

GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD

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CHAPLIN	K2JJC	SPECIAL EVENTS	WB2OYQ
CROSSTALK EDITOR	N2FJQ		

CLUB NETS

ARES/RACES	SUNDAY 20:00 HRS.	REPEATERS 147/78-224.66/223/06
10 METERS	TUESDAY 21:00 HRS.	FREQUENCY 28.350 MHZ.

CLUB REPEATERS

147.78/18 MHZ. 224.66/223.06 MHZ. 442.100/447.100 MHZ. PL20 OR 3B

CLUB MEETING : FIRST WEDNSDAY OF EACH MOUNTH AT VFW HALL IN WOODBURY, N.J.
: STARTS 20:00 PM SHARP

CROSSTALK CONTRIBUTIONS : SEND TO N2FJQ OR VIA KB2COB PACKET 145.070, THE
DEADLINE IS ONE WEEK BEFORE MEETING.

CLUB SITE MONITORS 147.78/18

PRESIDENTS MESSAGE

I HOPE THAT EVERYONE HAS HAD A VERY HAPPY AND SAFE HOLIDAY SEASON AND THAT THE SAME SPIRIT CAN BE CARRIED THROUGH THE NEW YEAR.

I WANT TO THANK ALL OF YOU FOR YOUR VOTE OF CONFIDENCE AND FOR YOUR SUPPORT AND I WILL ENDEAVOR TO DO THE BEST FOR THE CLUB. IT IS NOT POSSIBLE TO PLEASE EVERYBODY ALL OF THE TIME AS THE SAYING GOES, BUT I'LL TRY!

AS OUR CLUB MOVES INTO THE 1990'S THERE ARE SEVERAL GOALS THAT I WOULD LIKE TO SET:

1. INTEREST NEW AND PRESENT MEMBERS IN THE CLUB FACILITY.
2. DEVELOP TECHNICAL INTERESTS.
3. SOCIAL ACTIVITIES.

IF ANYONE HAS SUGGESTIONS ON ANY OF THESE GOALS, PLEASE LET ME KNOW. REMEMBER, THIS CLUB IS ONLY AS GOOD AS THE MEMBERS MAKE IT. SEE YOU AT THE NEXT MEETING. 73, BETH, KB2EAL.

HOLIDAY GREETINGS / DUES NOTICE

THE 1989 YEAR HAS COME AND BY THE TIME YOU READ THIS WILL ALMOST BE GONE. MY HOW TIME HAS A WAY OF FLYING BY WHEN YOUR HAVING FUN. JUNE AND I WISH TO PASS OUR VERY BEST WISHES FROM OUR HOUSE TO YOURS FOR THIS HOLIDAY SEASON AND A MOST PROSPEROUS NEW YEAR. MAY WE ALL LIVE TO SEE PEACE AND JOY THE WORLD OVER.

JANUARY IS THE TIME THAT OUR CLUB DUES COME DUE FOR 1990. A PLANNED TRIP WILL PREVENT ME FROM BEING AT THE JANUARY MEETING, SO IN MY ABSENCE CHUCK COLABRESE WA2TML, WITH THE APPROVAL OF OUR PRESIDENT BETH, WILL ACCEPT YOUR PAYMENTS AT THE JANUARY MEETING. IF YOU ARE UNABLE TO ATTEND THE GENERAL MEMBERSHIP MEETING, OR FIND IT MORE CONVENIENT, YOU MAY MAIL YOUR PAYMENT TO EITHER THE CLUBS PO BOX AND JOHN FISHER WILL FORWARD IT TO ME OR MAIL IT DIRECT TO MY HOME ADDRESS 314 DIXON AVENUE, WENONAH, NJ 08090. I WILL HAVE YOUR NEW 1990 MEMBERSHIP CARD AT THE FEBRUARY MEETING OR IF YOU PREFER, I CAN MAIL IT DIRECT TO YOUR HOME.

PLEASE TAKE NOTE THAT THERE HAS BEEN A CHANGE IN THE BY-LAWS REGARDING THE PAYMENT OF DUES. PLEASE READ THE UPDATED COPY OF THE CONSTITUTION AND BY-LAWS THAT WAS SENT IN YOUR NOVEMBER X-TALK, ARTICLE VII, SECTIONS 1 THRU 8.

ONCE AGAIN MAY THIS HOLIDAY SEASON BRING YOU GIFTS THAT TIME CAN'T TARNISH.....THE PRICELESS GIFTS OF LOVE, PEACE AND JOY!!!!!!!!!!!!

73 DE BOB LAYTON, KB2COB

**** SAREX "BLAST OFF" IN 1990 ****

THE SHUTTLE AMATEUR RADIO EXPERIMENT (SAREX) WILL HAVE A BIG YEAR IN 1990. SO MUCH SO, IT HAS BEEN DUBBED "SAREX-90." STS-35-SPACE SHUTTLE COLUMBIA, IS SCHEDULED FOR A 10 DAY MISSION, TO BE LAUNCHED ON THE EVENING OF APRIL 26, 1990. DR. RON PARISE, WA4SIR, A PAYLOAD SPECIALIST, HAS BEEN CLEARED BY NASA TO OPERATE VOICE AND PACKET RADIO DURING HIS FLIGHT.

STS-37-SPACE SHUTTLE ATLANTIS IS SCHEDULED FOR A FIVE DAY MISSION TO BE LAUNCHED JUNE 4, 1990. MARINE CORPS LT. COL. KEN CAMERON, KB5AWP, THE PILOT, HAS BEEN AUTHORIZED TO OPERATE VOICE, PACKET, SLOW SCAN TELEVISION AND ATV. BOTH FLIGHTS WILL USE THE AMATEUR 2-METER BAND. TNX ARRL/K2JF-KB2COB BBS

**** NOSTALGIA ****

FIFTY YEARS AGO THE AVERAGE AGE OF MOST WAS 29.5 YEARS. THE AVERAGE POWER OF THE XMITRS WAS 175W. NEARLY EVERYONE USED A DIPOLE ANT. CW WAS KING WITH 80 AND 40 METERS-TOTALLY CW IN THOSE DAYS-BEING VERY ACTIVE. TWO-THIRDS OF THE RECIEVERS WERE MANUFACTURED, AND 90% OF THE XMITRS WERE HOME-MADE. TODAY????

FIFTY YEARS AGO IN JULY 1939 ISSUE OF QST, A LETTER WAS WRITTEN WONDERING IF THERE WERE ENOUGH IN HAM RADIO WHO WOULD BE INTERESTED IN FORMING A GROUPE SIMILAR TO THE YLRL TODAY. THE LETTER WAS WRITTEN BT W7FWB. THAT WAS FIFTY YEARS AGO, AND TODAY WE HAVE OUR ANSWER BECAUSE THE YLRL DOSE EXIST, AND I MIGHT SAY, VERY ACTIVE. BUT WHO WAS W7FWB? THE CALL NO LONGER EXISTS, IT LEAST NOT IN THE '85 CALL BOOK. FOR THOSE WHO MIGHT NOT RECOGNIZE THE CALL, IT BELONGED TO OOTC GAL ETHEL SMITH, NOW K4LMB, AS THE CIGARETTE AD SAYS, " YOU'VE COME A LONG WAY BABY!" CONGRATULATIONS ON YOUR FORESIGHT, ETHEL!

TNX SPARK GAP TIMES/K2JF/KB2COB

FIFTY YEARS AGO IN THE TOWN OF PITMAN, NJ. TWO FELLOW AMATEURS WERE TRYING TO GET ESTABLISHED ON 20 METERS. ONE OF THE AMATEURS W3DSI, WHO HAD MONEY CAUSE HE HAD A SW-3 RECIEVER, WAS HELPING W3IFT TO PUT HIS TRANSMITTER ON THE BAND. THE TRANSMITTER OF W3IFT WAS A MOPA AND THE FINAL COIL WAS WOUND USING #10 COPPER WIRE ON A "MOTHER OATS" BOX. AFTER A PERIOD OF TIME W3DSI INFORMED W3IFT THAT HE COULD NO LONGER TRACK HIM SINCE THE LAST TIME HE HEARD HIM HE WAS HEADING FOR 10! (WHO BELONGS TO CALLS W3DSI & W3IFT) TNX/K2JF-KB2COB

CAN YOU NAME ANY OF THE AMATEURS WHO WERE IN PITMAN, NJ., AND ACTIVE 50 YEARS AGO. THEY WERE W3AHN, W3BHJ, W3DSI, W3EDY, W3EKL, W3ERT, W3FAF, W3HEO, W3HRJ, W3IFT, W3INS, W3PLD----(NORM W2SPN, REMEMBER ANY OF US?) TNX/K2JF-KB2COB

ASTRONOMICAL EVENTS-WED. JAN 3 EARLIEST SUNRISE

-THUR. JAN 4 EARTH CLOSEST SUN-QUARANTIDS METERS 1041Z

DO YOU KNOW THAT. ON JAN 13 1910 FIRST BROADCAST OF MET. OPERA CARUSO 1910
ON JAN 13. FIRST TV STATION 1928 W3XP (PHILCO PHIAL PA)
ON JAN 18 US NAVY STA NFF B'CAST PRES. WILSON SPEECH 1918
ON JAN 19 MARCONI TRANS-ATL. MSG 1903 TEDDY ROOSEVELT TO
ENGLANDS EDWARD VII. THIS WAS THE BEGINNING OF COMMERCIAL LONGWAVE
RADIOTELEGRAPH COMMUNICATIONS.

ON JAN 21 9XM UNIV OF WISC. B'CAST WEATHER 1921 FIRST WX
B'CAST OF WX INFORMATION FOR THE WORLD USE.

ON JAN 23 PITCARIN LANDING BY CHRISTIAN AND HIS CREW.

ON JAN 31 ARMSTRONG DREW THE SCHEMATIC DIAGRAM AND HAD
OPERATION THE FIRST REGENERATIVE FEEDBACK CIRCUIT. LATER ON HE INVENTED THE
"SUPER REGENERATION DETECTOR", WHICH HE OBTAINED A PATENT JULY OF 1922.

COLLEGE BEGINS==CAMDEN COUNTY COLLEGE==TUESDAY JAN 16 RUNS TO MAY 6, 1990.

TNX/K2JF-KB2COB BBS

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JANUARY VHF CONTEST

WC2K

SAT. JAN. 20, 1990 7-7:30 PM. EST

SUN. JAN. 21, 1990 12-1 PM. EST

PLEASE WORK US ON THESE FM SIMPLEX:

145.6 223.5 446.0

HELP KEEP THE TITLE IN DELAWARE VALLEY !!

**** W3INK SUPER GROUND ROD ****

I WAS LOOKING FOR AN EASIER WAY TO GROUND MY TOWER THAN TO DRIVE ANOTHER 8 FOOT GROUND ROD INTO THE ROCKY GROUND. I REMEMBER SEEING MY FATHER-IN-LAW DRIVE A WATER WELL 90 FEET DOWN BY USING WATER PRESSURE. HE SIMPLY CONNECTED HIS GARDEN HOSE TO A PIPE AND STUCK THE PIPE INTO THE GROUND. THE WATER FLOWING FROM THE OPEN END CLEARED THE DIRT OUT OF THE WAY AND THE PIPE WENT IN. I DECIDED TO TRY IT WITH A 10 FOOT PIECE OF 1/2 INCH COPPER WATER PIPE I HAD AROUND. AS IT TURNED OUT THE PIPE JUST FIT INTO THE END OF THE GARDEN HOSE. A SMALL RADIATOR HOSE CLAMP HELD IT IN PLACE ADEQUATELY. THE WATER WAS TURNED ON AND THE OPEN END OF THE PIPE WAS STUCK INTO THE GROUND. IT PENETRATED EASILY UNTIL IT APARENTLY STRUCK A ROCK AT ABOUT 9 FEET. SINCE THAT WAS DEEPER THAN THE STANDARD 8 FOOT GROUND ROD WOULD GO, I LEFT IT. A PIECE OF 1/4 INCH COPPER TUBING WAS CLAMPED TO THE BOTTOM OF THE TOWER AND TO THE EXPOSED END OF THE COPPER PIPE GROUND.

TNX=H.STANLEY STAN, W3INK

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TNX ARRL/K2JF VIA KB2COB BBS

DISKOVER US!

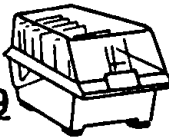
RIBBONS

Apple Imagewriter	\$2.80
Brother HR15/25(ms)	\$2.55
Citizen 120D/180D	\$4.25
Commodore 801	\$2.80
Diablo Hytype II(ms)	\$1.90
Epson EX 800/1000	\$6.00
Epson MX,RX,FX-70/80/85	\$2.70
NEC P2/P6	\$4.75
NEC P3/P7	\$5.00
Okidata 293/294	\$8.00
Okidata 182/192/320/321	\$4.25
Okidata 80/82/S. Gemini 10	\$1.00
Okidata 84	\$3.50
Panasonic KXP-1090/1124	\$3.50
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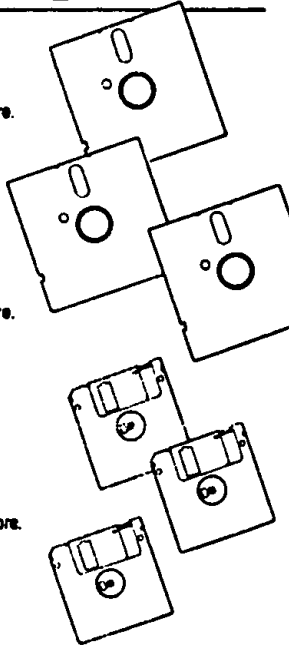
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• 5.25 DS/DD, Black • Sleeves • 5 Color Labels w/ Tabs
IN 17 COLORS 41¢ ea., 100 or more
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IN 17 COLORS, WHITE BOX 46¢ ea., 100 or more
(One color of 10 per box.) 50¢ ea., less than 100

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each, 50 or more

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• 3.5 DS/DD, Blue, Grey & Black • 5 Color Labels
IN 5 COLORS \$1.28 ea., 50 or more
(Minimum lot of 10; one color per lot.) \$1.32 ea., less than 50
IN 5 COLORS, WHITE BOX \$1.33 ea., 100 or more
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2 3/4 x 7/16	4 across	20,000	\$2.05
2 1/2 x 1 5/16	1 across	5,000	\$2.40
2 1/2 x 1 5/16	3 across	15,000	\$2.30
2 3/4 x 2 3/4"	1 across	2,500	\$12.00
2 3/4 x 1 7/16	1 across	5,000	\$3.75
3 x 1 5/16	4 across	20,000	\$2.10
3.3 x 1 5/16	4 across	20,000	\$2.15
3 1/2 x 1 5/16	1 across	5,000	\$2.00
3 1/2 x 1 5/16	2 across	10,000	\$2.00
3 1/2 x 1 5/16	3 across	15,000	\$2.00
3 1/2 x 1 5/16	4 across	20,000	\$2.00
4 x 1 5/16	1 across	5,000	\$3.50
4 x 1 5/16	3 across	15,000	\$3.50
4 x 1 7/16	1 across	5,000	\$3.55
4 x 1 7/16	3 across	15,000	\$3.55

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LEWIS AVE. NO PRE-REGISTRATION IS
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**** MARLA'S MUNCHIES ****

TUNA TACOS

1 TB PLUS 1 TSP. VEG. OIL
1 C. SLICED ONIONS
2 GARLIC CLOVES MINCED
1 C. CHOPPED TOMATOES
1/8 TSP OF EACH == OREGANO,
SALT AND PEPPER

DASH HOT SAUCE
8OZ DRAINED TUNA
4 TACO SHELLS
4OZ CHEDDER CHEESE, SHREDDED
1 C. SHREDDED LETTUCE

IN SKILLET HEAT OIL, ADD ONIONS & GARLIC AND SAUTE UNTIL ONIONS ARE TRANSLUCENT (ABOUT 5 MIN) ADD TOMATOES, SAUCE, SEASINING. COOK, STIRRING OCASIONALLY FOR 5 MINUTES. STIR IN TUNA AND COOK UNTIL HEATED THROUGHLY, FILL EACH TOCO SHELL WITH 1/2 OF TUNA MIXTURE AND TOP EACH PORTION WITH ONE OUNCE OF CHEESE AND 1/2 CUP OF LETTUCE. ENJOY = TNX N2DWR

***** THIS SPACE IS BLANK BECAUSE NO ONE SENT IN REPORTS (TNX) *****

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\$5.00

PICK UP AT MEETING

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TNX

JANUARY

1990

SUN	MON	TUE	WED	THU	FRI	SAT
	1 HAPPY NEW YEAR SILENT KEY NIGHT	2 G.C.A.R.C. 10 METER NET 2100 PM 28.350 MHZ USB	3 G.C.A.R.C. GENERAL MEMBERSHIP MEETING 20:00 PM WOODBURY YFW HALL PSE ATTEND	4	5 LUNCH 5 POINTS DINER	6 ARRL RTTY ROUNDUP
7 G.C.A.R.C. ARES / RACES NET 147.78/18 RPT 20:00 PM	8	9 G.C.A.R.C. 10 METER NET 2100 PM 28.350 MHZ USB	10 WIAW QUALIFYING RUN	11	12 LUNCH 5 POINTS DINER	13
14 G.C.A.R.C. ARES / RACES NET 147.78/18 RPT 20:00 PM OFF FIRESIDE PHONE	15	16 G.C.A.R.C. 10 METER NET 2100 PM 28.350 MHZ USB	17 G.C.A.R.C. BOARD OF DIRECTORS MEETING 20:00 PM CLUB SITE	18 FCC EXAMS BELLHAWK COMMUNITY CENTER BELLHAWK, NJ. 19:00 PM SHARP	19 LUNCH 5 POINTS DINER	20 ARRL YHW CONTEST PSE HELP WC2K WITH CONTACTS 145,600 223,500 446,000
21 G.C.A.R.C. ARES / RACES NET 147.78/18 RPT 20:00 PM N.D. OSO PARTY ARRL YHW CONTEST	22	23 G.C.A.R.C. 10 METER NET 2100 PM 28.350 MHZ USB	24 DEADLINE FOR CROSSTALK	25	26 LUNCH 5 POINTS DINER CQ WW 160 CW	27
28 G.C.A.R.C. ARES / RACES NET 147.78/18 RPT 20:00 PM	29	30 G.C.A.R.C. 10 METER NET 2100 PM 28.350 MHZ USB	31			

VERY BEST FOR THE NEW YEAR TO ALL-VISIT THE CLUB SITE