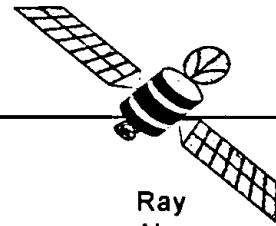


# W2MMID



## Gloucester County Amateur Radio Club

### 1997 Officers

President	Bob Krukowski	WA2UDO
Vice President	Jack Stauffer, Jr.	KA7LAX
Treasurer	Al Arison	KB2AYU
Recording Sec.	John Schumacher	KB2VXC
Corres. Sec.	Tony Scandurra	KA2FFS

### Directors

John Lloyd	KA2EZN
John Zaruba, Jr.	AA2BN
Walt Seitz, Jr.	KB2JCG
Chuck Colabrese	WA2TML
Goldie Rosenberg	N2YNB

### Trustees

Stu Cleveland	N2WUP
Barbara Bielecki	N2SBP
Chris Chamberlin	N2IVN
Charlie Olinda	N2SRQ

### GCARG Meetings

#### General Membership:

8 p.m., 1st Wednesday every month,  
Woodbury VFW, Woodbury-Glassboro Rd.  
and Evergreen Ave., Woodbury Heights, NJ

#### Board of Directors:

8 p.m., 3rd Wednesday every month,  
GCARC site, Harrison Twp. 4-H Grounds  
(approximately one mile south of Mullica Hill  
on Rt. 77).

### Club Repeaters

147.780/180 Mhz    223.06/224.66 Mhz  
447.100/442.100 Mhz (CTCSS 131.8)

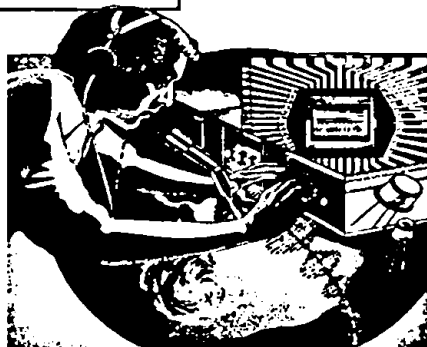
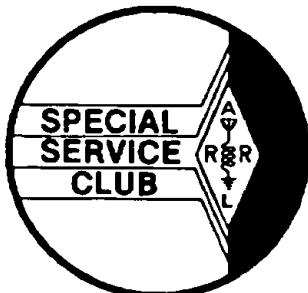
## 1997 Committee Chairpersons

Advertising	Ray	N2WHL
Antennas	Al	KB2AYU
ARES/RACES	Chic	WA2USI
Awards	Jack	K2ZA
Banquet	Bob	WA2UDO
Budget *	Bob	WA2UDO
Callbook Info.	John	K2JF
Clubhouse Site *	Stu	N2WUP
Constitution *	Ken	KN2U
Crosstalk	Greg	WN2T
	Kyle	KB2RVY
Data Processing	Bob	KB2COB
DX	John	K2JF
Field Day *	Tony	KA2FFS
Hamfest *	John	KA2EZN
Help	Ken	KN2U
Hospitality *	Glenn	N2YIO
Legislation	John	AA2BN
Membership *	Tony	KA2FFS
Nets	Dave	N2TVR
Nominations	Bob	WA2UDO
Publicity *	Ray	N2WHL
Repeaters *	Chuck	WA2TML
Scholarships	Greg	WN2T
Special Services	Open	
Special Events	Walt	WB2OYQ
Sunshine	Miriam	KB2EUA
Technical	Jack	KA7LAX
Training & Testing	Chic	WA2USI
TVI	John	K2JF
4-H Parking	Bob	WA2UDO

(\* Standing Committee)

### NETS

**ARES/RACES - Sundays, 2200 Hrs**  
**(147.780/180 & 223.06/224.66 Repeaters)**  
**10 Meter - Sundays following the**  
**ARES/RACES net (28.350 Mhz)**

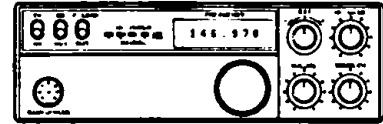


# GCARC

May 1997



# CROSSTALK



## President's Message

Spring is finally here, and hopefully we are all getting in gear with outside activities. The next "outside activity" for our club is FIELD DAY. Tony, KA2FFS, our

FIELD DAY chairman, has already expended many hours planning this event. If you are interested in chairing a band, there are still openings for both CW & phone buffs. We also could use some additional help with food and refreshments.

If you would like to volunteer to chair a band or help with the food, please contact Tony

(days) or (evenings) OR myself @ or e-mail:

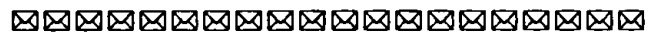
bobudo@juno.com. If you are unable to chair a band, come out anyway – extra operators are always appreciated. This is the perfect opportunity to meet fellow hams in a relaxed and casual atmosphere. You will also be participating in a "preparation exercise" that benefits our country and brings FAVORABLE attention to amateur radio. So come out and enjoy one of the many privileges of our hobby. 73, Bob WA2UDO

## 1997 FIELD DAY

Friday, June 27 @ 1800 UTC - Saturday, June 28 @ 1800: Setup; Saturday, June 28 @ 1800 UTC- Sunday, June 29 @ 2100 UTC: Operating; Sunday June 29 @ 2100 UTC - ? : Cleanup

## BAND CHAIRS

160m cw - open	15m cw - open
160m phone - WA2UDO	15m phone - open
80m cw - K2OWE	10m cw - open
80m phone - open	10m phone - KB2EAH
40m cw - N2CQ	6m cw - open
40m phone - N2IMK	6m phone - K2JF
20m cw - AA2BN	2m cw - open
20m phone - open	2m phone - KB2AYU
	Satellite - KB2AYU & AA2BN

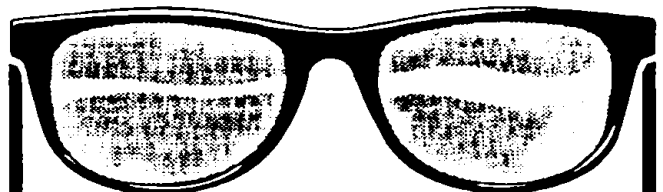


## Scholarship Report...



The Scholarship Committee is pleased to report that we received eight applications for this year's \$500.00 scholarship award. This is a record number!

The Committee has begun reviewing the applications and will make a determination within two weeks.



## Stuff for Xtalk?

Please send on packet to WN2T via "Pitman" (N2SRO) on 145.770 or E-Mail to:

Pott@voicenet.com.

Deadline for June 1997 issue:

May 25, 1997

## H . F. Antenna Erection



Weather permitting, we will be assembling and erecting the Mosley PRO-67 throughout the weekend of 5/3 & 5/4. Several members have already volunteered to help, but more hands will be most welcomed. There are many support tasks associated with this endeavor. If you have rope, pulleys or other tools, please bring them with you. Too many is always better than not enough.

After this beam is up our HF capabilities will be greatly enhanced. This will generate more interest at the clubsite and put some quality HF gear to good use. Even if you only have an hour or two to spare, come out and lend a pair of hands, and if you don't mind climbing, a pair of feet also. If you are unable to come out, say a few prayers for good weather and you will still be helping us out. 73, Bob WA2UDO

### QST de WIAW

Special Bulletin 10 ARLX010  
From ARRL Headquarters Newington CT  
April 25, 1997

Ham radio continued to have a critical role in emergency relief and recovery efforts along the Red River, where flooding overtook the cities of Grand Forks, North Dakota, and East Grand Forks, Minnesota. Most area residents—an estimated 50,000 people—were evacuated into surrounding towns and emergency shelters.

The Salvation Army has been assisting at many of the temporary camps and shelters, providing food and other necessities, and Amateur Radio has been maintaining several important communication links. Minnesota Section Manager Randy Wendel, N0FKU, reports that ARES, RACES, MARS and other members of the Amateur Radio community have been working together to help the Salvation Army and other emergency relief agencies.

North Dakota Section Manager Bill Kurtti, WCOM, reports that hams in that stricken state are providing backup communication for the various agencies involved in the flood-relief effort. He said the biggest communi-

cation obstacle hams are trying to help overcome is to coordinate communication among the various relief agencies that don't share one another's radio frequencies.

"Ham flexibility can tie them together," he said. Links have been established on HF (75 meters), VHF and UHF, he reports. Several Amateur Radio clubs, the American Red Cross, the Salvation Army, the National Guard and FEMA have been active in dealing with the emergency in North Dakota. Kurtti said April 25 that in the northeastern North Dakota, the water is rising to record levels, and the cities of Drayton and Pembina may have to evacuate because water might overrun the dikes at those towns.

Harold McConnell, WA0YSF, the RACES EC for Pembina County, North Dakota, reports that hams in that region have been supporting the local emergency manager, the National Guard, the US Coast Guard, the Air Guard and the Salvation Army. He said hams in North Dakota are also in contact with

Canadian hams to the north who will get the flood waters leaving North Dakota. The ARRL's emergency 2-meter repeater has been shipped to the Forx Amateur Radio Club in Grand Forks, North Dakota, to serve as a backup to the single repeater still in operation as the Red River begins to recede and the massive clean-up and damage-assessment process begins.

Morgan James, KF0EN, a meteorologist at the University of North Dakota, reports that Grand Forks ARES worked with emergency management agencies to install communication for dike patrols. The ARES group also set up a mobile 420-MHz ATV repeater in a van and was able to send live video back to the emergency operations center of dike-building activity.

He said ARES was running continuous VHF and UHF nets in the Grand Forks area to assist with flood efforts. Mike Woytassek, N0VGV, of Fargo, North Dakota, reports that even hams who were traveling in the area and were caught in the flooding have jumped in and assisted. Woytassek, president of Red River Radio Amateurs, said hams helped Cass County emergency management officials with communication, passing traffic on water levels and road closings. Area hams also assisted the US Coast Guard in commu-

nicating with its rescue units in the Red River Valley from a temporary headquarters in Fargo. "The Grand Forks hams are victims as well as on the front lines working," he pointed out.

Other clubs pitching in include the Wahpeton Radio Amateurs in Wahpeton, North Dakota and the Cavalier County Amateur Radio Club, Cavalier, North Dakota. All involved with the relief and recover efforts in Minnesota and the Dakotas have praised the countless hams who have turned out as well as the degree of teamwork. "We should all be proud of the Amateur Radio community today," Woytassek said.

*(Tx John Fisher, K2JF, for feed)*

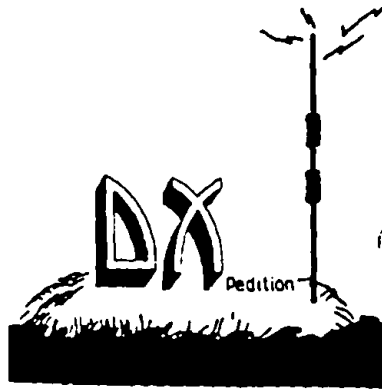
2B or ~~2B~~

Chick, WA2USI, challenged us at our last general membership meeting to think about our Club's role. Years ago, GCARC, like many clubs, could appeal to many different interests. But "being all things to all people" may not be working very well today. Maybe we need, Chick suggests, a new focus -- perhaps as a service club. A single focus might galvanize our membership around a common cause.

What do you think?

# DXing....

Well, the BIG noise this coming month is BS7H, SCARBOROUGH REEF. Here is the latest (condensed) information from N4GN, the spokesman for the operation. BS7H will be on the air for approximately 7 days, starting April 30. The following transmit frequencies will be used by BS7H -- CW: 1826.5, 3505, 7005, 10105, 14024, 18073, 21024, 24894, 28024, and 50110 kHz. SSB: 1826.5 3790 (3750 secondary), 7065, 14194, 18115, 21295, 24935, 28485, and 50110 kHz. RTTY: 14083, 21083. BS7H will also be QRV on the Russian RS satellites. Periods of simplex operation will also be conducted, particularly during the last few days of operation. DXers are reminded that QRM from "illegal" operation can be a problem on the amateur bands. Follow the directions of the BS7H operators and be alert for changes in listening frequencies.



3B8/F6DBZ - Mauritius will be active until May 21 on CW and SSB. 3C0DX - Pagalu Is. reported that they will start operation May 20 - 27. QSLs go via EA4URE. 3D2RW - Ron was active on 20 meters. However, he indicated that as soon as he can

get transportation he will go either to T30BH, April 28, and then go to T33 -- Banaba -- about May 5th. Ron is an excellent CW operator. All QSL requests must go to RON's home address (ZL7AMO) with a SASE.

3V8BB - Tunisia from May 1-5 and on May 3-4 will use 3V5I. QSL to I5JHW. C6AJR - Active May 30 to June 2 (IOTA NA-113). FR/DJ4VW - Reunion. Helmut will be active May 1 - 15, all bands 160-10M, with special emphasis on 18165. QSL home call.

HBO - Leichtenstein will be active from May 7 - 11 on 80-2M. QSL via DL8SET. J83ZB - St Vincent will be active from April 29 to May 4. Again working RTTY on 30 and 20M, and SSB/CW. QSL home call JH1NBN. OH0JW/H0JWL - Aland Is. will be active Apr 28 - May 4 including the Volta RTTY DX contest. QSL home call (DL5FF).

S79MAD - Seychelles. Patty will be active especially on the WARC bands including RTTY on 18103. QSL via GW4WVO ST2SA - Sudan ST. Look for Sid to QRV on Saturdays and Sundays between 2000 and 2400Z on 20 meters. QSL via CBA.

T30WP - West Kiribati will be there April 27 - May 5th. Operations on 160-10M including WARC, but no satellite. CW/SSB. He will use a TS50 and 300W amp. QSL home call (JA1WPX) or via the bureau. V73WP - Marshall Is. Active May 5-6. Same details as T30.

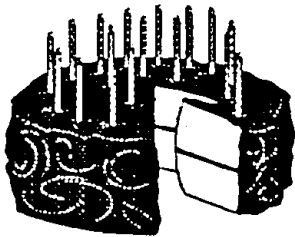
For VHF/UHF contesters there are a bunch of Sprint contests this month starting with 902, 1296, then 2304 MHz. For detailed information see April QST, p 98.

A big one for us 50 MHz guys: May 17-18 ARRL 50 MHz Spring Sprint starts 2300Z May 17 to 0300Z May 18. Here is a chance for some of you fellows to try a little contesting. With the antenna array we have out at the Club Site for VHF/UHF you could really work the contests. (How about working 50 MHz with you, Tony, KB2FFS ?) The CQ WW WPX contest CW May 24 to 25. Starts 0000Z May 24 to 2400Z May 25. Complete rules in January issue of CQ.

Well, all we have to do now is hope that the propagation works with us for the BS7H and the rest of the good DX out there. You sure got lots to play with this month, and with the WPX contest you can build your country count.

Tnx QRZ DX, ARRL, and others..... C U in the Pile-Ups..... 73, K2JF, John M. Fisher

## MAY BIRTHDAY GREETINGS TO THE FOLLOWING MEMBERS OF GCARC!

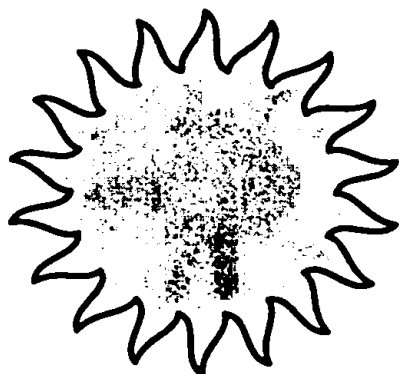


Call	First	Last	Day
KA2GCW	George	Bockman	8
N2KDU	Kenneth	Albone	11
KB2GH	Hyman	Friend	12
N2IZM	Herbert	Telling	18
WB2OYQ	Walton	Ashton JR	22
N2RHT	Frank	DiSanto JR	24
N2WHY	James	Montagno	24
N2WUO	Clyde	Babb	25
WA2TRS	Carmen	Inverso	25
WA2PFC	Edward	Loveland JR	27
KB2JCQ	Virginia	Wallace	28
AA2RK	Richard	Hackett	28

## QST de W1AW

### Propagation Forecast Bulletin 17

From Tad Cook, KT7H  
Seattle, WA April 25, 1997



Solar activity was down last week, with the daily solar flux falling below the 74 average for the previous 90 days. The average flux for the week was 7 points below the previous week, and the average sunspot number was down by about 26. The really active geomagnetic day was April 17 when the A index was 26, and the quiet day was May 20 when the K index dropped to zero. Although many have called for the end of the previous solar cycle, we still seem to be stuck in the doldrums.

Solar flux should peak for the short term around or just above the mid seventies at the beginning of May, and then fall possibly below seventy in about three to four weeks from now. Sunspot Numbers for April 17 through 23 were 29, 13, 12, 0, 0, 12 and 13 with a mean of 11.3. 10.7 cm flux was 71.7, 70.1, 69.9, 69.7, 70.1, 70.7 and 68.9, with a mean of 70.2, and estimated planetary A indices were 26, 16, 13, 4, 16, 18, and 9, with a mean of 14.6.

I would like to end this bulletin observing the recent death of Ed Tilton, W1HDQ. He wrote the propagation bulletin for many years. I took it over from him when he became ill during the peak of the last solar cycle.



## Sunshine Report by Miriam, KB2EUA

Miriam is pleased to note that we did not have any reports this month! Keep well everybody!

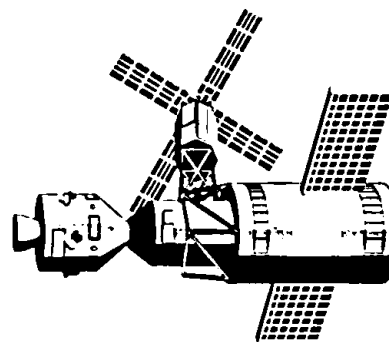
## QST de W1AW

Space Bulletin 013  
Newington, CT, April 25, 1997

Word from NASA this week is that shuttle mission STS-83—cut short in early April because of a fuel cell problem aboard the spacecraft—will be reflown in July with the Shuttle Amateur Radio EXperiment—SAREX—aboard. The new mission will be dubbed STS-94. The space shuttle Columbia prematurely returned to Earth April 8 without making any of the scheduled QSOs with 18 schools in the US, the People's

Republic of China, and Japan. Sixteen schools want to arrange new schedules for the July mission, which will again carry the microgravity science lab. Three hams were aboard STS-83: Jim Halsell, KC5RNI, the mission commander; Janice Voss, KC5BTK; and Donald Thomas, KC5FVF. The same crew likely will be tapped for STS-94, set to launch on July 1 for a 16-day mission.

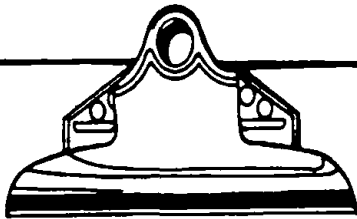
In the meantime, more QSOs of a scheduled round of ten MIREX school contacts have taken place with Jerry Linenger, KC5HBR, aboard the Russian Mir space station. Students at Holy Angels School in Dayton, Ohio, got a chance to chat with Linenger April 21. The ground station, W8DOZ, was running 35 W into a turnstile antenna. On April 23, students at Jerling Junior High School in Orland Park, Illinois—a Chicago suburb—had a 10-minute contact with Linenger. More than a dozen students got to speak directly to Linenger as an audience of 800 students and 200 visitors looked on. Nearly 2500 students in other schools also got to listen in.



Linenger and his cosmonaut flight companions, Mir-23 Commander Vasily Tsibliev and Flight Engineer Alexander Lazutkin, managed to restore one of two Elektron oxygen generators aboard Mir. The repair ended a serious problem for the Russian space outpost. The three used equipment shipped to Mir April 8 aboard a Progress resupply rocket. With the Elektron electrolysis system at least partially back in operation and the Mir's primary carbon dioxide scrubber also operational once more, the air aboard the Mir is healthier than it has been in weeks. Because the system is not producing oxygen at a rate sufficient for three crew members, however, the crew is supplementing the Mir's atmosphere with gaseous oxygen. The Mir also has a healthy stock of oxygen-generating candles to use if necessary. Wire service reports say the Mir crew has, for the time being, given up efforts to track down an elusive cooling system leak that's allowing ethylene glycol coolant to leak into the atmosphere of one spacecraft module.

NASA reportedly intends to go ahead with plans for astronaut Michael Foale, KB5UAC, ADD to replace Linenger in mid-May. Foale, who will arrive on the shuttle Atlantis, is scheduled to be replaced in September by astronaut Wendy Lawrence, KC5KII. The last US astronaut scheduled for a tour of duty on Mir is David Wolf, KC5VPF, in early 1998. The 11-year-old Mir space station eventually will be replaced by the International Space Station—a cooperative venture between Russia and the US.

(Tks Ken, N2CQ, for feed.)



### **May Technical Presentation: POT LUCK!**

The technical presentation for the May meeting will be a video on some aspect of Amateur Radio. To-date I have not selected which of the five topics available will be presented. I apologize for this, but I did not have time to review the video and make a selection. Nor have I had time to complete the presentation on the Simple Regenerative Receiver Project. I have been very busy, sorry.

Jack Stauffer (KA7LAX)

## **MY OPINION**

The April General Membership meeting is now passed. Chic Naylor gave a long overdue presentation on the need to unite the members of GCARC.

Without going into great detail, Chic's presentation was centered on using community service as a unified goal to muster members in a collaborative pursuit. For example, club members would use amateur radio to support community and public service events. As stated, this would create a visible presence with the public, enhance the club image, and stimulate further interest in the club for current and future members.

I now would like to give my opinion on the situation. I feel that everything that Chic presented on needing to unify the club was on target without exception. I also agree that involvement in community and public service should be provided by the club. I agree with Chic on all but one issue. I firmly disagree with trying to use extra-curricular activities to unify the club.

First, if we can't put the club together and keep it together internally, external exposure will only serve to make us look feeble and foolish as an organization. We need to be unified internally before we attempt to present the image externally.

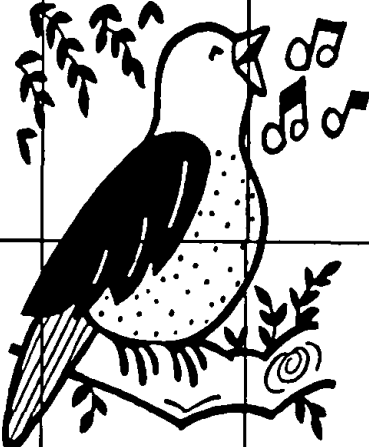
Second, time is extremely precious to most of us these days. Currently, we get little help for supporting internal club needs, as simple and undemanding as most requirements are. Taking on tasks which require membership participation further burdens the membership's time. I believe both these items would currently doom club participation to failure in all but the most simple and informal activities at this time.

What we really need to do is use the club itself as the focus. Let's all take part, every body contribute something. Involvement in the club will bring all of us and the club together. Only after GCARC has become stronger internally and more coalescent as an organization should we attempt to take on support for public events of any significance or any other extra-curricular activities for that matter.

Jack Stauffer KA7LAX

**Crosstalk**

May 1 - 31, 1997

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				May 1	May 2	May 3 GCARC 10-mtr Net, 0800, 28.350; ARI Inter. DX Test; Connecticut QSO Party; MARAC County Hunters CW Test; Mass. QSO Party; 10-10 Inter. CW; Texas QSO Party
May 4 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz	May 5	May 6	May 7 GCARC General Membership Meeting 20:00	May 8	May 9	May 10 GCARC 10-mtr Net, 0800, 28.350; ARRL VHF/UHF Spring Sprints; Oregon QSO Party; Nevada QSO Party
May 11 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz	May 12	May 13	May 14	May 15	May 16	May 17 GCARC 10-mtr Net, 0800, 28.350; Fest-Ephrata, PA; ARRL VHF/UHF Sprint, 50 Mhz; Armed Forces Day; EU Sprint, CW
May 18 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz	May 19	May 20	May 21 20:00 GCARC Board of Directors Mtg	May 22 VE Exams Bellmawr @ 7 p.m (Doors open 6:15 p.m.)	May 23	May 24 GCARC 10-mtr Net, 0800, 28.350; CQ WW WPX Test, CW; ARCIQRP Hoot Owl Sprint, CW
May 25 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz; Fest-West Friendship, MD	May 26	May 27	May 28	May 29	May 30	May 31 GCARC 10-mtr Net, 0800, 28.350
		Deadline JUNE Crosstalk				

## Meeting Format Change

We believe that we have a group of terrific people as members. Most of whom are very knowledgeable, talented, experienced in their own areas, interesting to talk with and truly interested in amateur radio and the club. We believe we have the best group of leaders the club has seen in many a year, if for no other reason than we all respect each other and work well as a team.

Before going any further we want to set the record straight. The suggestions we are about to make are not intended to fault, or reflect negatively on past or current elected officers or board members. Nor are we criticizing any member(s) of the general membership.

We believe that the general membership suffers from a severe case of apathy and boredom. We also believe that there is one simple answer to the problem.

### Problem:

The membership suffers from severe frustration brought about by the way general membership meetings are conducted. Meeting attendance is down. After looking at the faces of all present during the last meeting, we would like to venture a guess that the following opinion is shared by most members. We have the same boring agenda, the same old discussions month after month. No one smiles! Few participate in meetings or other club activities! We don't discuss our hobby. We don't discuss what interests us. We don't have (take) time to greet old friends or make new ones. Incidentally, is this not what the largest part of amateur radio is about. We don't have time for sharing ideas and knowledge about our hobby with each other. We have all become jaded! Amateur radio is our common interest, but we don't do radio. It's just business, business, business! This is not a hobby, it's a JOB! One for which none of us are compensated! The bottom line is the general membership meeting is the only time or place most people have to spend together and share our hobby and ourselves with others. Instead we spend it month after month like a bunch of short circuited automatons.

### Solution:

To date, our president Bob (W2UDO) has made a concerted effort to reduce the time spent on the business portion of the meeting. This has resulted in more efficient and shorter meetings. However, meetings still become involved and remain lengthy by nature. This leaves little time for other activities. The Board of Directors would like to suggest that the membership aid us in reducing time spent in the business meeting by voting to wave or enact the following items at the next meeting. (1) Wave reading of the minutes (copies will be available for individual review at meeting). (2) Enact reading of a shortened treasurers report (funds transferred in /out and account balance. (3) Hear committee reports only as necessary. (4) Enact presentation of status only on old business. (5) Hear new business as necessary. This format in addition to a conscious, concerted effort from the officers and general membership to limit the time spent on these and other items.

Should the above format prove acceptable and tolerable, the board further suggests the general membership consider the following suggestions. Amend the By Laws to: limit the number of meetings where detailed club business is discussed to either three or four times per year. (i.e. April, August, December or February, May, August, November). The remaining months would be limited to the treasurers report, committee reports when relevant and any other high profile business as required. Then release the rest of the evening to: technical presentations, groups discussions for individuals of common interest and conversation with friends. The officers and board will continue to: run the normal business, keep you informed and present items for vote when necessary. You can then come to the meetings, converse, learn and enjoy. Two months out of three ain't bad, three months out of four is even better.

If these suggestions sound appealing, come to the next meeting, consider voting this motion into place at a later meeting and Let's Have Some Fun!

**Board of Directors**