

CROSSTALK -- Official Publication of the
 GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD
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Hamfest: Harry Spiece, NJ2B	DX: John Fisher, K2JF
Field Day: Art Strong, KA2DOT	A.R.E.S.: Harry McCormick, WA2SEA
Legislative: Chuck Ellis, KB2AZW	Publicity: Joe DiNovi, WA2GFK
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VHF: Ray Martin, WB2LNR	Banquet: Virginia Macrie, KA2ZZA

CROSSTALK STAFF

Tony Starr, WA2FZB	Editor	John Fisher, K2JF	Circulation
Ed Sumek, W2GSN	Publisher	Jim Mollica, K2OWE	Circulation
John Zaruba Jr, WB2VOH	Courier	Len Kravitz, KD2CR	Circulation

AREA NETS

GCARC RTTY NET:	Tuesday,	8:00 PM 147.78/18 Rptr
ARES NET:	Sunday,	8:00 PM 147.78/18 Rptr

Club Repeaters: 147.78/18, 223.06/224.66, 447.10/442.10

General Meeting: First Wednesday of each month at the V.F.W. Hall in Woodbury, NJ. Meetings begin at 8:00 pm sharp.

Contributions: CROSSTALK, Tony Starr,
 Deadline: Ten (10) days before each general meeting.

PRESIDENT'S MESSAGE -- JUNE 1987

Many thanks to Ed Sumek and Harry Jackson for organizing the Walk-a-thons and Bike-a-thons, to those who were able to come out and lend a hand. Also on May 9th there was a work party to clean up the area that we took the trailer from. Although it was a lot of work, we had a nice morning. My gratitude to Al Trueblood, John Fisher, Ed Wargo, Ed Sumek, Harry Spiece, Bernie Onachila, Charlie Sketchley, Merrill Brown, Sonny Gutin, Ray Martin, Laura, Michelle and myself. Thanks guys, you did a great job.

The Scholarship Committee has met and started putting ideas together and should have some progress to report for the July meeting.

John Zaruba, Jr. is still planning a club project, but because of a change in the plans, there will be a slight delay.

As you know Field Day is rapidly approaching. Don't be a stranger stop out, give us a hand in racking up some points. Or just come out for moral support. Don't forget the dates -- June 26th and 27th.

As the club grows there becomes more interest in many facets of Ham Radio. Be it Packet, Radio Teletype, Slow Scan, Fast Scan, Television, Satellite Communications or DX, if any of these or some other facet is your specialty, consider sharing it with fellow club members by writing in Crosstalk or speaking at a meeting.

In the last month we had two very active club members resign as Corresponding Secretary and Director. I am sorry they resigned as they have both been such a help to me.

To date, we still need a Corresponding Secretary to finish the year. Would someone please volunteer for this position?

At the close of this message let us all remember Robbie, W2UNI. He surely will be missed by all.

Congratulations to Marla and Ken Bozarth, they are the proud parents of another healthy son.

Respectfully,
Virginia Martin, N2FJM
President

NEW MEMBERS

Gary Lau, KB2BYL - General
Michael Blasenstein, KB2CIJ - Novice
Robert Feldwith, KB2BYM - General
Robert Dodge, N2BAP - Advanced

MEMBERSHIP NOTES

Congratulations to Ken (KN2U) and Marla (N2DWR) Bozarth on the birth of their new son on May 19th. Last heard, that mom and son are doing fine, but pop sounded like a wreck.

June 26th this year is a special day for not just the Club but also for one of our members. Bill Godfrey, WB2VFX, is tying the knot. I didn't think tying the knot was so special, as we do it many times for putting up antennas, but Bill and his YL, Betty, are tying the "matrimonial" knot. They plan to be married at 4pm on the 26th, and knowing Bill and Betty for some time now, I think we will see them quite a bit at club functions.

De Art - KA2DOT

FIELD DAY '87

This year, we have the opportunity to gain some extra points, as the ARRL has included the MARS stations as part of Field Day. The first MARS contact counts for 100 additional points and any contact after that will be a normal QSO point. The list of these frequencies will be included in the Band Chairman packages for Field Day.

Log sheets and dupe sheets for all operating stations are going to be due in by the club meeting on July 1. They are to be postmarked by July 28th, for the ARRL and we want to make sure everything is done correctly before it's mailed off.

We need someone with a truck, who can bring the tower and related equipment out to the site on Friday night. Also, someone with a large trailer hitch who would be willing to tow the generator down on Saturday morning, if need be. Normally, Bellmawr delivers the generator to us, but if there is a problem with that this year, we will have it covered.

We sincerely hope that this year we will not encounter the same problem with cleanup as we did last year. It's a well known fact that we all put out a great deal of effort scoring points and lose a lot of sleep in doing so, but we mustn't forget that we make a mess in the process. This year let's all muster up that last bit of energy, after we have packed up, and give the site a real good cleanup. It really is something that has to be done.

Last but not least, come out to Field Day! We don't care how experienced or inexperienced you are, come out. Participation, great or small, is what's needed to make this event a success. Field Day is not comprised of only experienced operators, but of people who contribute in many ways regardless of their experience. Whether you're a new Novice or long time Extra, come on out and participate. Then,

when QST comes out with the official scores, you'll know that you helped your club get those points.

Band Chairmen:

80 cw - Open
 75 ph - Tony, WA2FZB
 40 cw - Ken, N2CG
 40 ph - Wayne, WA2LET
 20 cw - Ray, WB2LNR
 20 ph - Art, KA2DOT
 15 cw - Open
 15 ph - John, WB2VOH
 10 cw - Open
 10 ph - Dan, N2FKT
 6 cw - Open
 6 ph - Tom, WA2KOB
 2 ph - Joe, WA2GFK

Those are the bands as they stand right now. It's not too late to take a cw band yet, and if anyone is interested in taking one, contact either one of us.

See you at the meeting.

73's de Art, KA2DOT & Jerry, WB2CAK

The mercury is rising. The summer solstice is approaching. You start to get itchy. On No! You are infected with that condition that has been diagnosed as Field Day.

I first developed the condition at Field Day 1986. I was just going to camp out for the weekend to keep the old man company. He told me that if I got bored the mall is nearby and I could go shopping. That sounded good to me!

We set up camp on Friday night and had a nice group discussion with the early birds. Saturday morning arrived and with it the invasion of various campers, tents, radio equipment and that interesting group of people, hams.

Watching that portable tower being cranked up looked interesting and the next thing I know I'm holding a guy line! The countdown to 1400 hours is approaching, I think I'll listen to a little of the contesting since I'm here. Sure, I'll help log and check for duplicates for a while. Darkness closes in around us. I'm not tired yet are you? Ok, we can catch a little nap. Dawn arrives, time to get back to work. The deadline approaches. Let's try for one more contact. Contest is

over. Time to dismantle and pack up for the trip home. I had fun! See you next year.

Next year is here. I will be there, will YOU?

73, Beth Barnish

P.S. - Jerry, what happened to the shopping?

NOTICE: The license classes at Bellmawr are coming to a close in a few weeks and if all goes well, I should be licensed by the June meeting. Many thanks to the staff of volunteers who are teaching the classes, you are doing a great job. Also thanks to all of you club members who have been supportive in my quest for my license. That little extra nudge always helps! I have always been impressed by the friendliness of the club ever since I first came out to the meetings as a guest. It was this club that made me want to become a ham and to get involved in all the activities that go along with the privilege. Thanks again and keep your fingers crossed!

73 and 88, Beth

INTERVIEW WITH A HAM

From one extreme to the other; our last interview was with one of our original club members, long time Ham and a male, this month it's one of our newer members, female and a recently licensed Ham.

This month I had the pleasure of interviewing Virginia Macrie, KAZZZA, of Hammonton. Virginia is the daughter of another club member, Robert Houck, Jr., K2JOL; and the sister of Raymond Houck, WB2AHC, also a club member; and Robert Houck III, WB2ICU.

Virginia was born in Landis Township, which is now part of Vineland. I promised I wouldn't tell her birthdate. Virginia attended school in Landis Township and graduated from Vineland High School. She furthered her education with courses at Atlantic County Community College, Pierce Business School, and studied computer programming at a local technical school.

At present Virginia is employed by the U.S. Postal Service in Hammonton.

Several years ago, Virginia developed an interest in radio and became a SWL, she is still a registered member of Speedx, Frenx and the North American Short Wave Listeners Club.

From an SWL, Virginia's interest led her to start studying for her

Amateur license, and in February 1986 became a Novice Class licensee, then in August got her Technician license.

Virginia is an active member of GCARC and is Chairperson of this years' Banquet Committee. In addition to our club, she is active in Army MARS and is a member of ARRL.

The equipment lineup at ZZA's consists of a Kenwood TS 430 with a Home Brew Antenna Tuner, Kenwood TW 4000A dual bander for 2m. and 440 MHz, a Commodore 64 Computer and an AEA 232 for Packet Operations.

Virginia can be found on 80, 40, 15 CW, chasing DX on 10m DDB, on 2m and 440 MHz FM, and occasionally on Packet. Most of her operating is on Sunday and Monday when not at work with the Postal Service.

In addition to Amateur Radio, Virginia enjoys fishing in her spare time.

Harry, WA2SEA

SWAP & SHOP

FOR SALE:

DRAKE R4C Receiver, T4XC Transmitter, AC4 Power Supply, MS4 Speaker and FS4 Synthesizer.

AMECO PLF-2 Preamplifier (not for transceiver use)

AUTEK MK-1 Memory Keyer

ELECTROVOICE Model 638 Hi Impedance Mike

DENTRON 'Super Tuner Plus' Antenna Tuner

TEN METER MOBILE RIG - RCA CB Co-Pilot converted 40 channel CB SSB rig. Covers 28,500 to 28,940.

All equipment is in excellent condition and includes manuals and some extras. Will consider selling T4XC without R4C. Will consider trades for 2 meter mobile equipment and 2/440 combined mobile equipment. Call Herb Schuler, K2HPV

LEGISLATION

As I write this I realize that tomorrow is the cut off date for comments on the loss of 40% of our 220 MHz band. I hope that many of you took the time to write the FCC telling them just how important that portion of the 220 MHz band is to Amateur Radio.

During the AMATEUR INDUSTRY MEETING held at DAYTON HAMVENTION several legislation issues were discussed. The following are some paraphrased statements and some direct quotes from that meeting:

Wayne Green/W2NSD of 73 Magazine and Dave Sumner/K1ZZ Executive VP of the League gave reports on the "220 THREAT". An advertisement was circulated showing the Aerotron (Raleigh, NC) already was selling commercial ACSB equipment for the 216-222 MHz band.

CRACKDOWN ON ILLEGAL CB EQUIPMENT:

US Marshalls, assisted by investigators from the FCC's NY office have confiscated \$7,500 worth of illegal CB radio equipment from Cargo Sales, Inc., of Rochelle Park, NJ. This action was part of a continuing enforcement program designed to ensure compliance with the FCC ban on manufacturing and selling CB linear amplifiers and other non-type accepted transmitters. An initial violation of this law is punishable by a maximum fine of \$100,000 and up to one year imprisonment.

On May 8th, Congressman Jim Bates and officials from the FCC's San Diego, CA office, publicly smashed unlawful CB radio transmitting equipment with a sledge hammer. The gear, which had been voluntarily forfeited to the FCC, was flattened by a tractor with a large roller. The forfeited equipment had a street value of about \$10,000. In 1984 and 1985, Bates introduced legislation in the house to curb radio interference in the San Diego area. The San Diego FCC office issued fines totalling \$6,375 to CB operators and stores during 1986.

Dave Sumner reported, during the AMATEUR INDUSTRY MEETING, on the 1992 WARC SHORT WAVE BROADCAST CONFERENCE that we'll have the authority to reallocate high frequency spectrum between 3.9 and 26 MHz. He discussed the perception of short wave broadcasters that they cannot solve their problems by the status quo. Sumner said the league is preparing for the "worst case scenario." Forty meter ham band appears to be the band most "under the gun."

73 Chuck, KB2AZW

SATELLITE NEWS

The Mir space station ensemble is now growing and is very visible from the ground with the naked eye in proper lighting conditions. The ensemble now consists of the Soyuz TM spacecraft, the Mir space station and the KVANT astrophysics module. Best viewing time is from 15 minutes to about 90 minutes past dusk and from 90 minutes to 15 minutes prior to dawn. The Mir Cosmonauts continue to use the powerful FM transmitter on 143.625 MHz for communications. It makes for interesting, easy listening even on an HT. Tnx The ARRL Letter and K2JF.

OSCAR 10

Oscar 10 will be available for LOW POWER use between MA 20 and 220 (copy the letters and numbers on the beacon) beginning May 15 UTC. QRP operation is mandatory due to the limited available spacecraft power. If the beacon begins to FM, all transponder operations must cease immediately. AMSAT nets are carrying the latest operating advice. General Beacon frequency 145.810 MHz. Translation frequency is 581.005. Example Uplink $581.005 - 145.905 = 435.100$ Uplink frequency (Tx up 435.100 - listen on 145.905). Frequency range Uplink 435.030 to 435.180 MHz. Tnx The ARRL Letter and K2JF.

You now have available RS-5, RS-7, Oscar-10, Oscar-12 (Japan) all are workable with 25 watts output and a 5 or greater element beam. RS5 and RS-7 are up Two (2) meters down 10 Meters and are operational with a HT on 2 and a standard Amateur or general coverage receiver capable of copying 29.500 MHz. Tnx The ARRL Letter and K2JF.

DX

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Well I hope all you Novices and Technicians are taking advantage of this very unusual sun activity that we have been having the last couple of weeks. Ten meters has really been hot for both Short Skip and DX. Here is your chance to get your states on 10 before the Solar Flux gets much higher and the Short Skip and E layer activity stops. We are definitely in the new Sun Spot Cycle, Cycle 22, and it is just going to get better for HF DX. The 20, 15, 12, and 10 meter bands are going to open up like you have not heard before for those of you who were not around for Cycle 21. Remember 12 meter band contacts COUNT FOR DXCC AND W.A.S. They do not count as CONTEST scores, so try the new band. "Try it, you'll like it".

OK. I was asked to help a little in the QSLing for some of the overseas DX. There are three ways to go:

(1) If you really want that QSL card bad, like 3Y1EE (Peter Island) why you find the QSL route from various places; just ask one of the DX fellows in the club, and you send an Airmail Self Addressed Envelope with your QSL card and a "Greenstamp" (A \$1.00 bill). This covers his cost of mailing to you his QSL card airmail. If the DX country has a local US manager, why you send him a SASE, and it doesn't hurt to put in an extra stamp.

(2) The second way is one that is used by quite a few DXer's for NON-CONTEST QSLing; that is to send ten (10) QSL cards for \$1.00 to N7RO. He is an "Outgoing QSL Bureau" and is very good in sending your cards to the DX station or the Manager of the DX station promptly and

efficiently. You may send to him some SASE's for him to keep on hand for you for the DX stations he manages.

(3) The Third way is to send your QSL cards to the ARRL outgoing QSL Bureau. Here you send your cards in heavy bunches and you must enclose your address label from your QST plus \$1.00 for handling. See the section called "QSL Corner" in your copy of QST for detailed information on mailing.

Ok, now that we got your cards out of the country, how do we get them back? Well, the first way was self explanatory, it was mailed back to you. The other way is to make sure you have envelopes at your DX bureau. For us it is: North Jersey DX Association, PO Box 599, Morris Plains, NJ 07950. Actually it is really better to send them \$10.00 and they will supply you with all the envelopes you will need, and then when you are near the end of your envelopes they will let you know. You will get a mailing about every 3 months from them, unless you have an extreme quantity. Then they will send them more often (that is why I said for Contests go through ARRL and then you will get your large quantity back through North Jersey). Remember, if you go through the ARRL you must be a member of ARRL.

If you start now and get into the "hang" of things, when the real Cycle 22 starts working you will be all set. If you need any help on this, please do not hesitate to contact me.

John, K2JF

DX FOR GENERAL AND ABOVE
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The twenty meter band has been very good. Open until way after midnight. Get up some AM (1200 Z) and put your beam over the North Pole. JA's and YB's, DU's, HL's, 9M's, VU's and a little later on the Russians come pounding in with Q5 S8/9 signals, then the rest of Europe. About 10:00 AM the 15 meter band starts to open up and that really gets going. Of course, the Caribbean and South America are in just about all the time on both 20 and 15, so you can pile up your countries for the DXCC award in no time. You do not need a KW to work those fellows; especially on CW. (Ask K2HPV and W2SPN). You can also get those fellows on SSB, and don't forget, find a clear frequency (ask QRL) and if no one answers try a CD and see what happens. For you Novices and Technicians, well I told you about 10 meters. Again, if you need help why not call on one of the DX boys, or listen and call us on the DX "call-out" frequency 144.930 simplex. If there are other subjects you want covered on DXing, why not let me know and I will try and give you the answers. Good DXing, see you in the File Ups.

John, K2JF

LETTER TO THE EDITOR

I would like to take the time to say thank you to Charlie Sketchley and his Help and Welfare Committee. I have known Charlie for just a short period of time, but what I do know is that he is a person who wants nothing more than to see a smile of gratefulness. Charlie has helped me a number of times with different problems in Ham Radio, from a simple dipole to alignment of the rig. I will continue to be a member of GCARC as long as there are members who are happy to donate a little of their time helping others, like me, who have questions. Hats off to you, Charlie and your whole group!

Merrill Brown, KA2SZA

FOOD FIELD DAY '87

SCHEDULE:

FRIDAY, JUNE 26

approx. 6 pm

set up food tent and most supplies

ice down soda and beer

SATURDAY, JUNE 27

approx. 7 am

start coffee

make hoagies

last minute pick ups for dinner

start approx. 3:30 pm

SUNDAY, JUNE 28

set up breakfast whenever helpers are available

clean up from 12 noon

NEEDED:

food tent delivery & club plastic recepticles for soda and beer
ice delivery

pick up donuts

2 helpers until lunch is set up

any cole slaw, mac salad, etc., is appreciated

ice delivery

2 helpers for set up & through dinner

any desserts, cakes, cookies or snacks, that do not need refrigerated, are appreciated

ice delivery

2 helpers whenever available for breakfast

2 helpers for clean up

return recepticles and food tent

MENU:

BREAKFAST:

(only after tower is positioned)

Coffee & Donuts

LUNCH:

Hoagies

Donated Salads

DINNER:

approx. 5 pm

Turkey, Stuffing & Gravy

Corn on the Cob

Cranberry Sauce

Green Bean Salad

Snowflake Rolls

ALWAYS AVAILABLE:

(as long as supply lasts)

Soda, Beer, and Coffee

Hoagies, made previously

Donated items

BREAKFAST:

Scrambled Eggs & Sausage

Raisin Bread & Butter

Orange Juice & Coffee