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*NOTE: THIS WILL BE THE LAST MONTH FOR THE
-CURRENT V.P., AS OF JUNE MEETING,
RAY MARTIN WILL BE THE NEW VICE PRESIDENT.

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AMERICAN RADIO RELAY LEAGUE. QST. AMATEUR RADIO NEWS SERVICE.

CLUB NETS

2 METER FM 78/18 SUNDAY 8:00 PM ALL HAMS ARE INVITED TO JOIN IN.
6 METER AM 50.9 SUNDAY 9:00 PM CLUB AFFILIATION IS NOT NEC.
10 METER SSB RAG CHEW 28.8 FRIDAY 9:30 PM
15 METER SLOW CW NET. 21.175 FRIDAY 7:30 PM CLUB CALL IS: W 2 M M D

MEETINGS: FIRST WEDNESDAY OF EACH MONTH AT 8:00 PM.. @ THE NATIONAL PARK MUNICIPAL HALL
NATIONAL PARK, NEW JERSEY. ALL HAMS & GUESTS ARE INVITED. REPEATER FREQUENCY 78/18
THROUGH THE COURTESY OF THE BARNSBORO REPEATER ASSOCIATION, WR2AGO.

ALL ARTICLES FOR CROSSTALK SHOULD BE SENT TO THE EDITOR: RAY MARTIN, WB2LNR,

GLOUCESTER COUNTY AMATEUR RADIO CLUB, BUFFET DINNER. 1978. HERE IT IS GANG.

HOLLY INN, PITMAN, NEW JERSEY
SATURDAY SEPTEMBER 30, 1978.

"THIS IS WHAT WE HAVE BEEN WAITING FOR"

AN INTERESTING EVENING IS IN STORE FOR ALL --

FINE TIME FOR YL, XYL, & OM'S ALIKE -

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OR ANY G.C.A.R.C. OFFICER..... ORDER NOW !!!

DON'T MISS A GREAT EVENING.

PRESIDENT'S CORNER.

Since our last meeting a few things have cropped up that I think everyone should know about. It seems we have had a request from the National Park Council, and the Mayor, Mr. Witt to ask our members not to park up against the building on meeting night as they to are having their local Municipal gathering. Their request came from local townspeople who have to come up to the Borough Hall to pay bills. Taxes and the like. The only time they can do this is on our meeting night. "Which is only right" Lets face it gang, it's nice here, and I don't think we would want to take on another move, not this early in the game anyway. So just remember, next meeting night, Please DO NOT park up against the building. Anywhere else will be fine. And lets face it gang, there is quite a lot of parking space by the back fence and on the local streets around the Municipal Building, not to mention in back of the Post Office. So let us all try to keep the Landlord Happy. HI.....

Next on the agenda, FIELD DAY 1978. Well it's that time of the year again folks. The last weekend of June, and we will be there !!! Just to let all members know, Field Day this year will be held at the same place as last year. On the old Golf Driving Range of Gloucester County College. Chairman Mark Wilson is looking for another strong turn out, just as good, if not better than last year. Don't forget; it takes a lot of strong arms to put up all of the equipment, and we will have quite a lot to assemble, so get there early. Find out from Mark at this meeting when he wants everyone to converge on this fine piece of property. And here's hoping that everyone has a good time again.

The food chairperson this year for Field Day will be Virginia Martin. She said with a little luck everyone involved with it will be enjoying hot meals on Saturday evening and Sunday morning. She has gotten together with a few of the other gals in the club and they want to do this for the members. Anyone else who wants to help in the preparation of the meals should contact Ginny at the next meeting. She will also be looking for coolers, to store meals in. Gas propane stoves to cook on and anything that will help the affair to be a success. So break out the camping gear that hasn't been used since last time and get together with the food committee.

73 Ray Metzger. WB2BZY.

JUNE PROGRAM

Since the program chairman has always been the Vice President. This will be the first to be presented by Ray Martin our new vice president.

The program this month will be a Brand New AT&T Film called "Lightwave," it explores the technological developments that led to lightwave communications trials in the 1970's.

FOR SALE: Heath SB-101/2 80 to 10 meter transceiver. SSB & CW.
Heath SB-200 with new extra finals; and Bearcat 101 Scanner, covers 30 to 512 MHz.
16 channels. All equipment in excellent shape. Call Bill Frambes-WB2FJE

For Sale: Atlas 210X with AC base supply/spkr \$ 475.00 Call Curt WA2JSG,

CONGRADULATIONS TO THE FOLLOWING CLUB MEMBERS WHO HAVE JUST PASSED THEIR EXTRA CLASS.
W2SUA SHORTY, WB2OSQ MARK, WB2BVV DARRELL, WA2VOY WAYNE, & WA2VCZ JACK. GUD LUCK....

CONTEST CORNER

June 10-12 (1900-0600 GMT) VHF QSO Party
 June 24-25 (1800-2100 GMT) ARRL Field Day
 July 8-9 (0000-2400 GMT) IARU Radiosport Championship

VHF QSO Party

This should be a good chance to repeat the fun of last January's VHF Sweepstakes, but perhaps with even better conditions than we had in January. It should be a good time to check out the antenna and rig improvements you have made since the VHF SS. There is no interclub competition in this one, but we do expect to have log forms available at the club meeting for those needing them. Since the mailing deadline is July 10, you will have to mail your own logs, but let N2CQ know your score for possible Crosstalk listing. I hear that Wayne, WA2VOY and others are planning a field trip for this one. Any takers???

IARU Radiosport Championship

This is it . . . a DX Contest in July, a summertime Sweepstakes, a worked all states weekend, or an international QSO party. It can be any or all of those depending on your preferences. There are certificates for making 250 or 1000 QSOs, and also for working 50 multipliers. There should be lots of DX available, and time enough to make some station changes to make it easier to get. Mailing deadline is September 1, 1978 for your entries. Due to the reduced summer meeting schedule, we suggest mailing your own entry. Let N2CQ know your score for Crosstalk. There is no interclub competition in this event.

Megapoint Contesters Club Award

The award plaques are now in the process of final design touches, and will soon be going into production. These promise to be very attractive and a little unusual. We are looking forward to seeing them in the near future. There have been four qualifiers so far, with a couple of others who are close. The awards will be numbered according to which station was first to qualify with the million points. Twenty seven members have accumulated some points, and the ones over 100,000 are listed below. We are delighted with the response, and look forward to many more qualifiers.

| Call | 1978 Points | |
|--------|-------------|----|
| N2CQ | 2,531,331 | #2 |
| W2KI | 2,114,058 | #3 |
| WB2OSQ | 2,060,566 | #1 |
| WB2BVV | 1,226,878 | #4 |
| WA2OMY | 823,228 | |
| W2YC | 500,256 | |
| WA2MMA | 326,400 | |
| WA2PFC | 253,562 | |
| W2SUA | 243,968 | |
| WB2BZY | 221,000 | |
| WB2FJE | 168,544 | |
| K2HPV | 154,582 | |
| WA2OOX | 144,300 | |
| WA2VEE | 131,300 | |
| N2SI | 115,692 | |
| K2JF | 110,022 | |

While these are unofficial results of the Megapoint totals since all contest scores have not been published as yet, they should be fairly close to the final totals.

SCUTTLEBUT: May, 1978

Boy! Herb, you sure get the award this month, for directing John (JF) to your house OK. Congratulations for you Herb!

By way gang, PLEASE let a count of 4 (FOUR) before you pick-up the repeater again, there is NO chance for anyone to check-into a QSO or make a call!

How come VQC (Bill) has so much trouble with call-signs.

Well! Howard (IBZ) Way to go! He got his new ticket, a General Class by the way.

Foy! Did a certain fellow buy up all the extra test equipment at the White Elephant. Ask MMA about all the new (?) test equipment.

Well a certain guy finally got his new handheld. Boy, are they nice!

Seems to be a lot of meetings going on between the Top Guns on DX. What's going on? Planning a new contest for the rest of the club?

Ask Al (RFJ) about putting transistors into Heath rigs; also how to use Lindeen oil in Dummy loads!

Gary, how does it feel with a beam on your shoulder? What are you trying to do, start a new fad?

Ask John (SI) how to fix a truck hose, I am sure that he will give a real special way of doing it, but with a stick and a hose clamp. Come on John!

Hopefully, by the time you read this, Fred (GEK) will be sporting a new 220, 144, and a Tribander on his new 50' tower, good luck with the new installation, Fred but watch for the small pin I installed in 2 of the feedlines at the top of the tower. Sorry, about that, Fred'. . . .

Well, maybe by the time that you read June's Scuttlebut, your's truly maybe shorting a new TR7/DR7 transceiver, well the order is in anyway for the new rig. Know anyone who wants a good SB-101/2 and a SB-200 with extras, please let me know, thanks!

The repeater works so good that some of the gang is really trying all kinds of antennas, some even inside the truck, but really Ray, I think that it will work better outside on the roof where it belongs. Hi!

I understand via the air that there is a new specification for portable 2 meter--being at least 99.9% waterproof. Ask Steve (AXJ) about that.

Field Day, 1978

by Mark Wilson, WB2OSQ tel. 589-5174

Well gang (an overworked but nevertheless effective opening), it's that time of year again. The leaves are on the trees, the mosquitoes are out, the temperature and humidity are up, and it is almost time for Field Day. Time to tell the XYL or YL or whatever that the grass really isn't that long and besides, Field Day only comes once a year.

Yessir! Field Day. The one club activity that unites all of the different special interest groups in the club. Everyone, from the grizzled old veterans of 20 meter dogfights (aka pileups) to the veterans of one-liner exchanges on 2 meter FM. Everyone seems to enjoy Field Day.

For those members new to the club or new to ham radio a word of explanation is in order. Field Day is a national activity sponsored by the Amateur Radio Relay League to test the emergency preparedness of the amateur community. Field Day is held every year on the last weekend of June. Clubs, similar to GCARC, throughout the USA and Canada participate.

A question often asked is "What do you do on this Field Day?". On Field Day we (members of GCARC) go to a predetermined site to set up and operate portable stations. The object is to contact as many other stations as possible in a 24 hour period. We set up and operate stations on 80 through 2 meters. We operate SSB, CW, AM and FM. We even set up a station to operate through the OSCAR satellite. All power is provided by gasoline generators and batteries. I guess you could say that on Field Day we work, operate, relax, laugh, brag, eat, drink, test ourselves and best of all ~~have a good time~~. Naturally, the amount of fun is somewhat dependant on the number of people that show up. Last year, 50 people showed up. We had a good time. We made a lot of contacts. This year, there are more people in the club. Maybe 80 will show up. We could have a better time. We could make more contacts. SHOW UP!!!

Now some details.

DATE: Saturday, June 24 and Sunday, June 25.

TIME: 9 a.m. Saturday to 3p.m. Sunday.

LOCATION: That area of Gloucester County College known as the golf driving range. Same place as last year.

BAND CHAIRMEN: 80- Al, WB2RRJ
40- Gary, WA2OMY
20- Mark, WB2OSQ
15- Jack, WA2VCZ and Ray, WB2LNR
10- Tony, WA2FZB
6- Wayne, WA2VOY
2- Bob, WA2MMA
OSCAR - Ken, N2CQ

A few other notes: Gary Hitchner, WA2OMY, is power chairman. If you have or know of a generator that we could use for the weekend please call him at 589-5373 or on the air. Food will be provided for Saturday night and possibly for Sunday morning. Food chairperson is Ginny Martin, wife of our esteemed vice-president. If at all possible, we need to have a lot of people out on Saturday morning and Sunday afternoon for set-up and take-down. See you there.

Propagation Forecast for June. Well I hope you all enjoyed the "flarcs" we had during the month of May. The first real test of Cycle 21 showed itself and boy it was a dandy. Well we should be over some of the major fireworks for a while and we are hoping that June will come "busting out all over" with good DX and operating conditions on both the HF and VHF bands. So here it goes. 80 Meters: Static and ever increasing static. The daytimes will be just lousy and the amount of stuff you will be able to get at night will diminish as the month continues. Unless you have net s and are a message handler forget it. 40 Meters" This band will have little static increasing as the summr comes on but this is the night band for those who want to get off of 20. This band will start shortly before sunset and reamain good until just after sunrise but not much more. It will hold up during the night . It will be good to Western and Central Europe around 2300 to 0100, then with some luck from 0200 to 0330 to So. Amer. and the Carib. During the day it will be possible to do 500 to 1000 but not much more. 20 Meters: If you have the equipment get on this band and forget the rest of the bands. This band will stay open for the whole night now. It will be good all the time with some special times: Western Europe 1500-1700 then 1800-0000, No. Europe and USSR 1800 -2300, East Meditertanean and Middle East 1700 to 0130 . from here take a look at Africa 1600 to 0100, after you have had all the cross ATLANTIC try this side The Carib, and Cent. Amer. 0700 to 0700 (that is right now 24 hours) the Pacific area, 2300 to around 0400, especially the So. Pac. As you can see this is the band for the HF boys. It is going to be very good all the time. Just keep your ears open. 15 Meters : This band is now coming into its glory. Good worldwide communications on this band and the So. Pacific will be better than 20 This band will peak during the late afternoon and early eveining hours. Western Africa 1400-1500 East and Central Africa 1500 to 1800 ,So Pacific 1900-2100 tehn come back to the Carib. about 2000-2100, then Western So. Amer, and Pacific 1600-2200. You will have to listen for the stuff but it will be there. 10 Meters: It is coming, don't despair. Here you will just have to keep a sharp ear for the stuff, listen for the beacon on 28.888 and judge for it. Also listen for the So. Pacific it will come in and be loud and then fade but it will be back. This will happen during the late afternoon when the Ionosphere is excited at both ends. Carib So. Amer. 1100-1800 Western So. Amer and over into the Pacific 1400-1830. Good for USA stuff Western, and DX along the Southern route North South path will be open most when the and does open. Possible spor-adic-E on this band and it will work wonders for you. VHF REPORT : Sporadic-E will increase considerably in June and for the Six meter boys here is a good chance to do some real DX Your ranges should be from 1000 to 1500 miles and during so me very strong sporadic-E you stand a good chance to do 2 hop ski..p and work Europe up to 3500 miles. There will be some very good T.E. propagation during this month, expecailly the last week I hope you realize that T.E. means that the signal must cross the equator at or near a right angle and will best be around to 2200.

2 Meters: If you haven't tried the lower portion of 2 you should. Try your luck and get away from 18/78 for a change and what a surprise. Start looking for some good skip coming in this month and some good sporadic-E layer work. You will be able to do 1000 to 1500 miles. of course you can always hope for a trans-continent or across the "pond" stuff. Plenty of fellows over there are waiting for the first cross "pond" contacts to begin. There is also a chance for some "duct" work for you fellows who live along the shore or right on the Delaware river. Again I will emphasize Look for the fronts and go get some stuff before the fireworks hit you place. Those fronts are real good for North South passes, and of course look for OSCAR 7 & 8. There is some auroral activity is expected during June but not like May. (thak goodness). Meteors from the Hercuilids and Socorriipds will occur around June 3 and 5th for you fellows who like to try meteor bounce.
 GOOD DAYS HF June 1,8-9, 11-12, 21-24, 27
 GOOD DAYS VHF June 6,13-15-, 19, 25, 29-30. the 19th looks real good for a chance for some real skip.
 Sorry won't be around to enjoy the early part of the month so good luck and good DX. K2JF

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JIM PECK W2LVW 609-468-0737

HOT OR ICED-----TEA IS NICE. Next to water, tea is the world's most popular beverage. In the United States, although tea ranks fifth in the beverage popularity contest (after coffee, soft drinks, milk and beer) we still manage to consume over 35 billion cups and glasses a year. In fact, per capita tea consumption has grown by more than 20% over the last decade, while coffee consumption has declined.

In general, teas fall into three classifications---black, green and oolong. All three types come from the same plant (thea sinensis): it's the processing the leaves undergo after picking that makes them different. Black tea, which accounts for about 97% of the tea Americans drink, goes through a fermenting or oxidizing process which turns the leaves black and produces a brew with a rich, hearty flavor. Green tea is not fermented so the leaves stay green and when brewed produce a light colored liquid. Oolong tea is partly fermented, so its leaves are partly brown, partly green. It, too, brews light in color.

Today we Americans have several forms of tea to choose from....loose or leaf tea, the original form; teabags, which were accidentally "invented" in 1904 when a tea merchant distributed his samples in small silk bags; instant tea and the iced tea mixes which dissolve instantly in cold water

Another accidental "invention" also occurred in 1904. This happened during a heat wave at the St. Louis World's Fair where tea was being served at a Far East Pavilion. Nobody wanted the steaming cups of hot tea. But, poured over ice it became a hit. Today over 60% of all the tea consumed in America is iced tea.

A cup of tea contains about half as much caffeine as a cup of coffee. Though it is true that pound for pound tea has more caffeine than coffee, a pound of tea goes about five times as far as a pound of coffee when brewed. A pound of tea will make 200 cups, while a pound of coffee makes 40 to 60 cups. So each individual cup of tea contains less caffeine. Tea is a less expensive drink than coffee. On the average, tea costs less than 2 cents a cup.

The taste of tea, depending on the variety, can vary from light and delicate to hearty and robust. Whatever kind you choose, do be sure to brew the tea properly to bring out all its fine qualities. Experts recommend the following simple steps. First, bring freshly drawn cold water to a full rolling boil. (Water that has been standing in a tea kettle and reheated will make tea taste flat.) As soon as it comes to a boil, remove from heat. (Overboiling removes oxygen from the water and again will result in a flat taste.) Pour a little boiling water into your teapot (china or earthenware preferred) and swish it around to warm the pot. Then, put one teabag or one teaspoon of loose tea per serving into the pot and pour the boiling water over it. Cover and let stand 3 to 5 minutes. Even if you like tea less strong, let it brew the full time and then dilute with a little hot water. Serve with milk (not cream) or lemon and sugar to taste.

For perfect iced tea, follow the same procedure but allow 50% more tea to allow for melting ice. In other words, for 4 cups of hot tea you'd use 4 teabags, but for 4 glasses of iced tea you need 6 teabags. When ready to serve, pour into ice filled glasses.

Tea is grown in China, India, Japan, Formosa and Sri Lanka. Sri Lanka formerly known as Ceylon supplies almost a third of the world's tea, or in more graphic terms, about 75 billion cups every year.

HOT OR ICED-----TEA IS NICE. .

73's



N2RE