



# Bulletin



September 2019

## From the Prez



Dick K5TF

Contrary to what our local thermometers are telling us, we are approaching autumn's arrival on the afternoon of September 23, and with that comes quieter bands and improved seasonal propagation, especially on the lower bands. There is a lot of exciting DX to be worked, even during this prolonged solar slump, and the fall contests sponsored by the various radio societies around the world are sure to bring DXers out of the summer hibernation. A full calendar of exciting fall events fills nearly two full pages (pp. 88, 89) of the September issue of CQ.

I mentioned last month that my daughter's school ham club at Kittredge Magnet School in Brookhaven was among the finalists in the selection process for 2020 ARISS contacts. They have now received notification that they are one of six clubs selected to communicate

*Cont. on p. 2*

## This Month's Meeting

Date/Time: **Thursday September 19<sup>th</sup>** @ 7:30 PM

Location: Rich Auditorium, Piedmont Hospital

Details at [www.sedxc.org](http://www.sedxc.org)



**Program Title:** DXpeditions Films in Review

## VP's Corner



Mike ND4V

Our September meeting will be movie night in the Rich Auditorium. Bob K4UEE has graciously donated a couple of DVDs to our library. I'm thinking that we may visit Malpelo Island, the 2012 HKØNA DXpedition.

I hope everyone has October 19 marked on their calendar. Our "Pit Master" Paul W4KLY has promised

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## From The Prez (cont.)

with the international space station in the coming year. Her call is W5FRM, and the club call is KQ4KMS. They have been on the air and the students are excited about our awesome hobby.

You all can expect to receive a ballot soon for the election of the ARRL Southeastern Division Director. Our current Director, Greg Sarratt, W4OZK, is up for re-election and is counting on our support. Greg, who lives in Huntsville, AL, is involved in a wide range of ARRL activities including serving in key positions on important committees. He has been at the forefront of recent successful efforts to prevent the relinquishment of certain of our allocated frequencies to non-ham uses, and in helping establish new lifelong learning opportunities through ARRL. His bio which summarizes his accomplishments during his first term as Southeastern Division Director is attached to this bulletin. Please take time to read it, as I request your support in Greg's candidacy for re-election to a second term as Director.

73,

Dick K5TF❖

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## Treasurer's Journal

Checkbook Balance as of September 1, 2019:  
\$14,227.95.

### Paid expenses

6070 DXpedition \$104.99 (incl. PayPal fee)  
VP8/VP8DXU DXpedition \$500

There is one DXpedition Funding Request: FO/M Marquesas. Please see details on p.5.

73,

Jeff K1ZN❖

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## Announcements

**Sept 20/21:** W4DXCC Convention; Info  
<http://w4dxcc.com>

**Oct 13:** SEDXC BBQ; details forthcoming

**Nov 2/3:** Lawrenceville Hamfest; info  
<http://stonemountainhamfest.com>

## Around the Shack de N4GG



### The Human-Radio Interface

What's the best HF radio? That contentious question comes up from time to time, and I always have difficulty restraining myself from jumping into the technical end of the conversation. The technical end for me includes not just performance specs, but also the human interface. I ran the human factors engineering (HFE) department at a large aerospace company for two years. Applying what I learned there along with 58 years on the air has led me to a judgment I'd like to offer: the human interface designed into some of today's "modern," popular-to-the-point-of-cult-status-radios, is, awful.

Consider flying an F-22 state-of-the-art jet fighter in a dogfight. You have by far the best airplane, computers, etc. But for flight controls we will give you the same controls some "state-of-the-art" ham rigs have: a keyboard and a mouse. We might also give you a touch screen that's too small to read and too small to operate with your gloves on. Your opponent has a 30 year-old junk airplane with an analog joystick and analog foot peddles. You are DEAD.

The digital revolution continues ever onward however – the next generation "fighter jets" will likely be unmanned and "fully digital." The air flowing over the flight control surfaces will still be analog however. The world is an analog place.

High Performance HF Radios:

- Newer is sometimes better, sometimes not. The terms newest, best and modern are not interchangeable.
- Smaller is not better. Smaller is worse unless you are going to carry the radio under the seat of an airplane (along with a separate power supply since it likely doesn't have one).
- Monochrome displays are not better. Unless you are colorblind – then it's a draw.

Cont. on p. 4

## SEDXC OFFICERS

**President:** Dick Baxter, K5TF  
[K5tf58@gmail.com](mailto:K5tf58@gmail.com)

**Vice President:** Mike Weathers, ND4V  
[ND4V@comcast.net](mailto:ND4V@comcast.net)

**Secretary:** Paul Kelley, W4KLY  
[w4kly@bellsouth.net](mailto:w4kly@bellsouth.net)

**Treasurer:** Jeffrey Cantor, K1ZN  
[jacantor9@Gmail.com](mailto:jacantor9@Gmail.com)

**Activities:** Norm Schklar, WA4ZXV  
[Wa4zxv@arrl.net](mailto:Wa4zxv@arrl.net)

## Appointed Positions

**SEDXC Bulletin Editor:** Clark Macaulay, WU4B  
[clark.macaulay@gmail.com](mailto:clark.macaulay@gmail.com)

**Membership Committee Chairman**  
 Bill Barr, N4NX  
[n4nx@arrl.net](mailto:n4nx@arrl.net)

**Webmaster:** Chaz cone, W4GKF  
[w4gkf@chazcone.com](mailto:w4gkf@chazcone.com)

## Club Communications

**SEDXC Webpage:** [www.sedxc.org](http://www.sedxc.org)

**SEDXC Chat Room:** details on webpage

**SEDXC Reflector:** details on webpage

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## VP Corner (cont.)

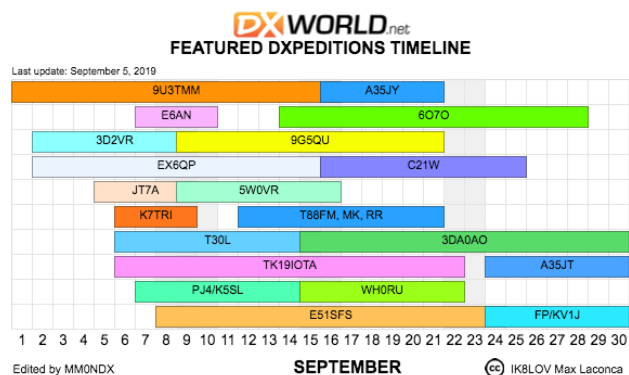
to rub some butts and smoke them over low heat. The club will provide BBQ, beans, slaw, beer and wine, and soft drinks. If you have a killer dessert, that would be welcomed! More details like time and place will be on the eVite when it goes out. Please RSVP early.

W4DXCC is just around the corner. Mac, Paul, Norm and I plan to attend. Mac will have his CW OPS code challenge set up. If you want a humbling experience, come try your hand at copying 30 call signs. I can copy them, just can't remember them long enough to type them in.... The event is in a great venue with great speakers and good food. In my opinion it is well worth the drive to Pigeon Forge. Google W4DXCC for info.

Programs – if you want a program on a particular subject or can give a program that would be of interest to our DX oriented audience, please do contact me.

73,

Mike ND4V❖



## ***Around the Shack (cont.)***

- Digital is not better than analog, except where it is. It's on a case-by-case basis. Some digital circuits and some digital displays are inferior to analog ones, others are better in one way or another.

To me, the degree of digitization inside a radio has never mattered. The signal at the antenna jack is analog. The output signal to your headphones is analog too – as are your ears and your brain. The radio is a black box that converts analog RF signals to analog audio signals. *How* it does that doesn't matter. *How well* it does that and how easy it is to operate are what matter.

Meanwhile, digital modes like FT8 are on the verge of altering that paradigm. Headphones are headphones, ears are ears, but the “audio” radio-to-computer interface is starting to be done digitally for digital modes.

As a technocrat, I could go on and on and miss the most important point:

What is the very best HF radio? It's the one that puts the biggest smile on your face. This is a hobby!



But, if what puts the biggest smile on your face is exquisite design, second-to-none performance across all operating scenarios, and a best-of-class human interface, then, in my humble opinion, the radio you want, currently, is the ICOM IC-7851. Those cost \$12,500. What? Yes, \$12,500.

Fortunately, you can have a radio very close to the 7851's performance and first-class human interface for a fraction of the cost. There are HF radios under \$5K (new) that are close enough to make me smile.

Meanwhile, price aside, what makes you smile might be QRP, UHF, boat-anchor antiques or any of the other versions of amateur radio you find appealing. Or maybe what makes you smile is owning the very latest radio with technical performance and/or the human interface of secondary importance. If you are smiling, you own the best radio.

What radio makes you smile?

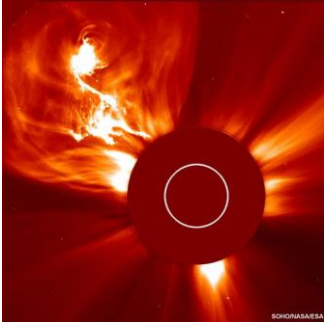
73,

Hal N4GG❖

## ***DXpedition Funding Request***

<b>Entity Name / Call Sign</b>	TX7T
<b>Web page</b>	Marquesas2019.com
<b>Team leader / number of members:</b>	K5PI, Team Leader, CanAm Group - K4UEE, W5MJ, W5RF, F6BCW, VE7KW, VA7DX, W5SJ
<b>Approx. Date and duration of DXpedition</b>	November 7 to November 18, 2019
<b>QSL manager / QSL route</b>	MØURX
<b>Budget estimated for DXpedition</b>	\$25,000
<b>Position on most wanted list:</b>	#59 – August CLUB LOG
<b>Landing permit/operating permission approved.</b>	YES
<b>Last time this entity was activated</b>	2016
<b>Typical interval between activations</b>	2-5 years
<b>Anyone planning to activate this entity before your DXpedition</b>	NO
<b>Objective / Strategy</b>	30K QSO – all bands, CW, SSB, FT8 -emphasis on top band, 80, 40
<b>Callsign/Age of youngest Team member</b>	K5PI/55
<b>SEDXC member initiating request</b>	K4UEE
<b>SEDXC member(s) participating</b>	K4UEE
<b>Funding amount requested</b>	\$250.00
<b>Send Funds to:</b>	W5RF – Robert Feldtman, 379 County Road 104, Buckholts, TX 76518
<b>SEDXC logo on QSL cards?</b>	YES
<b>SEDXC logo on web page?</b>	YES
<b>Additional comments:</b> We appreciate your consideration. Please respond to Bill Priakos, W5SJ, <a href="mailto:bill@priakos.com">bill@priakos.com</a> MNI TKS es 73! CanAm Group	

## 150 Years Ago: The Worst Solar Storm Ever



On Sept. 2, 1859, an incredible storm of charged particles sent by the sun slammed into Earth's atmosphere, overpowered it, and caused havoc on the ground. Telegraph wires, the high-tech stuff of the time, suddenly shorted out in the United States and Europe, igniting widespread fires. Colorful aurora, normally visible only in polar regions, were seen as far south as Cuba and Hawaii.

Earth's magnetic field normally protects the surface of the planet from some storms. In 1859, the planet's defenses were totally overwhelmed. Over the past decade, similar but less powerful storms have likewise busted through, giving scientists insight into what will eventually happen again.

The outlook is not rosy.

The solar storm of 1859 was three times more powerful than one that cut power to an entire Canadian province in 1989. Experts say if it happened today – and it could – the result might be unthinkable.

If a storm that severe occurred today, it could cause up to \$2 trillion in initial damages by crippling communications on Earth and fueling chaos among residents and even governments in a scenario that would require four to 10 years for recovery, [according to a report](#) earlier this year by the National Academy of Sciences. For comparison, hurricane Katrina inflicted somewhere between \$80 billion and \$125 billion in damage.

The good news is that astronomers know what they're dealing with a little more nowadays and have the ability to forecast solar storms, with the help of sun-watching spacecraft. The storms originate – still largely unpredictably – from dark sunspots. Once the spots erupt, an initial wave of radiation strikes Earth in just minutes. The worst eruptions unleash another cloud of charged particles that billow outward and take anywhere from 18 to 36 hours to reach us; those can be spotted and evaluated on the way, allowing for relatively accurate predictions of arrival time and potency.

Advance warning allows key power-grid switching stations to be turned off for protection. Satellites that might otherwise be knocked out by an electrical short are put into sleep mode.

We have the 1859 tempest to thank for ushering in the era of solar storm forecasting.

*Source: [www.space.com](http://www.space.com)*



Dear ARRL Member,

I am running for re-election as your ARRL Southeastern Division Director and would appreciate your continued support and vote.

I enjoy my interaction with hams throughout our Division which helps shape my member-driven-thinking to improve, protect and serve Amateur Radio and the ARRL. These interactions help me to leverage my proven leadership performance, vision, integrity, experience, credibility and successful Board collaboration to make progressive changes to improve and protect Amateur Radio.

Here is some information about me and a few of my recent accomplishments and activities working on the ARRL Board of Directors.

I serve as chairman of the new Amateur Radio on the International Space Station (ARISS) committee. This committee guides the ARRL's part of the ARISS program main goal in the all-important education sector, helping students all around the world learn and make contacts via Amateur Radio with astronauts onboard the International Space Station. In June, I represented the ARRL at the ARISS-International Delegates meeting at the Canadian Space Agency in Montreal, Canada. Delegates from all over the world met for three days and discussed current and future ARISS activities.

As a member of the Emergency Communication Manager Requirements committee, I introduced a change for the position title to Director of Emergency Management. This new title will better represent the ARRL's commitment to emergency communications, our ARES program and collaboration with served agencies. My ARES leadership and Project Management experience were utilized in contributing valuable requirements for the position description in order to hire the best person possible.

As a Programs and Services committee member, I serve as the Contest Advisory Committee representative. The Programs and Services committee is where the ARRL oversees all aspects of our Programs and Services such as: DX, Contest, awards, Field Organization activities, and ARES. Currently, we are working on creating a new digital contest and looking at a few upgrades to other contests.

At the July Board meeting, I introduced the need to deny the French 144-146 MHz proposal, which has positioned the ARRL to oppose the proposal that threatens our spectrum. This proposal would have particularly threatened the International Space Station and satellite Amateur Radio programs. On August 30<sup>th</sup>, the Conference Preparatory Group of the European Conference of Telecommunications and Postal Administrations, removed the 144-146 MHz proposal from the study. It is my opinion, the ARRL opposition stance helped in the decision for the removal of the 144-146 MHz effort.

I worked with the Orlando Hamcation leadership to develop a National Convention proposal, and then I promoted and gained ARRL Board approval for our Division to host the 2021 ARRL National Convention at Orlando Hamcation. This special National Convention will help celebrate the Orlando Amateur Radio Club's 75<sup>th</sup> Anniversary.

There are many award worthy activities happening in the Southeastern Division. I enjoy presenting awards to members and organizations in our Division. In February, I presented the Bill Leonard W2SKE Professional Media Award for Video Reporting to The Weather Channel's Jim Cantore and Jen Carfagno, Live and On The Air during The Weather Channel's AMHQ early morning program. I promoted and gained approval to award

the 2018 ARRL Hiram Percy Maxim Memorial Award, to an outstanding young amateur, Ruth Willet, KM4LAO. Last November, I presented this award at a special celebration reception for Ruth at the Stone Mountain Hamfest. At the July ARRL Board meeting, I introduced a nomination to congratulate NASA on the 50th Anniversary of Apollo 11. The Apollo program helped pave the way for the acceptance of Amateur Radio on the Space Shuttle and the International Space Station.

I am currently working with two high schools to install an Amateur Radio station at each school. The school stations are planned to expose and help students learn about engineering, technology and Amateur Radio. I am also working on a plan to put repeaters to help emergency communications in Puerto Rico.

A highlight of my Amateur Radio experience was attending a school contact with the International Space Station. This activity generated much exposure, enjoyment, and education for Amateur Radio and space. The excitement of the students and teachers as they talked with the astronaut in space was truly amazing.

I am proud to be a part of the ARRL's new Life Long Learning initiative. This progressive project will focus on creating online learning and communication opportunities for different sectors of the Amateur Radio community. The initial effort of this project is designed to target new hams that want help getting started enjoying and utilizing our hobby.

My memberships include: ARRL life member, AMSAT, QCWA, Huntsville Amateur Radio Club, DeKalb County Amateur Radio Club, NASA Marshall Space Flight Center Amateur Radio Club, ARES, and FEMA Region 4 Regional Emergency Communications Coordination Working Group.

Additional information can be found at [www.w4ozk.com](http://www.w4ozk.com) and [www.facebook.com/ARRLSoutheasternDivision](http://www.facebook.com/ARRLSoutheasternDivision) .

Let's continue working together to make a positive impact on all aspects of Amateur Radio.

I would appreciate your support and vote for this important ARRL Director position. Your election ballot will be mailed around October 1<sup>st</sup>.

73 and Thank You,  
Greg Sarratt, W4OZK



# SOUTHEASTERN DX CLUB W4NT

THE  
SOUTH'S  
PREMIER  
DX CLUB

September 1994

## NEXT MEETING TIME & LOCATION

Tuesday, September 20th, 7:30 PM, Old Hickory House in the Days Inn, Roswell Rd., just inside I-285.

## PRESIDENT'S MESSAGE

**-Delaine McCarthy, KM4FV, President**

Hope everybody survived the vacation season with money left over and a shack untouched by lightning bolts when you returned!

Now's a good time to assess the winter DX antenna system. With things like they see, maybe the emphasis should be on some nice wire, low-band jobs for 160 thru 30 meter operation. The cooler temps mean quieter conditions on these bands can't be far off. The next couple club meetings will provide us with, in addition to all the regular good chat and fellowship, a good opportunity to find out what's hot these days in low band antennas.

Looking forward to seeing you at the meeting!

73 Delaine-KM4FV

## VEEP BEEPS

**by Dick Bentley, K2UFT, VP**

The editor's deadline came before we got confirmation that September's presenter has arrived in the States. So we'll either cool you off with a show straight from UA9 land or heat you up with a short glimpse of Vern and Dick's great adventure - you've read about it before but now you'll get to see it in living color.

Speaking of adventures, Vern returns to ZF1CQ for the RTTY test September 24-25 and I'll be firing up ZF2SY again from November 19 through 24th, back in time for the CW CQWW if

anyone's looking for an extra operator.

Did you work your share of those guys signing /125? I managed to work members KI4XO and N4UCK on my way to achieving the Hiram Percy Maxim Award. There were some on the cluster who took exception to advertising the /125 station but it sure beat the heck out of most of the spots for opportunities to work stations like DL9XX Willie Stuttgart on 20 SSB!

See you at the meeting.

-Dick

## An Important Matter for Your Consideration

At the last meeting a presentation was made that I'm sure many of you did not hear. The Ham Radio Foundation, representing Ham Radio 95, gave the SEDXC an opportunity. This opportunity is what I would like to present to you the membership in a little more detail.

I'm Dan Nixon, N4DVW, a member of SEDXC. and of the ham community at large here in Atlanta. I've volunteered, with Delaine McCarthy's approval, to chair the planning group for this function, providing the club members approve.

We have a chance to heavily promote our fine organization, to enlist new membership and support. In addition we have the opportunity to raise operating revenue for the club, and at the same time promoting a very worthwhile charitable cause, the Scottish Rite Children's Medical Center.

Please put all preconceived notions aside and find it in your schedule to attend the September 20th meeting so that we may enlist your ideas and your support. I'm looking forward to seeing you there. Thanks for taking the time to read this.

The SEDXC Newsletter is published monthly by the Southeastern DX Club. All opinions expressed by the contributors do not necessarily reflect those of the editor, officers, or club. We welcome your opinion.

## TREASURER'S REPORT

-de John Tramontanis, N4TOL

Balance 7/31/94 (Checkbook)	\$2,371.31
Deposits:	
Raffle & Shirts	117.00
Memberships	309.00
Cluster Fund	80.00
Total Receipts	506.00
Subtotal	2,877.31
Expenses:	
Newsletter (Aug)	not pd.
Raffle Prizes	70.14
Bank Charges	10.42
QSL Bureau	9.50
Plaques	485.17
Total Expenses	575.23
Balance Checking 8/30/94	\$2302.08

Of this ending balance, \$730.00 is earmarked for the cluster fund, resulting from voluntary contributions from the club membership at renewal time.

### Minutes SEDXC Meeting Held 8/16/94

The meeting was called to order by President Delaine McCarthy at approximately 7:30 PM. The club participated in a roll call. Pete Shaw, K4DLR, extended the trial period for the outgoing QSL bureau for one month. Bill Blaine's wife sent a note to the club in thanks for the flowers. Neil Foster, KC4MJ, announced that 2 positions are open for Sci-Trek volunteers on the third Friday of the month for the hours of 11:00 am. to 2:00 Pm. Neil Sulmeyer, AE6E, presented very fine awards to club members earned during various contests. Estate items for Wayne Mueller, WA40VM, are available for sale. Call John Smith, KI4XO, for details.

Verne Fowler, WBBLA, brought to the clubs attention a forthcoming DXpedition to South Georgia. He has already pledged \$250.00 and encourages other club members to donate as well to the cause. The club can be on the card with a donation. As usual the club will match all member donated funds.

Verne, WBBLA, also led a discussion about the Ham Radio Foundation Inc., which will be coordinating Ham Radio '95' on April 7,8,& 9. Tickets will be available at the next club meeting. A motion was made that the club support and sponsor the DXPO at Ham Radio '95'. The motion was seconded and passed by a club vote.

- 73 de N4TOL John

## ACTIVITIES

-Neal, AE6E, Activities Director

I would like to congratulate all of you who received plaques last meeting. The following members who did not attend can get their plaques at the September meeting: K4BAI, KB0G, WB4ZNH, N4RJ, W4OUN, KO4WE, K4SB, WX4G, WA4APM, AB4OH, N4HOH, K4TEA, W4GTS, W4MWT, and KR4DL.

The fall contest season is almost upon us. I have been busy helping with antenna projects all summer and maybe soon I'll be able to get my own ready for the fall competitions. The first major contest is the CQ WW RTTY test on September 24-25. The 30 hour rule for single ops has been eliminated (about time), and I'll be at K4JPD again. The September VHF test starts at 1800z on Saturday the 10th. Anyone who makes 25 or more QSO's can order a pin for \$3 from the ARRL. This pin has the year marked on it making it a nice addition to your pin collection. 25 QSO's is easy. Just get on 2m FM if you don't have any SSB stuff for VHF. The Four Landers VHF club is planning to go to Bald Knob, VA (FM07) so please look up that away.

For the CQWW Phone (October 29 and 30) and CW (November 26 and 27) competitions, Rons AA4S and AB4RU are assembling teams of 5 single operator all band entrants. There were virtually no entrants in the category. Ron would like to see the SEDXC put together one or more teams per mode. If you would like to be involved, please contact either AA4S or AB4RU.

I was very disappointed in the number of entries I received for the club DX contest. From all the packet messages and direct QSO's with club members, I thought there would be a lot more entrants. I'm especially disappointed with all the members who were excited that I revived this from the past yet didn't send in an entry. At the last club meeting, the membership expressed the desire to continue the SEDXC DX competition. The rules are simple. Work as many countries (ARRL DXCC list) on as many band and modes as you can. The categories are numerous. Aside from the usual mixed mode all band total, include low power (less than 200 watts), QRP (less than 10 watts), single bands (including WARC bands), single mode (don't forget RTTY or even PACTOR), and even Wire Antenna only. If you can think up a category, I'll include it. All contacts must be between June 1, 1994 and May 31, 1995. The idea is to promote club activity and, most of all, have fun doing it! Good hunting and best

DX

de Neal, AE6E

(from a mailing)

by Ron Bailey, AA4S

(reprinted from the 3rd Qtr FMC Lithium Digest)

Al Hernandez, WA3YVN (VP8SSI co-organizer and operator), and Jan Heise, WA4VQD, recently founded the SGI DXpeditions Group. Their vision is to organize and conduct DX operations from high demand DX locations around the world, including many of the low latitude Antarctic islands. The group's first DXpedition will be to South Georgia island where they plan to operate for three weeks starting in early January 1995. All DXpedition gear for four complete HF stations was put aboard the Research Vessel ABEL-J in June at Fairhaven, Massachusetts. WA3YVN accompanied the freight to Fairhaven and saw all of it safely stored by the ship's crew. This is the same ship that transported the VP8SSI team to the South Sandwich islands in 1992.

#### OPERATION AND FREQUENCIES

The team will operate on all open bands with emphasis given to CW and low band operation. The Expedition goal is to maximize the number of individual call signs in the logs. Once on the air, they will transmit on 1826, 3522 (3504 for EU), 7022 (7004 for EU), 10104, 14024, 18074, 21024, 24894, and 28024 kHz on CW, and 1845, 3785, 7065, 14195, 18145, 21295, 24945, and 28475 kHz on SSB. On RTTY try 3580, 7040, 14080, 21080, and 28080 kHz.

QSL ROUTE: Please QSL via: W4FRU, INDEXA, P.O. Box 5127, Suffolk, VA 23435 USA.

CW OPERATORS NEEDED: The group is still looking for one or two high caliber CW operator to complete the team. Al, WA3WN can be contacted at the SGI DXpeditions address below or by phone (407) 727-0201 or Fax (407) 728-8072.

FINANCIAL SUPPORT NEEDED: The group is receiving good support from the DX community. However, at a cost of over \$50,000 much more support is needed. The SGI DXpeditions group still needs help with the cost of the charter vessel, generators, and fuel. Contributions (checks payable to SGI DXpeditions) may be sent to: SGI DXpeditions, P.O. Box 2235, Melbourne, FL 32902 USA. Clubs and significant contributors will be noted on the QSL cards.

A now famous athlete (John Kruk) recently said, "When I left my home in Burlington, WV to play professional base-ball, it was the first time I'd ever met people I'd never met before." Well, he has his way of meeting people, I have mine!

For the past 30 years I have pursued a hobby which quite a few fellow employees share. The hobby is that of meeting and talking with people using Amateur Radio (often called Ham Radio or "Hamming" although no one knows why).

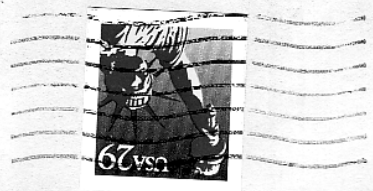
Ever since 1953 when I discovered that my parents' old AM radio could pick up far-distant stations, I have been compelled to "see what I could hear." In 1963 I passed the test requirements for an Amateur Radio license and have been active in this hobby ever since. As a result of over 40 years of listening, I have heard and experienced some amazing things. I have:

Talked with radio operators in every country in the world including such recently-formed ones as Macedonia and Serbia. Heard the echo of my own signal coming all the way around the world. Heard what is referred to as a "long delayed echo" where my own transmitted signal came back after a one or two second delay—equivalent to 10 or 15 trips around the earth. No one has been able to satisfactorily explain how this is possible. Conducted two-way communication with other amateurs by bouncing signals off the surface of the moon. Logged (heard) over eight hundred different AM (standard broadcast band) stations from 36 states including California. Talked to such people as Barry Goldwater and King Hussein of Jordan who are also amateur radio operators. Relayed messages from Managua to various parts of the United States after the Nicaraguan earthquake. Sat watching a wall cloud during a storm ready to alert the National Weather Service in the event a tornado were to form. This done as a volunteer for the Amateur Radio Emergency Service. Talked with a ham operator in the Parliament Building in Lithuania while it was surrounded by Russian tanks.

As you can see, many of my experiences have made it possible for me to meet some of the most interesting and, in some cases, the bravest people in the world. I feel strongly that I would not trade either the friendships made or the knowledge gained through the hobby of Amateur Radio for anything.

6/30/95 NNNX  
 BILL BARR  
 355 WESTERHALL COURT  
 ATLANTA GA 30328

SOUTHEASTERN DX CLUB  
 PO Box 19871  
 Atlanta, GA, 30325



**SEDXC OFFICERS**

President: Delaine McCarthy, KM4FV  
 H: 993-9758 W: 642-2003  
 V. President: Dick Bentley, K2UFT  
 H: 393-2848/2150 W: 913-3624  
 Secretary: Buddy Harrell, W4OUN  
 H: 296-7641 W: 493-2272  
 Treasurer: John Tramontanis, N4TOL  
 H: 587-4623 W: 843-5253  
 Activities: Neal Sulmeyer, AE6E  
 H: 926-8422  
 Membership: Verne Fowler, W8BLA  
 H: 993-2909 W: 518-4634  
 Editor: Rick Glisson, N4XMX  
 H: 352-5349 W: 522-8364

**DX PACKET FREQ. (2400 baud)**

W8ZF 145.63  
 K4KG 144.91  
 N4UCK 145.65, 144.97  
 (ARCDX)  
 KK4JF 145.71 (also 1200)

**DX COMMUNICATION FREQ.**

Simplex 147.54  
 Melvin 147.51  
 K4JPD Repeater (tone 7)  
 147.795/T-195/R  
 W8BLA/R 442.075+

**NEXT MEETING**

September 20th, 7:30 PM, Old Hickory House, Days Inn on Roswell Rd., just inside I-285