

# W2MMD

## 1993 OFFICIERS

*President* ..... Cory Sickles ..... WA3UVV  
*Vice-President* ..... Ken Bozarth ..... KN2U  
*Treasurer* ..... Bill Mollenhauer ..... N2FZ  
*Recording Sec.* ..... Peter Butler ..... KA2DZF  
*Corresponding Sec.* ..... John Fisher ..... K2JF

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   Harry Jessen ..... N2DUZ  
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   Chris Chamberlin ..... N2IVN  
 1Yr(91-93) ..... Charles Colabrese ..... WA2TML  
   John Cliver ..... N2NLE

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 Banquet ..... Marla ..... N2DWR  
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 Constitution ..... Harry ..... N2DUZ  
 Contest ..... Cliff ..... N2PLE  
 Crosstalk ..... Harry ..... N2DUZ  
 Data Processing ..... Charlie ..... K2PQD  
 DX ..... Cliff ..... N2PLE  
 Field Day ..... Steve ..... N2GVR  
 HAMFEST ..... Pete ..... KA2DZF  
 Help ..... Ken ..... KN2U  
 Historian/Archivist ..... Pete ..... KA2DZF  
 Hospitality ..... Andrew ..... N2PKV  
 Legislation ..... //OPEN//  
 Membership ..... Ed ..... KB2ODJ  
 Nets ..... Mike ..... WA2TOP  
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 TVI ..... John ..... K2JF  
 Ways & Means ..... //OPEN//

### CLUB REPEATERS

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

### NETS

ARES/RACES ..... Sundays, 2200Hrs. 147.780/180  
 and 223.06/224.66 repeaters.  
 10 Meter ..... Sundays immediately after the  
 ARES/RACES net. 28.350 Mhz.

### G.C.A.R.C. MEETINGS

#### **General Membership;**

- \* 8 PM, 1<sup>st</sup> Wednesday of every month
- \* Deptford Elks Lodge, Highland Ave.  
1 block from Egg Harbor Road

#### **Board of Directors;**

- \* 7:30 PM, 3<sup>rd</sup> Wednesday of every month
- \* G.C.A.R.C. site, Harrison Twp. 4-H  
Grounds, approximately 1 mile  
south of Mullica Hill, on Rt. 77..

**Crosstalk Article  
 Deadline for July Issue:  
 8PM, Sunday,  
 June 27!**



# President's Message

Ah, June. The mere name of this month conjures up images of relaxing in the back yard, driving to the shore with the top down, outdoor weddings, vacations, and of course, contests. Contests? CONTESTS!



If you have never participated in Field Day, why not stop out and see what the fun is all about. Contests are not everyone's "cup of tea", but like the Superbowl, it has a completely different feeling. Almost a life of its own.

In fact, June plays host to "the mother of all contests" - Field Day. This national exercise in emergency communications, innovation, ingenuity and caffeine consumption is a long-standing tradition for our hobby. Two weeks before this, however, is another contest; the VHF QSO Party. Mountaintops, tall buildings and out-of-the-way places suddenly sprout antennas for the weekend. If you have a transverter gathering dust, haven't/fired up/ the 6 meter rig lately or want to try out the SSB mode on your 2 meter rig, now's your chance.

This year we have the potential of a really great Field Day effort. With enough participation on YOUR part, the club could have a significantly high score. Contact Steve, N2GVR and offer your services. Even if you only have a few hours to help, I'm sure it would be welcome.

Assisting the club with Field Day will also let you see some of the handywork of Ed, KB2ODJ and his "crew". Already some internal improvements have been made to the site and, if the weather gods bless us, a new coat of paint should be on the trailer by the time Field Day rolls around. Be the first on your block to see it. Better yet, call Ed and see if he could use YOUR assistance. Maybe if we video the event, we can be on "This Old House".

June also brings the start of Summer Vacations. Hopefully, as you travel to Wherever, USA, you will be as welcome on the local repeaters as (I hope) we try you make others feel welcome when they are "passing through" on ours.

Don't forget the sunscreen!

Cory

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## Something To Think About:

1. While KE2SC was out hunting, he saw a bear due east. Surprised, he ran north, and turned to see the bear had not moved. He regained his composure and shot it by aiming due south. What color was the bear?
2. KN2U wears a clean shirt every day. If he goes to the dry cleaners to drop off his shirts and picks up the previous week's shirts every Friday, what is the minimum number of shirts he must own?
3. How can K2JF have his head upwards and his feet upwards at the same time?
4. N2PLE starts out on a DXpedition, and eventually returns to the place he started. During his journey his head has traveled 12 yards further than his feet, yet his head remains attached to his body. (lucky for Cliff) How is this possible?

The answers will be posted at the next meeting. More to come in July...

BCNU, Cory

Open 7 A.M. to 1 A.M. (609) 228-5166



**Fine Selection of Gourmet Food**

**Steaks • Chops • Seafood**

**Cheesecake**

Rte. 47 & 41 Deptford Township  
Conveniently Located at  
5 Corners Intersection  
P.O. Box 392 Sewell, NJ 08080

Ample Parking

EVERYONE READY  
FOR FIELD DAY?!



## JUNE CLUB MEETING VIDEO PRESENTATION

ARE YOU INTERESTED IN DX? Do you think of visiting far off lands? Are you adventurous and courageous? If you fit this criteria, you are a candidate to participate in future DXPEDITIONS!

But before doing so, you should attend our June General Membership Meeting. Thanks to the courtesy of a sister radio organization, the Frankford Radio Club, the program in June is a video documentary of a recent DXPEDITION to the South Sandwich Islands. These islands are located in the South Atlantic, within an area commonly referred to as the 'most hostile region in the world'.

Come join us for the presentation. Determine if you would prefer to work DX in the comfort of your shack, or if you have what it takes to join these stalwart chaps. However you decide...

**BEST OF LUCK**

73, K2OWE, Jim

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## NEW MEMBERS!!

The G.C.A.R.C. will welcome the following new members at the June general membership meeting:

Richard Connor..... (E)	WC2K.....	Tabernacle
Harry Gindhart..... (T+)	N3OQE.....	Glen Bernie, MD
Neil Fogliani..... (E)	N3JAH.....	King of Prussia, PA
William King..... (T+)	N2STQ.....	Pitman
Albert Freitag..... (N)	KB2PXV....	Franklinville
David Allin..... (T+)	N2TVR.....	Sewell
Richard Oehrle..... ( )	N/C.....	Deptford

Welcome, from the membership of the G.C.A.R.C.!!

73, KB2ODJ, Ed  
Membership Chairperson

### Advertising for the Crosstalk?

- OR -

### Publicity for the G.C.A.R.C.?

Send the information to:

Jacob Freedman - N2MPN  
517 Devon Rd.  
Moorestown, NJ 08057

Or call: (609)235-3819

## NEW JERSEY CALLSIGN PLATES... For Motorcycles?!?

On April 7, 1993, the New Jersey Division of Motor Vehicles, Special Plates Unit (SPU), reversed a policy of not issuing amateur callsign license plates for motor cycles. The first set of plates issued were received three weeks later by G.C.A.R.C.'s own Fred Munzenmayer, KB2BF!!!

This resulted from lengthy efforts by Fred for the SPU to review their policy in interpreting the statute:

### 39:3-27.5 Amateur Radio Call Signs on Registration Plates

The director of the Division of Motor Vehicles shall cause to be issued to applicants who hold amateur radio licenses issued by the Federal Communications Commission, registration plates for motor vehicles bearing the amateur radio call letters of the respective applicants. Where such call letters consist of less than six letters, the director, upon request, shall cause to be issued duplicate plates, with such marks as the director may deem to be appropriate to distinguish them from the original plates, for any additional motor vehicles which an applicant may register.

The definition of "motor vehicle" in Motor Vehicle and Traffic Laws of New Jersey, Title 39 of the Revised Statutes plus related statutes, 1993, is:

"Motor vehicle" includes all vehicles propelled otherwise than by muscular power, excepting such vehicles as run only upon rails or tracks and motorized bicycles.

Previously, the stated policy was that this did not apply to motorcycles. Apparently this information has been given as long as call letter plates have been issued.

There is a limit of 5 letters that can fit on a motorcycle plate due to size. If you have a 5 letter call and a set of call letter plates on your car, you must change the car to conventional plates (a good time is renewal) and apply as follows:

Cycle: XX2XX Car.: XX2XX -2

If you have a 4 letter call, the cycle can be X2XX -2 or XX2X -2.

The vehicle must be registered to the holder of the amateur call (not a spouse) and a copy of the valid amateur license is required. There is a one time fee of \$10 in addition to the normal registration fee, but subsequent renewals are at the normal rate. Contact the Special Plates Unit and request amateur license plate forms (one for each vehicle) at (609)292-0800. The phone is usually very busy and mornings are best to get through or try the mail. Rose Bartolini is the supervisor and should be helpful if the person you get is not familiar with this information.

73... de Fred, KB2BF

**WAY TO GO, FRED!!**

# LOOK OUT!

From: W6MEO@KC6PJW.#NOCAL.CA.USA  
 To : COPYOW@ALLUS

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## BEWARE THE NEW COPYRIGHT STATUTE by David M. Ostfeld.

The new Public Law 102-561 substantially revises all criminal provisions involving copyright infringement, including that of computer software. If you think you are not a criminal, you may be surprised by the new statute!

No one is sure whether all computer owners in the US may eventually be found to be felons, but it is hoped the law will be used to suppress only large-scale pirates. You may have already seen ads offering rewards for turning in friends and neighbors who could fall under the statute's broad provisions.

A FELONY, punishable by 5 years/\$250,000 to illegally reproduce or distribute for gain or advantage during any 6-month period:

- \* Ten or more copies, or one copy of ten or more works, or any combination, of copyrighted works,
- \* Whose retail value exceeds \$2500,
- \* When the reproduction is "willful."

Those of you who have made fewer copies than are worth \$2500, take no solace in that. You may still not be safe. Section b(3) says that although you may not be a felon nor imprisoned for more than year, you could still serve up to a year and be fined \$250,000!

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 Portions reprinted, with permission, from THE INSTITUTE, page 7, May/June 1993 (C) 1993 IEEE.

+++++===== END +++++=====

Believe it! Law applies to all intellectual property, not just computer data. You don't have to be a big violator to be used as an example - you just have to be caught & ignorance is no excuse. Now, do you still want a bootleg copy of that service manual??

>73 de Allan W6MEO@WX3K.#NOCAL.CA.USA  
 {13/MAY/93, 23:13:46Z}

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Have YOU volunteered yet for Field Day duties?

Give a hand and help out with set up, or take down if you don't want to operate!

Help out those in the Club who do want to work Field Day, but need a little help getting things set up.

## Your Attention, Please!

The Scholarship Committee is pleased to announce that Marjorie Casto, daughter of Club member Jim Casto, N2IMH, is this year's recipient of our \$500 scholarship award. Marjorie, a senior at Our Lady of Mercy Academy, will attend Cabrini College in Pennsylvania where she plans to study communications.

Our congratulations to Marjorie and our very best wishes for her career.

For the Scholarship Committee

Greg Potter (WN2T), Chairperson

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## REPEATER MAILBOX SLOTS As Of May 23, 1993

01:	SYSTEM USE	21:	WA2TML	41:	WA2IBZ	61:	N2SRO
02:		22:	N2FNF	42:	N2AKL	62:	N2FKT
03:		23:	KC2PC	43:	WA2YLC	63:	KA2OSW
04:		24:	K2JF	44:	K2RCH	64:	N2FKS
05:		25:	W2PAX	45:	WR2THM	65:	WR2CAK
06:	KF2AW	26:	N2ASV	46:	KA2DZF	66:	WB2DXB
07:	KA2ZRN	27:	WB2OZE	47:	WA2QOY	67:	WA2ZND
08:	N2KLD	28:	N2NLE	48:	N2TOI	68:	KB2GTV
09:	KB2AYU	29:	K2OWE	49:	KD2CR	69:	
10:	N2KDU	30:	KB2GW	50:	WA2USI	70:	KN2U
11:	AA2DJ	31:	WB2LNR	51:	WA2UDO	71:	N2DWR
12:	KE2WC	32:	KB2ODJ	52:	KE2ES	72:	KB2ETV
13:	N2KLE	33:	N2FJQ	53:	N2PKV	73:	WA2SIT
14:	AA2BN	34:	WB2HVJ	54:	WA2TOP	74:	N2DUZ
15:	WA3UVV	35:	W2SPN	55:	K2PQD	75:	
16:	N2HYS	36:	WA2GFK	56:	KA2OSV	76:	N2IVN
17:	KA2DOT	37:	WA2FGA	57:	W2DWE	77:	KB2COB
18:	N2MOO	38:	WB2OYQ	58:	N2DIJ	78:	SYSTEM USE
19:	N2LZS	39:	KA2KMW	59:	N2AYK	79:	SYSTEM USE
20:	KE2SC	40:	KZ2N	60:		80:	SYSTEM USE

# Where in the Cycle Are We?

WE ARE FREQUENTLY asked for the "Big Picture", that is, our position in the current solar cycle. Here is a quick look at where we are.

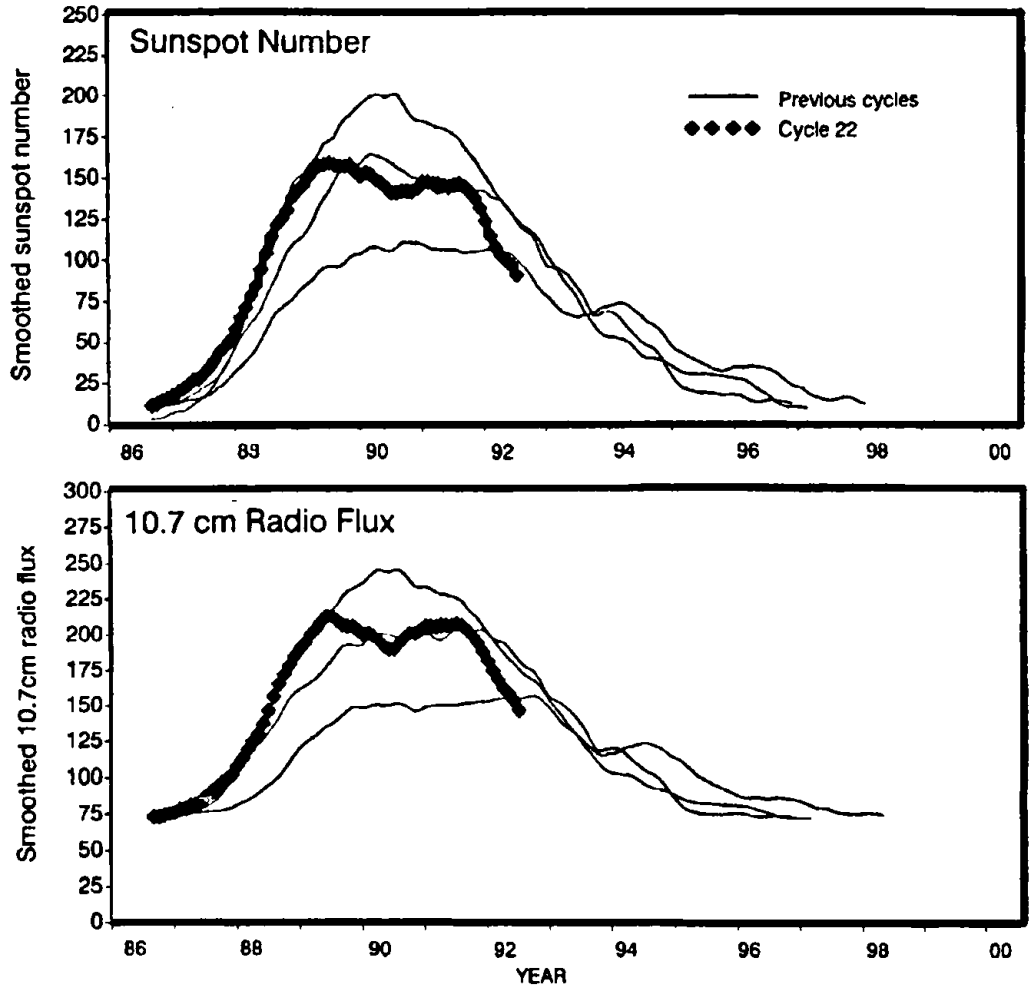
We are at month 77 of Solar Cycle 22 and in the declining phase of this cycle. Sunspot maximum was in July 1989; the smoothed sunspot number was 158.5. The 10.7-cm flux maximum was 213.1 in June 1989, but it peaked again at 207.7 in July 1991. We abruptly left maximum in early 1992.

We're in declining part of the cycle where the chance of major flares is less, but coronal holes are more common, which results in more recurrent geomagnetic activity (more about this later).

All indicators suggest that sunspot minimum will be in 1996. Cycle 23 is expected to be a larger cycle than the average, and to be somewhat shorter than average, last roughly 10 years.

//Note: Thanks to K2JF for the above article from the Space Environment Laboratory.//

Solar Cycle 22 Compared to the last 3 Cycles




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## Employment Opportunity

Help Wanted! Great Job Opportunities! Positions available include:

- |                    |                          |
|--------------------|--------------------------|
| Operators          | Data Recorders (loggers) |
| Antenna Engineers  | Transportation Experts   |
| Construction Crews | Safety Supervisors       |
| Tree Climbers      | Sanitation Workers       |
| Cooks              | Communications Experts   |
| Publicity Managers |                          |

As well as many entry level positions.

Benefits Package Includes: insurance; gourmet food; outdoor life. You can enjoy your work and make loads

of friends, while contributing to the National Emergency Preparedness. Full or Part time opportunities are available with *special* benefits for night work. Flexible hours are available... anytime from Friday, June 25<sup>th</sup>, 1400 to Sunday, June 27<sup>th</sup>, 1700. (All times are Eastern Time!)

Location: G.C.A.R.C. Club Site.  
4-H Grounds, Route 77, Mullica Hill.

The Employment Agent can be reached anytime, 24 hours a day, Ask for Steve, N2GVR

73... N2GVR, Steve  
Field Day Chairperson

# ATLANTIC DIVISION LICENSE TEST SESSIONS

JUNE, 1993

Confirm all information with the contact person  
before appearing for a test.

## >> SOUTHERN NJ

17 Bellmawr, 6:15 PM.

Bill Helmetag, (W5YI)

## >> DELAWARE

12 Dover, 9 AM. Kent County ARC.

Bob Baker, (ARRL)

19 Wilmington, 9:15 AM. AWARE.

Giselle Walls, (ARRL)

## >> EASTERN PA

3 Levittown, 7 PM.

Dave Heller, (W5YI)

3 Philadelphia, 6 PM. Phil-Mont MRC.

Dusty Rhoads, (ARRL)

4 Nazareth, 7 PM. Delaware-Lehigh ARC.

John Greenage, (ARRL)

5 Levittown, 10 AM. Penn Wireless Assn.

George LeNoir, (ARRL)

9 Scranton, 7 PM. Scranton-Pocono ARK.

Art Sposto, (LAUREL)

12 Shrewsbury, 10 AM. S. York Co. VEs.

Carol Kirschman, (ARRL)

17 East Stroudsburg, 7 PM. Pocono ARK.

Steve Gajkowski,

17 Lancaster, 7 PM. Red Rose Rptr Assn.

Carl Denlinger, (ARRL)

19 Middletown, 9 AM. Harrisburg RAC.

John Obradovich, (ARRL)

21 Telford, 6:30 PM. RF Hill ARC.

Warren Erdman, (ARRL)

**73 and good luck on your upgrade de**

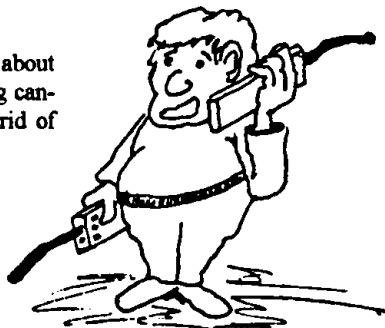
**Hugh Turnbull, W3ABC**

**Director Atlantic Division ARRL @ WA3ZNW**

**Kay Craigie, WT3P**

**Vice Director Atlantic Division @ WB3JOE**

You hear that report about  
cellular phones causing can-  
cer? Well, I just got rid of  
mine!



(Page: 5)

## SUPER EASY GROUND ROD

The main purpose of equipment, system grounding is to insure that all masts, towers, enclosures, cabinets, ect. are at ground potential. This reduces the Possibility of electrical shock to personnel coming into contact with metal parts of the system.

The secondary function of this grounding is to improve the operation and service of the system configuration. Faulty ground returns are detrimental to these functions and can result in intermodulation effects and noise/voltage buildup with there associated false signals, signal distortion and service interruptions.

Considering the characteristics of the soil in South Jersey, I have found the following ground rod to be effective as well as inexpensive and easy to install. I came up with the idea when I saw the Landscapers run a PVC pipe for my lawn sprinklers under my driveway.

The size of the available hose determines the size of the pipe or vice versa. Procure a ten foot length of copper water pipe (1/2" or 5/8") and two end caps,(cost about 5 or 6 dollars) connect your garden hose to one end and secure with a small hose clamp. make a small starter hole about 6" deep with a trowel or whatever. turn the water on let it do the work, insert the open end of the pipe into the starter hole, the water will move the dirt out of the way and the pipe should go in easily. I was able to sink mine about 8ft in 4 min. At that point the earth was grabbing the pipe too tightly to proceed further. I disconnected the hose,placed an end cap on the pipe and used a rubber mallet to drive it the last 1 1/2ft.. If you decide to trim the pipe after you reach the desired depth you may need the second end cap,(the first one, if you used something other then a rubber mallet won't come off ).

Use heavy ground wire (braided), or at least 1/4" copper tubing to connect the ground rod to the mast or tower. Above all remember "Ground IS NOT Ground the world around" and all your equipment should be connected to a single ground source.

73 de JOHN N2PKF

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## Let's all pitch in and help out!

Summer is almost here, and Ed, KB2ODJ, is looking for some help to do work at the Club site! These improvements/changes are for all Club members, not just a few!!

How about giving him a couple of hours after work, on Saturday or maybe even Sunday. The site belongs to the Club, and even more, it belongs to the Club Members!

# ARRL BULLETINS, ETC...

QST de W1AW  
ARRL Bulletin 51 ARLB051  
From ARRL Headquarters  
Newington CT May 6, 1993  
To all radio amateurs

## NOVICE EXAMS BY VECs

The FCC has placed Novice Class examinations under the Volunteer Examiner Coordinator program. As with other class amateur license exams, responsibility for both preparation and administration of Novice exams will lie with the VEC system, in the interest of integrity, simplification and efficiency, the FCC said today.

The commission also will allow recovery of out-OF-POCKET costs for coordinating and administering Novice examinations.

The examination elements required for the Novice license are already being administered in the VEC system because they are also requirements for other classes of amateur operator licenses.

The FCC said that placing Novice examinations under the VEC system would avoid confusion caused by having two different systems result in fewer errors in exam administration and in paperwork (including allowing simplification of the FCC Form 610) and improve the availability of overall data on examinations.

This action, in PR Docket 92-154, was taken May 3. No effective date for implementation was announced.

NNNN

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QST de W1AW  
ARRL Bulletin 59 ARLB059  
From ARRL Headquarters  
Newington CT May 21, 1993  
To all radio amateurs

A joint resolution of congress to recognize the achievements of radio amateurs, and to establish support for radio amateurs as national policy, was introduced in the house on May 20 as H. J. RES.199. It is identical to S. J. RES. 90, introduced in the Senate on May 7.

House sponsors of the measure are Representatives Mike Kreidler of Washington and Jim Cooper of Tennessee. They have been joined by 15 additional co-sponsors.

NNNN

QST de W1AW  
ARRL Bulletin 58 ARLB058  
From ARRL Headquarters  
Newington CT May 21, 1993  
To all radio amateurs

## FCC FINES ARE FINE

A federal court judge in Washington, DC, has found for the Federal Communications Commission in a lawsuit in which the ARRL supported the FCC.

The suit, brought by Action For Children's Television and 20 other broadcasting and public-interest organizations, challenged the FCC's monetary forfeiture procedures in indecency cases. The League's interest in the matter, the ARRL said in a Friend-Of-The-Court brief, was to protect the interests of radio amateurs in effective FCC enforcement.

On May 18, U.S. District Judge Royce C. Lamberth granted an FCC motion to dismiss the plaintiffs' request that all indecency forfeiture proceedings currently before the FCC be dismissed as well as a commission motion to dismiss the major complainants in the lawsuit for "lack of standing."

In addition, Judge Lamberth granted the FCC's motion to dismiss the two other major points sought by the plaintiffs:

1. To find that the review procedures now used by the FCC cannot constitutionally be used to adjudicate alleged indecency violations under federal law and
2. To enjoin the FCC from initiating or conducting forfeiture proceedings for alleged violations of federal law concerning indecency.

The court did deny the FCC's motion to dismiss a constitutional claim by Infinity Broadcasting Corp. arising from a 1990 Notice Of Apparent Liability.

The entire case was ordered dismissed.

More information is in June QST, page 77.

NNNN

### **Articles for the Crosstalk?**

Send them to :

Harry Jessen - N2DUZ  
48 Prospect Ave.  
Erial, NJ 08081-2107

Or via packet: (145.070 Mhz)  
N2DUZ @KF2AW.#SNJ.NJ.USA  
- or -  
Connect to: N2DUZ-10

For the month of JUNE,  
we wish the following a



## Very Happy Birthday!

<u>CALL</u>	<u>NAME</u>	<u>DAY</u>
N2NLE .....	JOHN CLIVER .....	02
AA2GQ .....	THOMAS GRACIE .....	03
N2MPN .....	JACOB FREEDMAN .....	04
N2CQ .....	KENNETH NEWMAN .....	10
K2PQD .....	CHARLES SKETCHLEY .....	14
WA2TOP .....	MICHAEL LIZZIO .....	14
AE2L .....	JOSHUA BREHM .....	16
KB2ODL .....	LEROY BRADY JR .....	19
KB2EAH .....	ROBERT BUDD .....	21
N/C .....	ROBERT SANDERS .....	23
KE2SC .....	THOMAS MAWSON II .....	23
KB2GTV .....	NEIL GRIFFITH .....	24
N3OQG .....	HARRY GINDHART .....	26
N2PJV .....	EDWIN DATZ .....	29
H2SRH .....	WALTER CONOVER .....	30

Chas Sketchley, K2PQD  
Data Processing

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## CONTEST CORNER

Pretty Slim Contest Month:

**6 June...** Portugal Day Contest 0700 to 2400Z Fone only

**June 12 & 13th...** ANARTS WW RTTY. contest - Australian Amateur National teleprinter 0000Z 12 June to 2400Z 13th.

**June 19 & 20...** All Asian DX contest CW 000Z June 19 to 0000Z. June 20. If propagation decent should be able to get some nice prefixes from this one.

**June 26-27...** FIELD DAY. (Come on out. Check with Steve N2GVR)

A lil FONE, RTTY, & CW Something for everyone,

**June 6...** Normany Beachead landing.. *SPECIAL EVENT STATIONS*... commemorating June 6th 1944 Normandy beachead. Fone TM6PAX ..CW TM6JUN Info in June issue of QST.

73

CLIFF, N2PLE

## DX UP CLOSE & PERSONAL

**SPRATELY IS...** The 9M0 operation begins May 27th has announced some changes in operation Freqs. Watch 1827, 3502/3522, 7002/7022, 10102, 14022, 18072, 21022, 24892, and 28022 kHz on CW. 1827, 2792, 7062, 14195, 180102, 21295, 24932 and 28495 kHz on SSB

In the WPX CW contest May 29-30 they will transmit one kHz up from the band edge and may have two signals on same band. 20 meters offers best possibility for East coast 0930-1400 Z. Try both long & short paths. Also, some 17 meter short path openings 1800Z long path 0100z. Sprately Is 4th most wanted for East coast. QSL TO:

John Parrott W4FRU  
P.O. BOX 5127  
SUFFOLK VA. 23435

Summertime DX conditions exist now with 20 & 17 being main DX bands.

**ERITREA...** Is now independent from Ethopia. Anyone with Eritrea DXCC prior to Nov. 14 1962 delete date will most likely has credit (WFWL).

Any *Serbian* station using 4O or 4N will no longer count for DXCC credit after May 1st.

**YEMEN...** NOW 4W only (Use to be 7O)

June 1 OK, OM, 4N5, QSL's to DXCC Desk. (Do not submit before)

**ET3YU...** in spite of "Pirate Radio" printed card, should't be ignored, contacts made Feb 26, 1993, and later ET3YU counts for DXCC credit.

Anyone working A71CW 1300Z on March 26 1993 15 meters CW. Don't bother QSLing. SORRY. pirate.

**Bosnia-Hercegovina...** Now T9 prefix. Cards for Bosnia add to the address... via Split Croatia.

DXCC desk catching up-turn around now 7-9 weeks. FB.

Anyone with DX questions call my directory number after 1630 and I'll be glad to help. There are now 602,000 Amateur Radio licenses in U.S.A., over twice as many in JAPAN (Hmm).  
TNX TO QRZ DX..DX BULLETIN..& others.PS.

CW FOREVER

CLIFF, N2PLE









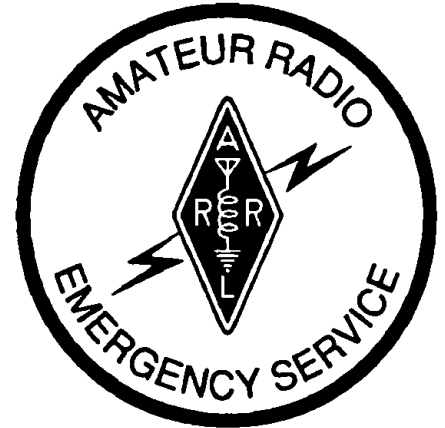
# May 30 - July 03, 1993

## G.C.A.R.C. & Amateur Radio Events



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>May 30</b> 8:00 PM ARES/RACES 8:30 PM 10 Mtr Net Hamfest - West Friendship, MD Pentecost	<b>May 31</b>  Memorial Day (Observed)	<b>Jun 1</b>	<b>Jun 2</b>  8:00 PM GCARC Gen. Mem. Mtg.	<b>Jun 3</b>	<b>Jun 4</b>	<b>Jun 5</b> * Hamfest - Rome, NY
<b>Jun 6</b> 8:00 PM ARES/RACES 8:30 PM 10 Mtr Net * Hamfest - Butler, PA * Hamfest - Tamaqua, PA	<b>Jun 7</b>	<b>Jun 8</b>	<b>Jun 9</b>	<b>Jun 10</b> Corpus Christi	<b>Jun 11</b>	<b>Jun 12</b>
<b>Jun 13</b> 8:00 PM ARES/RACES 8:30 PM 10 Mtr Net * Hamfest - Darien Center, NY Hamfest - Winfield, PA	<b>Jun 14</b> Flag Day	<b>Jun 15</b>	<b>Jun 16</b> 7:30 PM B.O.D. Mtg	<b>Jun 17</b>	<b>Jun 18</b>	<b>Jun 19</b> * Hamfest - Cortland, NY
<b>Jun 20</b> 8:00 PM ARES/RACES 8:30 PM 10 Mtr Net * Hamfest - Walkersville, MD  Father's Day	<b>Jun 21</b> Summer begins 	<b>Jun 22</b>	<b>Jun 23</b>	<b>Jun 24</b>	<b>Jun 25</b>	<b>Jun 26</b>
<b>Jun 27</b> 8:00 PM ARES/RACES 8:30 PM 10 Mtr Net	<b>Jun 28</b>	<b>Jun 29</b>	<b>Jun 30</b>	<b>Jul 1</b>	<b>Jul 2</b>	<b>Jul 3</b> * Hamfest - Wilkes-Barre, PA

WA2USI	Chick	N2LZS	Lou
KA2KMW	Ed	N2MWX	Dennis
N2DWR	Marla	N2NGQ	Lloyd
AA2BN	John	N2NLE	John
K2PHV	Herb	N2PKJ	Bill
K2JF	John	N2PKK	Peg
K2JJC	Ed	N3PKN	Tony
K2OWE	Jim	N2PKP	Mark
K2ZA	Jack	N2PKT	Lou
KA2CIZ	Norm	N2QEE	Gary
KA2DZF	Pete	N2QEB	Bill
KB2AYU	Al	N2SCD	Stan
KB2COB	Bob	N2SCE	Steve
KB2DHQ	Jerry	N2SRO	Mike
KB2EAH	Bob	N2SS	Tony
KB2EAI	Butch	N2SVN	Jim
KB2ETT	John	NY2J	Bob
KB2ETV	Jay	W2HWV	Wally
KB2ETX	Jeff	WA2FGA	Milt
KB2EUA	Merium	WA2GFK	Joe
KB2EUB	Patricia	WA2IBZ	Howard
KB2FRM	Earl	WA2PFC	Ed
KB2FRN	Joe	WA2TML	Chuck
KB2GL	John	WA2TOP	Mike
KB2GW	George	WA3UVV	Cory
KB2IRK	Wesley	WB2DXB	Sonny
KB2ODJ	Ed	WB2EFL	Herb
KE2ES	Tom	WB2HVJ	Norm
KE2SC	Skip	WB2LNR	Ray
KE2WC	Mark	WB2OCR	Rich
KF2IH	Mike	WB2OYQ	Walt
KN2U	Ken	WB2OZE	Jose
N2AIV	Jim	WB2VFX	Bill
N2AKL	Roslyn		
N2ASV	Russ	Net Control	_____
N2AYK	Ed		
N2CME	Peter		
N2DWK	Sam		
N2FJQ	Al		
N2FKT	Dam		
N2FNF	Irma		
N2HYS	Janice		
N2IMH	Jim		
N2IVN	Chris		
N2KLD	Mary Ellen		
N2KLE	Joe		
N2KWN	John		
N2LCP	Jackie		
N2LCQ	Diane		
N2LCR	Don		



The ARES Primary and Alternate Net Controls for the month of June will be:

<u>Date:</u>	<u>Primary</u>	<u>Alternate</u>
06 .....	N2KLE .....	N2KLD
13 .....	N2PKJ .....	N2PKT
20 .....	N2QEE .....	N2QEB
27 .....	WA2HVV .....	WA2IBZ

Thanks.... Chick, WA2USI

# US AMATEUR BANDS







Revised Sept 1, 1991

## US AMATEUR POWER LIMITS

At all times, transmitter power should be kept down to that necessary to carry out the desired communications. Power is rated in watts PEP output. Unless otherwise stated, the maximum power output is 1500 W. Power for all license classes is limited to 200 W in the 10,100–10,150 kHz band and in all Novice subbands below 28,100 kHz. Novices and Technicians are restricted to 200 W in the 28,100–28,500 kHz subbands. In addition, Novices are restricted to 25 W in the 222.1–223.91 MHz subband and 5 W in the 1270–1295 MHz subband.

Operators with Technician class licenses and above may operate on all bands above 50 MHz. For more detailed information see The FCC Rule Book.

## KEY

-  = CW, RTTY and data
-  = CW, RTTY, data, MCW, test, phone and image
-  = CW, phone and image
-  = CW and SSB
-  = CW, RTTY, data, phone, and image
-  = CW only

- E = AMATEUR EXTRA
- A = ADVANCED
- C = GENERAL
- T = TECHNICIAN
- N = NOVICE

† Only Technician-class licensees who have passed a 5-WPM code test may use these frequencies.

\*\* Geographical and power restrictions apply to these bands. See The FCC Rule Book for more information about your area.

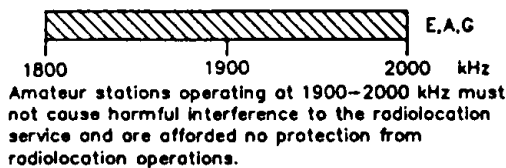
## Above 23 Centimeters:

All licensees except Novices are authorized all modes on the following frequencies:

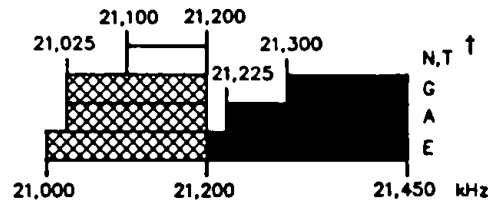
- 2300–2310 MHz
- 2390–2450 MHz
- 3300–3500 MHz
- 5650–5925 MHz
- 10.0–10.5 GHz
- 24.0–24.25 GHz
- 47.0–47.2 GHz
- 75.5–81.0 GHz
- 119.98–120.2 GHz
- 142–149 GHz
- 241–250 GHz
- All above 300 GHz

For band plans and sharing arrangements, see The ARRL Operating Manual

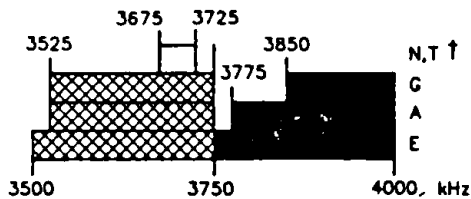
### 160 METERS



### 15 METERS



### 80 METERS

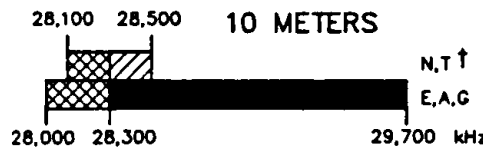


5167.5 kHz (SSB only): Alaska emergency use only.

### 12 METERS

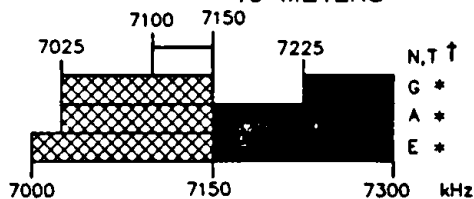


### 10 METERS



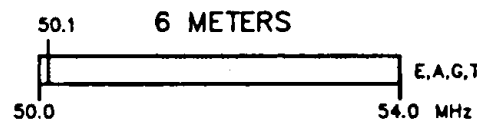
Novices and Technicians are limited to 200 watts PEP output on 10 meters.

### 40 METERS

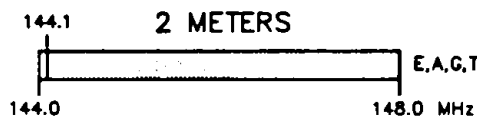


Phone operation is allowed on 7075–7100 kHz in Puerto Rico, US Virgin islands and areas of the Caribbean south of 20 degrees north latitude; and in Hawaii and areas near ITU Region 3, including Alaska.

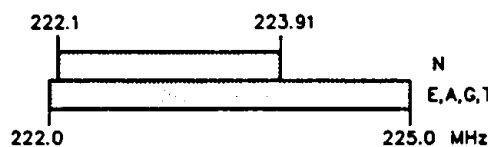
### 6 METERS



### 2 METERS



### 1.25 METERS



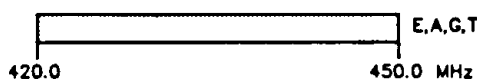
Novices are limited to 25 watts PEP output from 222.1 to 223.91 MHz.

### 30 METERS

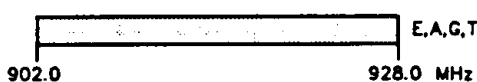


Maximum power on 30 meters is 200 watts PEP output. Amateurs must avoid interference to the fixed service outside the US.

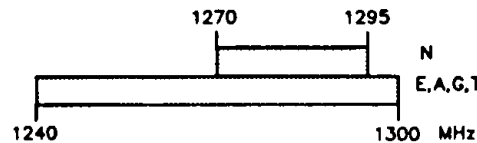
### 70 CENTIMETERS \*\*



### 33 CENTIMETERS \*\*

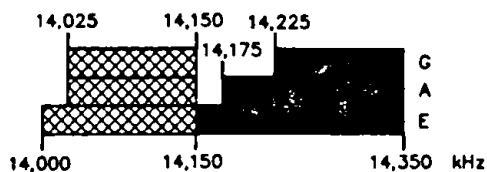


### 23 CENTIMETERS \*\*



Novices are limited to 5 watts PEP output from 1270 to 1295 MHz.

### 20 METERS



### 17 METERS



**Purpose:** · Clarification of the process required for changes to the Constitution of the G.C.A.R.C.  
· Addition of a 'Constitution Committee' as one of the standing committees.

**Scope:** Affects amendments, alterations or abrogations to the Constitution which are currently covered in Article IX. Affects also, the standing committees which are defined in Article II, Section 2.

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## PROPOSED AMENDMENT TO THE G.C.A.R.C. CONSTITUTION

**Date:** April 04, 1993

**Amendment:** 1993-01

The following amendments to the GCARC Constitution, dated October 4, 1989, is submitted for approval.

### Part 1:

#### **Article IX - Amendments**

This article shall be abrogated in it's entirety, and the following entered in it's place.

#### **Article IX - Constitutional Amendments, Alterations & Abrogations**

**Section 1:** Amendments, alterations and abrogations to the GCARC Constitution shall be presented for approval at two successive General Membership meetings once the following criteria has been met in the order presented:

- 1: The originator of the proposal shall present it in written form to the Chairperson of the Constitution Committee.
- 2: The GCARC Constitution Committee shall write the proposed change to the Constitution insuring that:
  - a: it meets the desires of the originator.
  - b: it does not violate any other areas of the Constitution or Bylaws.
  - c: the finished proposal is in proper format for presentation.
- 3: Each proposal submitted to the committee shall be assigned a sequential number which will be made up of the year followed by a dash and a number beginning with 01 for each year. (i.e. 1993-01)
- 4: The proposal shall than be returned to the originator who is responsible for obtaining the 15 signatures required. The originator has 60 days to obtain the required 15 signatures beginning the day the proposed amendment is returned to the originator by the Constitution Committee,
- 5: Once the originator has obtained the 15 signatures from full members in good standing, the proposed amendment is it be returned to the Constitution Committee, or one of the elected CLUB officials who will insure that it is distributed to the membership as required below.

**Section 2:** Each member of the GCARC in good standing shall receive a written copy of the proposal, once the 15 signatures have been collected and before the first reading at a General Membership meeting. This notification shall be made in either a separate mailing by the recording secretary or in the monthly publication of the CLUB (Crosstalk).

**Section 3:** The reading of the proposal shall be made at two successive General Membership meetings by a member of the Constitution Committee, or in their absence, by one of the elected officials of the CLUB.

**Section 4:** The general membership shall vote on the amendment immediately after the second reading at the General Membership meeting. The proposal shall be adopted if seventy-five percent (75%) of the votes cast are in favor of such action. Votes shall be taken by either a show of hands or secret ballot. Votes shall indicate for, against or abstaining.

**Section 5:** If the amendment is approved by the membership, it will take effect immediately.

## **Part 2:**

Currently reads....

### **Article II - OFFICERS AND THEIR DUTIES**

**Section 2.** It shall be the duty of the President to preside at all meetings of the CLUB. The President shall be the chairperson of the Board of Directors. The President shall have the power to implement the will of the Board of Directors in executing the desires of the general membership, subject to the limitations of the Constitution and the By-Laws of the CLUB. The President shall appoint, from the membership, the following Standing Committees and other committees deemed necessary: Membership, Publicity, Hamfest, Repeater Technical, Repeater Business, Hospitality, Club Site, Field Day, Nominations, Health and Welfare and Budget. The President shall be an ex-officio member of all Committees. The President shall be a co-signer of all checks drawn upon the CLUB's accounts.

Article II, Section 2, shall be amended by the addition of a Constitution Committee as one of the standing committees...

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