If you have any ideas, get in touch with John Wilder, WA5PFJ, or

Dwayne Fox, W5ZPX. The date for field day is June 23rd and 24th. Make plans now to be a part of it. Mark the date on your calendar. As you know, during the months of June, July, and August, we will have only one meeting per month. It will be on the 2nd Monday at 7:30 p. m. This is your club; join in the fun.

73's Joe, KK5ZG

Thoughts from page 1

used for the Field Day effort. Once that has been accomplished, we can lay out how the antennas will be installed to obtain the necessary separation to eliminate the interference. Remember the interference problems that we experienced last year? We need to capitalize on lessons learned and do a better job of laying out the Field Day Area.

The last Club Meeting was held on May 28, 2001; to my knowledge, only 3 or 4 people volunteered to work Field Day. We need to have at least two more rigs running for a club such as ours. I was asked about putting up temporary antennas so we could run in the A or B category. To be quite honest about it with no more volunteers than we received, it will be difficult to man one station for the twenty-four hour period much less the effort required to put up temporary antennas. I also have commitments to handle between now and Field Day. However, if everyone would do a little, we would make a tremendous dent in the work required to put together a "first class" Field Day effort.

Therefore, since I am responsible for the program to be presented on June 11, 2001, the program will be devoted to Field Day. I think at that point we can all agree on the appropriate direction to be taken from that point forward concerning

this year's effort.

I want to have a Field Day just as much as anyone. Some of the best times that I have had with my son, WA5PFI, was working Field Day during the night hours when the rest of the group was sleeping; so, Fathers think about some good quality time with your son. I truly will miss having my son at Field Day this year due to his college schedule.

I will have the updated volunteer list ready for handing out and I would ask you to be ready to jump in and let's all have a great time at Field Day. Please remember there are no problems that we can not solve!

More information on Field Day

– By Dwayne T. Fox, W5ZOX, Field Day Co-Coordinator

Hello everyone. As you know, Field Day is just around the corner, and your help is needed for the Field Day dinner. Please bring side dishes such as potato salad, beans, deSserts, chips and dips, and other home-made dishes. Doug Harwood, K5MTX, will do the cooking of the meat this year. You can, also, bring drinks like tea or colas. The dinner will be Saturday night, June 23rd, at the club house. Please have food at Club House by 6:30 and dinner will be at 7:00 p.m. Your Field Day Coordinator, is John Wilder, WA5PFJ. Your Co-Coordinator is Dwayne Fox, W5ZOX. There are some great plans for this year's Field Day. I hope to see everyone taking part this year. Field Day begins at 12:00 noon on Saturday, June 23 and will end at 12:00 noon on Sunday, June 24. The event will be held at the club house. You bring a tent, campers, and travel trailers. Also, bring plenty of water, as the temperatures will be hot. If you have any question concerning Field Day, please call John Wilder,

See More page 4

Message from Jerry Hearn, N5JHX, will be the control operator for the 20 meter SSB station during Field Day

I plan on working the SSB portion of the band until it dies (if it dies)!!! We will be using my Rig - a Yaesu FT-920 and either a 2 element tri-band beam or a Cushcraft R6000 HF vertical. Any input on what you think would be the best is more than welcome. I plan on having a G5RV for backup, if we should have to go to the 40 meter band.

Now that I have given you a lot of information that you really don't care about, I need to fill some slots for the operator's list. I will also be looking for loggers. I hope we are computer logging! If you are interested, please send an e-mail stating the time you would be available to work to <n5jhx@aol.com.> Or call me at 915-520-7742. I will confirm with you the times I have available before I put you down.

I am looking forward to working the contest with you all and having a fun and great fellowship.

Thank you...

73 de N5JHX

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Office E-mail Add.:

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Kachina exits the amateur radio, HF market

Published by permission of The ARRL Letter, Vol. 20, No. 21, May 25, 2001

Kachina--which made a big splash at the 1997 Dayton Hamvention when it introduced its then-revolutionary 505DSP PC-controlled Amateur Radio transceiver--has quit the ham radio market. The Arizona manufacturer discontinued production and marketing of the 505DSP, its only ham product, and all other HF radio products and

See Kachina next column

Writers wanted to write articles for ARRL Web

Published by permission of The ARRL Letter, Vol. 20, No. 22, June 1, 2001

Writers wanted! We're looking for a few good stories--well, lots of them, actually. ARRL Web seeks your Amateur Radio-related feature stories for posting on our site. You don't have to be a pro--you just have to have something to say that others will want to read. We'll correct your spelling and grammar errors and pay you to boot. Submittals should be organized and coherent and deal with a topic that others in the amateur community will want to read. Good photographs are a real plus, and we'll consider some submittals for use in QST. Articles on everything from antennas to zeners are welcome in electronic form, with text and images e-mailed as separate files. Submit articles for consideration to Rick Lindquist, N1RL, n1rl@arrl.org.

Kachina from 1st column

accessories, effective May 24.

Kachina Vice President Cameron Earnshaw blamed "the slowdown in Amateur Radio in general, and HF radio in particular" for the company's decision to exit the HF market. "Any radio selling for over \$1000 is a pretty hard sell these days," he said. The Kachina 505DSP, the first amateur transceiver designed solely for control via a personal computer, has retailed in the vicinity of \$2000.

Support your club. Enjoy the meetings, club activities, and pay your dues.
Thanks!

ULS use necessary to renew and change Amateur License

Published by permission of The ARRL Letter, Vol. 20, No. 21, May 25, 2001

FCC reiterates license renewal and modification basics: The FCC took advantage of the Dayton Hamvention FCC forum to remind Amateur Service licensees that license renewal and modification now is done via the Universal Licensing System--or ULS. The ULS is accessible via the FCC ULS Web site, <http://www.fcc.gov/wtb/uls>. Bill Cross, W3TN, of the FCC's Wireless Telecommunications Bureau noted that Amateur Radio licenses may not be renewed any sooner than 90 days prior to license expiration. When only changing an address, he said, licensees should choose the "Administrative Update" (AU) option. When renewing only, he said, choose "Renewal Only" (RO). To change an address while renewing your license within the 90-day window, select the "Renewal/Modification" option. An application requesting renewal that's outside the 90-day window will be dismissed, Cross said. Modifications no longer automatically result in a new ten-year license term. Call sign changes are not made unless requested by the licensee. Cross said amateur applicants needing assistance or who believe they have made an error on an application they've filed should contact the ULS help desk, ulshelp@fcc.gov.

MARC Cabinet Meeting

Date: 1st Wednesday each month

Time: 7:00 p.m.

Where: Carrows Restaurant ,
2201 W. Wall St. Street

Jared's, KD5KZR, Eagle Scout Project

—By Keith Wilson, KD5IRL

The Eagle Scout project turned out great! As a part of Jared's eagle scout project he built a fully self contained, (semi) portable 2 meter radio station. (Semi-portable as it requires two scouts to carry it comfortably.) It consisted of a Kenwood TM-2550A 2 meter Radio, 26 amp sealed lead acid battery, float battery charger, 10 amp ac power supply, voltage meter and 4 inch fan with various switches. Audio is handled by a Radio Shack communications speaker with the back removed and in-line is a headset 1/8 phone connector for those times when the communications need to be private or the ambient noise level is too high. We also built a J-pole tv twin-lead antenna and included it. The original idea came from the ARES boom box. The web site link is <http://members.aol.com/wx2nj/aresbox.html> where you can find the schematic and pictures of the portable station built by Bob Murdock, WX2NJ. When we bought the radio and started trying to mount the donated battery together, we determined that it was too tall and would not fit in anything except the Sears box. The box is strong enough to stand on and can be used as a stool. The

float battery charger is 1.5 amps and will charge the sealed battery with no



Jared, JD5JZRM, & his Eagle Scout Project.

troubles. It is designed to float the battery, i.e. charge the battery and then monitor the battery voltage until it drops below 12 volts when it turns itself on and charge some more. Hopefully, it will preserve the life of the battery. It took

approximately 12 hours for us to complete the radio portion of the project. The cost was approximately \$200.00. We estimated the cost of the radio and box project to be about \$450 to \$500 if all new items were put into the station. The portable station was turned over to the American Red Cross on May 22, 2001. They were happy to have the station and the comp! leted thunder buckets. Our thanks to everyone who gave Jared encouragement, ideas and financial support! We could not have done the project without your help.

More from page 2

WA5PFJ, 689-4914, or Dwayne Fox, W5ZOX, 699-4574 .

All hams are invited to participate in the MARC festivities for Field Day on June 23-24. Come join in the visiting, operating, setting up, and the food. The festivities will be at the club house.

Description of Field Day

—Excerpts from John Peterson's article

Hundreds Of Area Amateur Radio Operators will work around the clock the last weekend of June to set up field radio communication stations, get on the air, and contact thousands of other operators in the U.S. and Canada as part of participation in the ARRL's Field Day

According to Joe Coldewey, President of Midland Amateur Radio Club, Field Day is the annual Shakedown Run for the ARRL National Field Organization.

Field Day is a way for hams to get outdoors and have fun under difficult conditions, Joe says. But, it is also a chance to fine tune emergency communications skills. We use generators and battery power, and we set up antennas in

See Peterson page 5

ARES and Skywarn hold joint meeting

The first joint meeting of ARES and Skywarn was held at the Apache Oil Building in Andrews Texas on Saturday May 12, 2001, 10 persons attended Including Pat Vespers of the National Weather Service and Tom Teferteller of Channel 9.

Topics of discussion included Net Control Training, Procedural training for field spotters, Chain of command, staged Alerting, Mapping and grid system, frequency management, and security. Also discussed was providing operators, and equipment for channel 9.

It was decided that the call-up sheets, log sheets and other pertinent items would be up-graded. Dwayne Fox, W5ZOX, was appointed to work with the NWS to accomplish these. The Civil Air Patrol grid system was adopted as the standard for Spotters and That Microsoft Road and trip mapping would be used. This particular mapping program was recently updated with the current 36 county information as Provided to Microsoft by News West 9. NCS training was discussed. but no formal time was set pending the development of procedures for NCS as well as the development of a suitable training manual itself.

A chain of command was established for the day to day operation of Skywarn. With Gary Peek representing Odessa and Dwayne Fox, Midland. Also the establishment of a Three Tear alerting system, which would involve a morning briefing for the two representatives as regards the days possible weather. They, in turn would notify the operators of the requirements for the day in an attempt to insure that personnel would be available before an actual situation occurs.

See Joint Meeting, page 5

Peterson from page 4

the field. The idea is to put a self-sufficient, working communications station together quickly and begin making contacts.

The ARRL Field Organization has been effective in establishing emergency communications nets during floods, fires, earthquakes and other major disasters. Members of formal organizations such as the Radio Amateur Emergency Service (ARES) and the Radio Amateur Communications Emergency Service (RACES) regularly participate. The league estimates that more than 35,000 hams participate in Field Day every year.

Why: Participation in the American Radio Relay Leagues Field Day, Amateur Radio operators Practice communications skills using generators and battery powered equipment. Special awards are given for alternative power such as solar, wind and battery power. Field Day is a competition as well as a trial run for emergency communications skills used during disaster situations. Photo opportunities, interviews, activities of participants in important national Amateur Radio even. See all Amateur Radio communication modes in action, including voice, code, packet radio, teletype, and Satellite!

Astronaut thrills Missouri, Washington students via Amateur Radio

Published by permission of The ARRL Letter, Vol. 20, No. 21, May 25, 2001

While he doesn't yet hold a ham ticket, astronaut Jim Voss has been making a lot of friends on Earth via the Amateur Radio on the International Space Station (ARISS) program. Voss on May 23 completed an on-air conversation with youngsters at the Moran

See Astronaut next column

Astronaut from column 1

Prairie Elementary School in Spokane, Washington. The previous week, Voss chatted with students at Parkway Central High School in Chesterfield, Missouri.

Youngsters at the Washington school asked questions ranging from bone density to exercising in space, radiation and solar flares.

"I think your brain does work a little bit differently up here," Voss said in response to a question from one Moran Prairie youngster. On the ISS, Voss said, "you're floating around, and your mind is having to do a lot of things that aren't natural to interpret the way you see things upside down." He said the crew members "have to be a little bit more careful up here."

Voss told the pupils that he enjoys space walks and was looking forward to an excursion outside the ISS in a couple of weeks could prove more challenging than usual. Voss said he even enjoys microgravity in his free time. "Sometimes I do things with the zero gravity, floating around and doing flips and somersaults--it's like playing in space."

Voss told students at both schools that the astronauts are enjoying "quite a variety" of foods on the space station's menu. He also said he misses his family but told the Missouri students that he felt "lucky and blessed" to be aboard the ISS and that he enjoyed the inspiring view. "The earth is quite a gorgeous place, and we can't take pictures that are good enough to make it look as good as it really is," he told the Parkway Central students May 17.

The high schoolers also wanted to know about such issues as sleeping in space, what the crew does if someone gets sick, and what it takes to become an astronaut and ISS crew member. Both contacts were

See Astronaut column 3

Kentucky amateur dies installing antenna

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A Kentucky Amateur Radio Emergency Service member died May 20 while installing a 2-meter antenna he'd just bought at the Dayton Hamvention. According to ARRL Kentucky Section Emergency Coordinator Ron Dodson, KA4MAP, Ronald L. Oller, KG4JVT, of Irvington, died when the ground-plane antenna he was installing fell onto the overhead electrical service line to his house. He had been a ham for about eight months.

Editor's Note: This is an important lesson for each and every Amateur Radio Operator.

Joint Meeting from page 4

Discussions also centered around equipment needs at the NWS as well as Channel 9. ARES agreed to assist Channel 9 in establishing a station at their studios. for the express purpose of connecting them directly with the NWS and Spotters in the field.

A discussion of APRS and ATV and their possible role in Skywarn was also discussed. No direct decisions were made regarding at this time.

Channel 9 had their news crew there and spots were aired on both the 6 and 10 o'clock news.

The meeting concluded just after 12:00 P.M.

Astronaut from column 2

made directly, via 2 meters, and Voss used the NA1SS call sign for the QSOs.

Voss, astronaut Susan Helms, KC7NHZ, and Russian crew commander Yuri Usachev, RW3FU, are approximately halfway through their Expedition Two tour of duty aboard the ISS. They will return to Earth in July.

NETS

Big Bend Emergency Net meets at 8:30 A.M. (Central) Every Sunday Morning. The frequency is 3922.

The West Texas Connection Sunday Morning Net meets at 0900 (Central) every Sunday morning. The net is informal and open to all. Check in for local ham news and events. Midland frequency is 147.220, + offset, 88.5 tone or 444.100 + offset, 162.2 tone. Mike Smith, W5MLS, is Net Control.

The Southwest Lynx System Net meets at 12:00 noon, Sunday. The net meets at 145.130, - offset, 88.50 tone and 440.200, + offset, 162.2 tone. Dwayne Fox, W5ZOX is net control.

West Texas Amateur Radio Club Net, Odessa, meets each Monday at 9:00 P.M. The frequency is 145.470 with an 88.5 tone. Needs a Net Control.

Big Spring 10 Meter Net is at 8:00 P. M on Tuesday evening at 28.485 up or down a few.

Midland 2 Meter Net meets each Tuesday night at 9:00 P.M. on 147.300, offset: - 600 Mhz. Mike Smith, W5MLS is Net Control.

Ares Net meets each Wednesday night at 9:00 p.m. on 147.300, offset: -600 Mz. Dwayne T.Fox, W5ZOX, is Net Control.

ARES 70 Centimeters Net (West Texas & Southwest New Mexico) meets on Wednesday night at 8:00 p.m. on 444.925 UHF with a 2146.2 tone. Net Control is Mark Smith, N5UNH.

New Net. Midland County ARES Packet Net meets on Thursday at 7:30 p.m. on 144.970. Check-ins go through MIDTEX on the talk mode. No net control. Leave your check-ins at Dwayne's mail drop.

Howard County Net meets each Thursday at 8:00 P.M. on 146.820.

Senate confirms FCC Chairman, Commissioners

Published by permission of The ARRL Letter, Vol. 20, No. 22, June 1, 2001

The US Senate has confirmed President George W. Bush's three

See FCC next column

June Birthdays



JOHN DINGER, 02, AB5MB
DINO PARENTI, 03, K5IAG
JIM REID, 27, K5KUX
JACKIE SOHL, 12, K5SOL
RAY MOUDY, 26, K5TYT
JOSEPH RHODE, 17, KB5GCS
CHARLES HALL, 12, KB5RRY
GLORIA YOUNGBLOOD, 04,
KB5STJ
LES BRADSHAW, 28, KC5ETV
MICHAEL LaFARELLE, 10,
KC5KFW
GREG WOOTAN, 18, KC5KZK
JOHN SPENCER, 01, KC5LRJ
WADE HOWELL III, 10, KC5MDL

ALLEN NICHOLS, 10, KC5NHV
ED MICKLE, 18, KE5OB
J. DAVID ROSS, 10, KE5TN
JEFFERY HELM, 13, N5SVH
NATHAN ROBERTS, 09, N7AXT
STEPHEN JORDAN, 23, N8JRH
VIRGINIA BYRD, 27,
JIMMY GILES, 24, W5GBQ
DARRELL BYRD, 10, W5XXX
CHUCK SEETON, 23, WA0ZHH
WILLIAM (BILL) HADLEY JR., 04,
WA5BKF
HOWARD PALMER, 18, WA5QZX
NORMA BENTLEY, 04, WA5STG
NORMAN S GOULD, 17, WB5MSP
AARON CUMMINGS, 23, WD5FFK

FCC from column 1

nominees for the FCC. The action gives Republicans a 3-2 majority on the regulatory panel.

FCC Chairman Michael K. Powell also was confirmed for a new five-year term.

The new Commissioners are Republicans Kevin Martin, a White House aide and deputy general counsel of the Bush campaign and Kathleen Abernathy, a telecommunications attorney and former advisor to FCC Commissioner James Quello, and Democrat Michael Copps, a former aide to Sen Ernest Hollings of South Carolina, the incoming Senate Commerce Committee Chairman. Confirmation by the full Senate followed a 17-0 vote in favor of the nominees by the Senate Commerce Committee. Abernathy and Copps were sworn in this week.

The Shamrock

The Shamrock is published monthly by the Midland Amateur Radio Club, P.O. Box 4401, Midland, Texas 79704-4401. The phone number is (915) 685-3372.

Articles and other information are solicited. Send articles to Dewey D. and Daphne Baucum, Co-Editors, 707 Spraberry Drive, Midland, Texas 79703-7060. Telephone number is (915) 694-3162. Call about format. My E-mail address is: cooldewey@apex2000.net.

Member of



Midland VE Team

Testing is conducted at the Red Cross Building on Elizabeth Street at 8:30 A.M. on the second Saturday of every month. (Other times may be arranged.) A total of \$10.00 will be charged for each session. All elements and code use the multiple choice format. Individual ear phones are used for code testing. Testing is always sponsored by the ARRL-VEC. For more information call Mitch Martin, WA5ZAP @ 561-9397, Email: wa5zap@apex2000.net or Sterling Talley, Contact Person, WB5G @ 684-6994, Email: sterling@apex2000.net.

Club needs overhead projector

The club needs an overhead projector for the licensing classes and etc. If you know where one is available, please contact Dewey, WB5CDD. Remember the club can accept items as tax write-offs.

Pay Your Dues

If you haven't paid your dues for 2001, please do so.

Officers for 2001

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Email: shamrock109@home.com

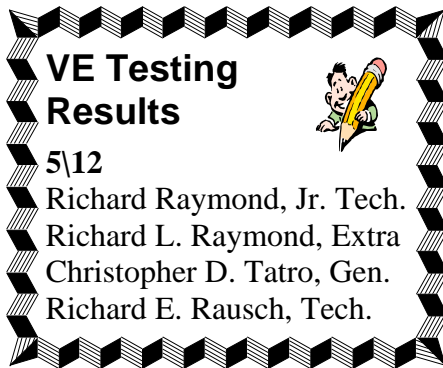
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TELCOKEN@worldnet.att.net

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3511 Princeton Ave., 79703-5011

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Email:k5rs@apex2000.net

Please consider paying your
MARC dues.



FCC to amateurs: detailed regulation "not in the picture"

Published by permission of The ARRL Letter, Vol. 20, No. 21, May 25, 2001

The FCC says the ball is in the court of the Amateur Service to determine the course of future Amateur Radio regulation. Speaking May 20 at the Dayton Hamvention FCC forum, Bill Cross, W3TN, of the FCC's Wireless Telecommunications Bureau, said that the days of Commission-imposed regulation are past.

"Detailed regulation of the nitty gritty of communication services, including the Amateur Service, is not in the picture," Cross said. "Rather, the FCC is shifting to strong and effective enforcement of truly necessary regulations." The FCC, he said, now plans to look to the amateur community to reach consensus on any new regulations it thinks it wants and needs.

"I hope that those of you who are
See FCC next column

FCC from 2nd column

thinking about asking us to carve up a band by fiat will think again," he told the packed forum. "You really are asking us to tie your hands regarding your use of your spectrum."

Before the FCC initiates any rulemaking proceedings in the Amateur Service to change privileges, Cross said it wants to see proposals involving the implementation of "new and more modern communications technologies," such as digital. In addition, he said, any future proposal "must include all licensees, and it must include all bands," and--most important--the amateur community must reach a consensus on the topic.

Cross said the FCC does not want and cannot handle "multiple proceedings that address piecemeal changes in operating privileges" that affect only certain classes of licensees or certain bands. "You, collectively, need to reach agreement on how you want to use your spectrum," he reiterated.

Cross said he expected the issue of restructuring operator privileges to come up "in a couple of years" at the outside. "Changes in operating privileges for the different classes of operator licenses are inevitable," he said.

West Texas Section Manager

Charlie Royall, WB5T
915-944-0469
cnroyall@wcc.net



Midland Amateur Radio Club Application Form

Name _____ Call _____ Class _____
Address _____ ARRL Member _____
City _____ State _____ Zip+4 _____
Home Phone _____ Work Phone _____
Email Address _____ Date of Birth _____

Do you wish to purchase a speed call ? _____

Names and Calls of Additional Family Members:

Number of Years _____ X \$15.00 _____
Addl Members X Years X \$3.00 _____
Speed Call at \$5.00(Optional) _____

Make checks Payable to Midland Amateur Radio Club. Thank You

and Send TO

P O BOX 4401 MIDLAND TX 79704-4401

Total Enclosed: _____