

GLOUCESTER COUNTY AMATEUR RADIO CLUB, W2MMD

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HISTORIAN	K2PQD	TECHNICAL	WA2TML
HOSPITALITY	KB2AB	TRAINING/TESTING	WA2VQG
CHAPLIN	WA2BMQ	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

IT WAS ENCOURAGING TO SEE SUCH A GOOD ATTENDANCE AT OUR FIRST MEETING OF THE YEAR. (ACCORDING TO OUR RECORDS WE HAD 66!). I HOPE THIS IS A TREND WE CAN CONTINUE THROUGHOUT 1990.

I WANT TO THANK THE BUDGET COMMITTEE OF N2FNF, K2HPV, N2ILB AND KB2COB FOR A JOB WELL DONE ON CJR 1990 BUDGET WHICH WAS PASSED AT THE JANUARY MEETING. IF THERE ARE ANY MEMBERS WHO WERE UNABLE TO ATTEND AND HAVE ANY QUESTIONS ABOUT THE BUDGET, PLEASE FEEL FREE TO CONTACT ME.

THANKS AGAIN TO K2JF FOR HIS PROGRAM ON THE GALAPAGOS ISLAND DXPEDITION AT THE MEETING.

I WOULD LIKE TO EXTEND A SPECIAL THANKS TO N2DWR FOR ALL HER HARD WORK ON THIS YEAR'S AWARDS AND INSTALLATION BANQUET. AS ALL WHO ATTENDED CAN TELL YOU - WE HAD FUN. CONGRATULATIONS TO THOSE WHO RECEIVED AWARDS:

N2FJQ AND K2POD THE RECIPIENTS OF THE MILT GOLDMAN AWARD FOR 1990.

K2HPV THE RECIPIENT OF THE W2SUA DX AWARD FOR 1990.

N2DWR FOR WAS, WAC, ARRL DIAMOND JUBILEE, GCARC 15 MEMBERS WORKED CLUB AWARD, YL/XYL CLUB AWARD AND GCARC NOVICE/TECH AWARD. (BUSY LADY)

FINALLY, I AM PLEASED TO ANNOUNCE THAT WITH MUCH NEEDED HELP OF KB2ETQ AS ASSISTANT CHAIRMAN, WB2CAK HAS BEEN PERSUADED TO BE OUR 1990 HAMFEST CHAIRMAN. (YEAH)

SEE YOU AT THE FEBRUARY MEETING.....73 BETH, KB2EAL

(GUYS AND GALS REMEMBER YOUR FAVORITE VALENTINE ON FEB. 14TH)

FEBRUARY PROGRAM

THE FEBRUARY PROGRAM AT THE GENERAL MEMBERSHIP MEETING WILL BE THE CLUB JACKETS. IF YOU ARE INTERESTED IN PURCHASING ONE, PLEASE COME PREPARED TO ORDER. THE COST WILL BE ABOUT \$22.00 FOR A LINED JACKET. THE CLUB LOGO WILL BE ON THE BACK, AND YOUR NAME AND CALL ON THE FRONT. THESE MAKE NICE GIFTS FOR THE YL OR XYL OR EVEN THE OM...SO BE PREPARED TO STAY AFTER THE CLUB MEETING AND REFRESHMENTS SO THAT YOU CAN ORDER YOUR JACKET.....TNX.....MARLA, N2DWR.

THE DISCOVERY OF PLUTO

THIS MONTH (FEBRUARY) MARKS THE SIXTIETH ANNIVERSARY OF THE DISCOVERY OF THE PLANET PLUTO. IT WAS FOUND ON FEBRUARY 18, 1930 BY CLYDE TOMBAUGH, A FARM BOY WHOSE LOVE FOR ASTRONOMY LED HIM TO A PLACE IN HISTORY. HE DISCOVERED IT BY LOOKING AT "STAR PLATES." SOME PLATES CONTAINED AS MANY AS 300,000 STAR IMAGES, AND EACH POINT OF LIGHT THAT CHANGED HAD TO BE CHECKED. NEARLY ONE YEAR AND 2 MILLION STAR IMAGES AFTER HE BEGAN, TOMBAUGH TURNED UP THE PLANET PLUTO...TNX...K2JF



(302) 478-2757

AMATEUR AND ADVANCED
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EXEMPT HAMS FROM SCANNER LAW

IN A REQUEST FOR DECLARATORY RULING THE ARRL HAS ASKED THE FCC TO GIVE SPECIAL TREATMENT TO LICENSED HAMS WHEN STATES TRY TO REGULATE POSSESSION AND USE OF RADIO RECEIVERS. THE LEAGUE SAYS IT IS AWARE OF "SEVERAL DOZEN" INSTANCES OF RADIO SEIZURE AND CRIMINAL ARREST SUFFERED BY LICENSED AMATEURS IN RECENT MONTHS. THE NEW JERSEY MOTOR VEHICLE CODE PROHIBITS THE INSTALLATION IN A CAR OF "SHORT WAVE RADIOS" THAT CAN PICK UP GOVERNMENT FREQUENCIES UNLESS THE OWNER HAS A PERMIT FROM THE POLICE. (NOTE = HAVE YOU APPLIED AND RECEIVED YOUR PERMIT FROM YOUR LOCAL CONSTABULARY? REMEMBER YOUR 2 METER RIG CAN PICK UP THE LOCAL POLICE. AND FIRE GROUPS!!! THESE ARE GOVERNMENT OPERATIONS)...TNX..W5YI/K2JF.

MUGS

WE STILL HAVE A GOOD SUPPLY OF CLUB MUGS. THEY ARE \$5.00 EACH AND ARE AVAILABLE AT THE CLUB MEETINGS.

ALSO WE HAVE A GOOD SUPPLY OF CLUB OSL CARDS. THEY ARE \$3.00 - 100. AND ARE AVAILABLE AT CLUB MEETINGS.

HAPPY BIRTHDAY

HERB SCHULER K2HPV FEB. 10

I'VE SEARCHED MY FILES AND THIS IS THE ONLY ONE FOR FEB. REMEMBER GANG YOU WON'T SEE YOUR BIRTHDAY LISTED UNLESS YOU HAVE FILLED OUT ONE OF THE CLUB INQUIRY FORMS. THEY ARE AVAILABLE AT MEETINGS, OR I'LL MAIL YOU ONE IF YOU CAN'T ATTEND THE MEETINGS....73..AL..N2FJQ.

HAMFEST

HELLO FELLOW GCARC MEMBERS. THE 1990 HAMFEST IS AUGUST 26, 1990. WE ARE IN THE PLANNING STAGES. IF THERE ARE ANY SUGGESTIONS THAT YOU MAY HAVE PLEASE CONTACT MYSELF OR JOE KB2ETQ, 1990 ASSISTANT HAMFEST CHAIRMAN WITH YOUR IDEAS OR COMMENTS. ALSO CONTACT ME AT ANY OF THE GENERAL BUSINESS MEETINGS..73..TNX..JERRY..WB2CAK.

HAMFESTS IN THE ATLANTIC DIV.
JANUARY 14, 1990

UPDATED HAMFEST BULLETINS WILL BE ISSUED PERIODICALLY. HAMFEST NOT LISTED IN THIS EDITION CAN BE INCLUDED IN FUTURE BULLETINS, IF SPONSORS WILL SEND INFORMATION TO W3ABC EITHER - WA3ZNW OR THE CALLBOOK ADDRESS. THIS APPLICATION PACKAGE FOR ARRL HAMFESTS IS AVAILABLE FROM BERNICE DUNN KA1KXQ AT ARRL HEADQUARTERS. THERE IS NO FEE FOR ARRL SANCTION.

NOTE: + DENOTES ARRL SANCTION

FEB 3 MINIFEST - HARRISBURG, PA
+MAR 4 TRARC - BELLE VERNON, PA
MAR 4 YORK SPRINGFEST - DOVER, PA
+MAR 25 DELAWARE VALLEY ARA
LAWRENCEVILLE, PA
+MAR 31-APR 1 BALTIMORE ARC
TIMONIUM, MD
MAR 31 DRUMLINS - MARBLETOWN, NY
+APR 7 APPALACHIAN ARG / PINE GROVE
RPTR GROUP - LEBANON, PA
+MAY 5 SOUTHERN TIER ARC -OWEGO, NY
+MAT 13 SUMMIT ARA -WESTMINISTER, MD
+MAY 20 WARMINISTER ARC
WARMINISTER, PA
+MAY 20 TAMAQUA TRAN SOC-TAMAQUA, PA
+MAY 18-20 ARRL ATLANTIC DIVISION
CONVENTION - ROCHESTER, NY
JUNE 3 BREEZESHOOTERS
PITTSBURGH, PA
JUNE 3 ROME, NY
+JUNE 3 LANCASTER ARC-LANCASTER, PA
+JUNE 8-10 ARRL NATIONAL CONV.
KANSAS CITY, MO
JUNE 17 FREDERICK, MD
+JULY 1 MURGAS ARC-WILKES-BARRE, PA
+JULY 8 GENESEE RA - BATAVIA, NY
JULY 29 BRATS - TIMONIUM, MD
SEPT 8 UNIONTOWN, PA
+SEPT 9 BUTLER ARA - BUTLER, PA
SEPT 9 GAITHERSBURG, MD
+SEPT 22-23 YORK, PA

73 DE HUGH TURNBULL W3ABC, DIR.
ATLANTIC DIVISION ARRL - WA3ZNW
KAY CRAIGIE KC3LM, VICE DIRECTOR
ATLANTIC DIVISION - WB3JOE
...TNX WA2VXT, BBS.

BANQUET

I WANT TO THANK EVERYONE THAT CAME OUT TO THE 1990 INSTALLATION OF OFFICERS AND AWARDS BANQUET. I'M PRETTY SURE THAT EVERYONE HAD A GOOD TIME, THERE WAS PLENTY OF FOOD, AND GREAT COMPANY. IF YOU COULD NOT ATTEND, YOU REALLY MISSED A GREAT TIME. TOWARDS THE END OF THE EVENING, MY DEAR HUSBAND GOT UP AND TOOK THE FLOOR FOR A FEW MINUTES. I'D LIKE TO SHARE WITH YOU A FEW OF HIS WORDS AND I'M SURE YOU WILL FIND THEM INTERESTING.

THERE ARE THREE CLASSES OF PEOPLE IN THE WORLD, HAMS, PEOPLE WHO WISH THEY WERE HAMS AND POOR PEOPLE, THE POOR PEOPLE THAT ARE MARRIED TO HAMS. I USED TO FALL INTO THE FIRST CATEGORY. MY XYL USED TO SAY, "WHY ARE YOU TALKING TO ALL THOSE STRANGERS, WHEN YOU COULD BE TALKING TO ME?? AND THEY ALL SEEM TO BE THE SAME AGE 59. THEN, WHEN YOU FINALLY MET SOMEONE THAT IS YOUR OWN AGE AND SAYS 42, YOU LIE AND SAY THAT YOU'RE 73 AND YOU GO AND CLIMB THAT TOWER AND RIP DOWN THAT ANTENNA!! I WISH THAT YOU WOULD STAY OFF THAT TOWER, YOU ARE GONNA FALL AND GET HURT." WELL THINGS HAVE CHANGED. IN THE PAST 6 MONTHS THAT SHE'S BEEN WORKING 10 METERS GETTING HER WAS, WAC AND TRYING TO GET HER DXCC CONFIRMED, I'VE BEEN IN THE KITCHEN DOING THE DISHES AND THE POTS AND PANS, WHILE SHE'S IN THE OTHER ROOM TAKING CARE OF THE LIDS!! AND WHEN I'M COMING HOME FROM WORK AND DON'T HEAR HER ON 2 METERS, I KNOW THAT SHE MUST BE IN THE MIDDLE OF THE PREPARATION OF THE DX CONTEST!! NO, SERIOUSLY, WHEN I COME HOME AT NIGHT, EVERYTHING IS READY ON THE DINING ROOM TABLE WITH ALL THE TRIMMINGS, THIS ONE NIGHT, SHE EVEN LEFT ME A LOVE NOTE THAT SAID "I LOVE YOU. I KNOW THAT YOU WORKED HARD ALL DAY, SO LOOK ON THE TABLE FOR YOUR FAVORITE -----NEEDLE NOSED PLIERS, FLASHLIGHT, TAPE AND CLIMBING BELT. THE SWR IS A BIT HIGH AND THAT 3:5X IS COMING UP!! WHEN YOU COME DOWN YOU'LL FIND YOUR FAVORITE POT PIE IN THE FREEZER, BUT DON'T PUT IT IN THE MICROWAVE BECAUSE I'M ON THE SAME CIRCUIT!!" IN CLOSING, LET ME SAY THAT IT'S GREAT TO BE MARRIED TO A HAM--MARLA, CAN I USE THE RIG FOR A WHILE TOMORROW???

I'DE LIKE TO SAY THAT EVERYTHING IN THAT LETTER IS...WELL JUST ABOUT TRUE! THANK YOU KEN FOR PUTTING UP WITH THE COLD DINNERS, MESSY HOUSE AND LACK OF THE USE FOR YOU TO WORK MY RIG WHILE I WAS TRYING TO GET THOSE AWARDS. NOW THAT I HAVE THEM I'VE GOT TO TALK TO SOMEONE TO FIND OUT WHAT ELSE IS OUT THERE...:TNX KN2U KEN AND N2DWR MARLA.

ASTRONOMY BITS

DO YOU KNOW THAT ON FEBRUARY 7 BRUCE McCANDLESS MADE THE FIRST UNTETHERED SPACE WALK IN 1984.

ON FEBRUARY 15 1564 THE GREAT SCIENTIST GALILEO WAS BORN.

ON FEBRUARY 20 JOHN GLENN FIRST AMERICAN IN ORBIT 1962.

ON FEBRUARY 24 DISCOVERY OF THE FIRST PULSAR ANNOUNCED 1968.

TNX...JOHN, K2JF.

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EXPERIMENTAL HF PACKET

THE ARRL HAS MADE ITS FIRST TECHNOLOGY GRANT OF MORE THAN \$1,000 TO A TEAM OF INVESTORS HEADED BY STEPHEN HALL WM6P OF SIMI VALLEY, CALIFORNIA FOR RESEARCH IN DIVERSITY RECEPTION OF HIGH-FREQUENCY (HF) PACKET SIGNALS. THE OBJECTIVES OF THIS WORK ARE TO INVESTIGATE THE BENEFITS OF DIVERSITY RECEPTION OF HF PACKET RADIO. DESIGN PRACTICAL DIVERSITY ANTENNA SYSTEMS, MODEM CHARACTERISTICS AND RECEIVER DESIGN FOR DIVERSITY. CO-INVESTIGATORS IN THE TEAM ARE ANDY DEMARTINI/KC2FF OF CLEARWATER, FLA, WALLY LINSTRUTH/WA6JPR AND BILL LAKE/WB6RIJ, BOTH OF SANTA BARBARA, CA., HERB DUNCAN/WE7L, AND PETER LaCOUNT/W8UXD OF SIERRA VISTA, AZ...THE FUNDS WILL BE USED FOR EQUIPMENT AND OTHER OUT-OF-POCKET EXPENSES. THE TEAM MEMBERS DONATE THEIR VOLUNTEER LABOR AND MUCH OF THEIR OWN EQUIPMENT TO CARRY OUT THIS WORK..TNX..K2JF

ITALIAN PASTA

SERVES 2---BUT YOU MIGHT HAVE TO DOUBLE IT IF YOUR HUNGRY.

1/4 CUP PUREED TOMATOS
1 TEASPOON OLIVE OIL
1 MINCED GARLIC CLOVE
1/4 CUP DICED ONIONS
1 TEASPOON BASIL LEAVES
3 OZ. COOKED SAUSAGE
1 1/2 CUP COOKED ZITI MACARONI
1/4 CUP PART-SKIM RICOTTA CHEESE
1 TBL. GRATED PARMESAN CHEESE
1 OZ. MOZZARELLA CHEESE, SHREDDED

COMBINE DICED ONION, OLIVE OIL AND GARLIC CLOVE, COOK UNTIL ONION IS TENDER, STIR IN TOMATOS AND BASIL. COOK FOR ABOUT 15 MINUTES...TRANSFER 3/4 C OF SAUCE INTO THE COOKED ZITI AND CRUMBLE SAUSAGE ..ADD THE RICOTTA AND PARMESAN CHEESE..MIX WELL. SPRAY A MICROWAVEBLE CASSEROLE WITH NONSTICK COOKING SPRAY AND ADD THE MOZZARELLA CHEESE, AND MICROWAVE ON HIGH FOR 5 MIN., OR UNTIL THE CASSEROLE IS HEATED...ENJOY!!!!

TNX...MARLA,N2DWR.*

OPERATING EVENTS IN THE ATLANTIC DIVISION

OPERATING EVENTS BULLETINS WILL BE ISSUED FROM TIME TO TIME TO HIGHLIGHT ON-THE-AIR EVENTS OF PARTICULAR INTEREST TO AMATEURS IN THE ATLANTIC DIVISION. THE UNIVERSITY OF PENNSYLVANIA ARC WILL OPERATE N3KZ, 1600Z-2000Z ON JANUARY 17 IN CELEBRATION OF BENJAMIN FRANKLIN'S BIRTHDAY AND THE 250TH YEAR OF THE UNIVERSITY. OPERATION WILL BE ON 14.250 MHZ. FOR A QSL, SEND A # 10 SELF-ADDRESSED ENVELOPE TO W3KRB.

NOVICE ROUNDUP BEGINS 0000Z ON SATURDAY, JANUARY 27, AND ENDS 2400Z ON SUNDAY FEBRUARY 4. THE OBJECT IS FOR NOVICE AND TECHNICIAN OPERATORS IN THE UNITED STATES (AND POSSESSIONS AND TERRITORIES) TO CONTACT AND EXCHANGE QSO INFORMATION WITH AS MANY STATIONS AS POSSIBLE ON THE NOVICE BANDS. ALL AUTHORIZED EMISSIONS MODES MAY BE USED. HIGHER-CLASS LICENSEES WORK NOVICES AND TECHNICIANS ONLY. EVERY NOVICE AND TECHNICIAN SUBMITTING A VALID ENTRY WILL RECEIVE A CERTIFICATE, WITH AN ENDORSEMENT FOR THE TOP-SCORING NOVICE AND TECHNICIAN IN EACH ARRL SECTION AND DIVISION. THIS IS AN EXCELLENT OPPORTUNITY TO HELP NEW HAMS GET ON THE AIR TO HAVE FUN AND IMPROVE THEIR OPERATING SKILLS. FOR COMPLETE RULES, SEE PAGES 81-82 OF THE JANUARY, 1990, QST.

QCWA MEMBERS WILL WANT TO PUT THE QCWA QSO PARTY ON THEIR CALANDERS==
CW-FEB.10.0001 UTC TO FEB.11.2400 UTC.
PHONE-MARCH 10.0001 UTC TO MARCH 11. 2400 UTC.

73 DE HUGH TURNBULL W3ABC
DIRECTOR, ATLANTIC DIV.

KAY CRAIGIE KC3LM, VICE
DIRECTOR, ATLANTIC DIV.

..TNX..WB3JOE..BBS..VIA..
WA2VXT..BBS

1990 DUES

THE 1990 CLUB DUES CAN BE PAID TO THE TREASURER AT THE MEETINGS OR THEY CAN BE MAILED TO THE CLUB P.O. BOX ALSO IF YOU WANT YOU CAN SEND DIRECT TO KB2COR.

ARRL RENEWAL

IF YOU ARE ABOUT TO RENEW YOUR ARRL MEMBERSHIP, THE CLUB CAN DO THIS FOR YOU AND SAVE YOU THE POSTAGE PLUS PAPER WORK.

SITE

THE SITE IS AVAILABLE FOR ONE AND ALL MEMBERS TO USE. THIS IS YOUR CLUB FACILITY AND YOUR HARD EARNED EFFORTS HAVE MADE IT A GREAT SUCCESS. JUST CALL ANYONE OF THE KEY HOLDERS AND THEY WILL LET YOU IN TO DO YOUR THING. FOR THOSE OF YOU WHO DON'T KNOW HOW THINGS ARE HOOKED UP OR HOW TO OPERATE THE EQUIPMENT, THIS WILL BE EXPLAINED TO YOU, IN THE VERY NEAR FUTURE THERE WILL BE A INSTRUCTION SHEET MADE UP ON EACH PIECE OF EQUIPMENT AND THE ANTENNA SYSTEM. ALL YOU NEED IS TO JUST ASK AND YOU WILL BE PUT ON THE AIR TO OPERATE THE STATION. REMEMBER THIS IS YOUR CLUB FACILITIES AND THE DOOR IS OPEN. JUST ASK.

SOMETHING TO THINK ABOUT

MAR. 31

THERE IS A BUS TRIP SCHEDULED FOR TRUMP ~~PLAZA~~ ^{casble} ON THE 31st OF MARCH...THE TIME IS 3:15 P.M. UNTIL 10:15 P.M., THE COST WILL BE \$7.65 PER PERSON. IF WE CAN FILL 49 SEATS UP...WE LEAVE AT 3:15 AND ARRIVE DOWN THERE AT 4:15...WE LEAVE THE CASINO AT 9:15 AND ARRIVE BACK AT 10:15...WE RECEIVE \$15.00 BACK IN COIN, AND \$5.00 DEFERRED COUPON...I NEED TO KNOW WHO WOULD LIKE TO GO, AND HOW MANY SEATS TO RESERVE ...I'M NOT SURE ON THE PICK UP POINT BECAUSE IT ALL DEPENDS ON HOW MANY IS GOING, I WANT TO PICK A CENTRAL LOCATION FOR EVERYONE...SO PLEASE LET ME KNOW IF YOU WANT TO RESERVE SEATS. THIS IS FOR YOUR FRIENDS ALSO, THEY DON'T HAVE TO BE HAMS, SO THINK IT OVER....TNX...73...MARLA...N2DWR.

FCC STILL AT WORK = "NEWS FLASH"

USE OF MAIL
ARRL BULLETIN 6 APR 1990
FROM ARRL HEADQUARTERS
MEMBERSHIP LIST FEBRUARY 1, 1990
TO ALL BULLETIN SUBSCRIBERS

THE FCC HAS ISSUED OVER 200 NOTICES OF VIOLATION TO HAM RADIO STATIONS FOR TRANSMITTING UNIDIRECTIONAL TRANSMISSIONS OR FREQUENCIES NOT AUTHORIZED TO US AMATEURS FOR THAT MODE; THESE TRANSMISSIONS WERE IN VIOLATION OF SECTION 97.303C OF THE PART 97 RULES.

AMATEUR STATIONS WERE CITED FOR THESE VIOLATIONS FROM JANUARY 2 THROUGH 13 1990 DURING THE BOVET ISLAND EXPEDITION.

10000
15202, 600 m97-402WS (REV 1/87)

ARRL DX BULLETIN

THANKS TO PAUL, K1XM AND THE SOUTHERN NEW ENGLAND DX ASSOCIATION FOR THE FOLLOWING DX INFORMATION.

FROM THE DXCC DESK. THE FOLLOWING OPERATIONS ARE NOW BEING CREDITED FOR DXCC. LU6ELF/D2 FROM ANGOLA, AND XW8CW, XW8DX, XW8KPL, AND XW8KPV FROM LAOS. ALSO, THE 5BDXCC IS NOW ENDORSEABLE FOR 12 AND 17 METERS. APPLICATIONS WILL BE ACCEPTED IMMEDIATELY. SEND AN SASE TO HQ FOR AN APPLICATION FORM.

THAILAND. FRED, K3ZO HAS BEEN ACTIVE FROM HS0B AND HS0E. HE IS EXPECTED TO BE ACTIVE THROUGH FEBRUARY 15. MEANWHILE, JOHN, K9EL IS EXPECTED TO OPERATE FROM HS0E FROM FEBRUARY 2 THROUGH 4.

EAST KIRIBATI. WAYNE, W9GW IS EXPECTED TO BE ACTIVE FOR A WEEK STARTING FEBRUARY 14 AS T32BN.

VANUATU. A GERMAN GROUPE IS EXPECTED TO ACTIVATE THIS ONE BEGINNING FEBRUARY 3 FOR A MONTH. LOOK FOR THEM ON CW ABOUT 5 KHZ FROM THE BOTTOM OF THE BAND AND ON PHONE ON THE STANDARD FREQUENCIES.

ZONE 23. RYOYF HAS BEEN ACTIVE REGULARLY ON 80 AND 40 METER CW AROUND 1100 TO 1200Z.

CRETE. SV9AKI AND SV9AHZ ARE BOTH ACTIVE ON 20 METERS SIDEBAND. LOOK FOR THEM AROUND 0600Z AND 2100 TO 2300Z.

IRAQ. YI1BGD HAS BEEN VERY ACTIVE AROUND 28540 TO 28580 KHZ FROM 1200 TO 1500Z. THEY HAVE ALSO BEEN WORKED ON 14233 KHZ AT 0600Z AND 3799 KHZ AT 0100Z.

FEDERAL STATES OF MICRONESIA. V63AO HAS BEEN ACTIVE ON 28500 KHZ PLUS OR MINUS 25 KHZ AT 2100 TO 2200Z.

GOOD DX HUNTING... TNX W1AW... WA2VXT BBS.

NEXT MONTH I HAVE A NEW UP DATED 10 METER BEACON LIST, AND I HAVE A 6 METER BEACON LIST. THESE ARE TO LONG OR LARGE FOR THIS MONTHS PAPER. ALSO I HAVE A REPEATER DIRECTORY FOR THE DELAWARE VALLEY AREA, AND I WILL TRY TO FIND ROOM FOR IT ALSO. THIS IS A CLUB PAPER AND YOUR ARTICLES AND IDEAS ARE WELCOMED. YOU CAN SEND ARTICLES VIA KB2COB-10 MAIL BOX 145.070, OR YOU CAN MAIL THEM TO ME, JUST SEND IN BEFORE LAST THURSDAY OF THE MONTH.

... TNX ... AL ... N2FJQ.

WANTED=== ANYONE HAVING THE BOOK TO OPERATE THE PROGRAM "FIRST PUBLISHER" PLEASE LET ME KNOW. I WOULD LIKE TO MAKE A COPY OF IT, THIS IS A GREAT PROGRAM THAT WILL HELP ME PUBLISH A BETTER PAPER. TNX .. N2FJQ.

DON'T FORGET YOUR XYL AND GERL FRIEND ON VALENTINES DAY.

REPEATER NEWS

de WA2TML

W2M1D 2 Meter REPEATER

Mailbox Instructions

Mailbox Messages

1. "Please call me at home"
2. "I will call you tonight".
3. "Check P B B S for Messages "
4. "Please stop at "M-Y" home".
5. "Please see me at the meeting".
6. "Please stop over to the Club".
7. "Please open the Net tonight. Thank You".
8. "I am holding your information".
9. "Call Home".
0. "Please call me at ..."

USER COMMANDS (M.P.) = THE MAILBOX PREFIX

- Interrogate Mailbox - (M.P.)
- Preview Message (0-9) - (M.P.) * (0-9)
- Send Message 0-9 TO User 1 FROM User 2
- (M.P.) (call slot 1) (call slot 2) (Msg. 0-9)
- Send Message 0-9 plus digits TO User 1 FROM User 2
- (M.P.) (call slot 1) (call slot 2) (Msg 0-9) * (digits)
- Retrieve your Mail - (M.P.) (call slot)
- Cancel Your Messages - (M.P.) (call slot) *

Over the Telephone - - - End Commands with *

An example. To send "Message 1" to N2DUZ from WA2TML the Command is: (M.P.) 74 21 1

The Repeater Mailbox can be accessed to send or retrieve mail over the Air or via the telephone. Remember, over the telephone - - end all Commands with a *.

* * * If you Don't know the Mailbox Prefix ask another Club Member, but NOT on the Air !!

None of the Repeater Access Codes , including and especially the Emergency Autodialer Access Codes should ever be broadcast over the Air.

MAILBOX CALL-SIGN SLOT LIST

as of 1-27-90

01. HOME	15. N2FJ1	29. K2OWE	43. KE2NY	57. W2DWE	71. N2DWP
02	16 N2HYS	30. KB2GW	44 K2RCH	58. N2DJZ	72. KB2ETV
03	17 A2DOT	31. WB2LNR	45 WB2THM	59. N2AYK	73. WA2SIT
04	18 AI2B	32 NM2T	46 WA2PFC	60. WB2GSF	74. N2DUZ
05	19. KB2GTT	33. N2FJQ	47. WB2UVB	61. WA2FZB	75. N2JLO
06	20 KA2PEB	34. WB2HVJ	48. N2100	62. N2FKT	76. N2IVH
07.	21. WA2TML	35. W2SPN	49 KD2CR	63. KA2OSW	77. KB2COB
08	22 N2FNF	36 WA2GFK	50 WA2USI	64. N2FKS	78. SYSTEM USE
09. KB2AYU	23. KC2PC	37. WA2FGA	51. WA2UDO	65. WB2CAK	79. SYSTEM USE
10	24. K2JF	38. WB2OYQ	52 KE2ES	66. WB2DXB	80. SYSTEM USE
11	25. W2PAX	39. KA2KMW	53. NJ2B	67. WA2ZND	
12	26 N2ASY	40. KZ2N	54. WA2TOP	68. KB2GTV	
13	27. WB2OZE	41. WA2IBZ	55. K2POD	69. N211K	
14.	28. W2GSN	42. N2AKL	56. KA2OSV	70. KN2U	

NOTE - The word "HOME" is stored in location 01



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Training

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Data (609) 488-0880

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Sales Manager

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CLUB LIBRARY

THERE ARE SEVERAL PEOPLE OUT THERE TRYING TO LOCATE DIFFERENT HAM RADIO MAGAZINES, AND DATA... WELL, I JUST FOUND OUT THAT DOWN AT THE CLUB HOME OR THE FACILITIES, WE HAVE A BEAUTIFUL LIBRARY WITH BACK ISSUES OF QST, CQ, CALL BOOKS, VARIOUS TECHNICAL DATA BOOKS. HERE IS A SAMPLE OF WHAT'S DOWN THERE....

ARRL HANDBOOK
ELECTRICITY AND ELECTRONICS
TRANSISTOR ELECTRONICS
ARRL ANTENNA BOOK
REFERENCE DATA FOR RADIO ENGINEERS
WIDE WORLD ATLAS

IF ANYONE HAS ANY PAST ISSUES OF 73 MAGAZINE, PLEASE FEEL FREE TO DONATE THEM TO THE CLUB, THEY'LL BE APPRECIATED... TNX... MARLA, N2DWR.

GENERAL INFORMATION

LLOYD'S OF LONDON, THE RISK-TAKING INSURANCE COMPANY, WILL INSURE AGAINST SYSTEM AND DATA DAMAGE BY COMPUTER VIRUSES ANYWHERE IN THE WORLD-EXCEPT IN THE U.S., BECAUSE OF THE LARGE NUMBER OF VIRUSES THERE, ACCORDING TO THE FINANCIAL TIME OF LONDON.

COMPUTER PRINTERS USED BY THE U.S. EMBASSY IN MOSCOW AND CONSULATE IN LENINGRAD WERE FITTED BY THE KGB WITH CIRCUIT BOARDS UNCODED DATA TO THE BUILDING'S POWER LINE. THE SOVIETS MONITORED THE DATA OFF THE POWER LINES, AND USED THE INFORMATION TO BREAK THE CODES USED BY THE SCRAMBLED MESSAGES OF U.S. EMBASSIES ROUND THE WORLD. THE UNAUTHORIZED BOARDS WERE DISCOVERED BY NATIONAL SECURITY AGENCY (NSA) TECHNICIANS, WHO EXAMINED THE PRINTERS WHEN THEY WERE SHIPPED BACK TO THE U.S. IN 1987 AFTER SOME MARINE GUARDS ALLEGEDLY ALLOWED KGB AGENTS INTO EMBASSY COMMUNICATIONS ROOMS... TNX... JOHN, K2JF.

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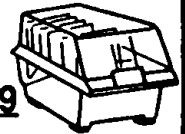
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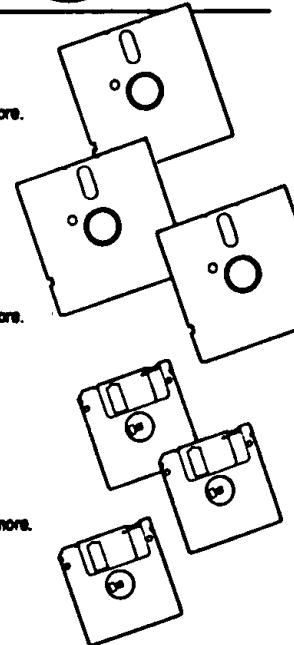
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2 3/4 x 1 7/16	1 across	5,000	\$3.75
3 x 15/16	4 across	20,000	\$2.18
3 3 x 15/16	4 across	20,000	\$2.18
3 1/2 x 15/16	1 across	5,000	\$2.00
3 1/2 x 15/16	2 across	10,000	\$2.00
3 1/2 x 15/16	3 across	15,000	\$2.00
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SUNSPOT CYCLE 22

THE CURRENT SUNSPOT CYCLE, THE 22 SUCH SINCE DETAILED RECORDS BEGAN IN 1749, OFFICIALLY STARTED IN SEPTEMBER, 1986. THE 13 -MONTH SMOOTHER SUNSPOT NUMBER FOR THE MONTH WAS 12.3, IN THE THREE YEARS SINCE THAT SUNSPOT MINIMUM. CYCLE 22 HAS ADVANCED VERY RAPIDLY.

FOR THE FIRST TWO YEARS OF CYCLE 22, THE SUNSPOT NUMBERS INCREASED MORE RAPIDLY THAN IN ANY PREVIOUS CYCLE, INCLUDING THE GRANDDADDY OF ALL CYCLES, CYCLE 19, WHICH PEAKED IN THE LATE 1950'S AT A SMOOTHER AVERAGE OF ABOUT 200. ALTHOUGH CYCLE 22 FELL BEHIND CYCLE 19 SLIGHTLY IN 1989, IT IS STILL PREDICTED TO BE EITHER THE BEST SUNSPOT CYCLE EVER, OR THE SECOND BEST, SUPPLANTING THE PREVIOUS NUMBER 2 CYCLE, CYCLE 21, WHICH PEAKED IN 1979 AT A SMOOTHED AVERAGE OF 165.

SUNSPOT CYCLES USUALLY TAKE ABOUT FOUR YEARS TO BUILD FROM MINIMUM TO THE PEAK OF SOLAR ACTIVITY. BUT CYCLE 22 SEEMS TO BE PEAKED EARLIER THAN NORMAL. THE SPACE ENVIRONMENTAL SERVICES CENTER (THE PEOPLE WHO PRODUCE THE SOLAR DATA REPORTS AT 18 MINUTES AFTER THE HOUR ON WWV, AND 45 MINUTES AFTER THE HOUR ON WWVH) SAYS THAT CYCLE 22 WILL PEAK EARLY IN 1990, PROBABLY IN FEBRUARY OR MARCH. PRESENT METHODS OF PREDICTING THE FUTURE PATH OF SUNSPOT CYCLES ARE INEXACT. BUT THE BEST GUESS OF THE PEAK 13-MONTH SMOOTHED SUNSPOT NUMBER IN EARLY 1990 IS 203. IF THE PEAK REACHES THIS VALUE, IT WILL SURPASS THE PEAK OF 201 OF CYCLE 19. TNX VP2ML/SESC/K2JF

SOMETHING TO THINK ABOUT

THE POSSIBILITY OF HAVING A CLUB BRUNCH ON SUNDAY MORNINGS AT THE DUTCH INN. WE WERE THERE THE DAY AFTER THE BANQUET AND IT WAS VERY GOOD! IT WOULD BE A NICE WAY FOR MEMBERS WHO CANNOT ATTEND THE FRIDAY LUNCHEONS AT 5 POINTS TO GET TOGETHER. PASS ALONG YOUR COMMENTS TO ME OR N2DWR...TNX...BETH, KB2EAL.

FCC EXAMS

FCC EXAMS, THIRD THURSDAY OF EACH MONTH, 7:00 PM SHARP, BELLMAWR, COMMUNITY CENTER, BROWNING RD. AND LEWIS AVE. NO PRE-REGISTRATION IS NECESSARY. FEE \$4.95. MUST BRING ORIGINAL FCC LICENSE AND COPY OF SAME PLUS SOME OTHER FORM OF IDENTIFICATION. WE SUPPLY EVERYTHING ELSE INCLUDING 610 FORMS.

...TNX...BILL, WA2VQG.

BOWLING PARTY








I HAVE GOTTEN TOGETHER A BOWLING PARTY FOR FEBRUARY THE 17TH, A SATURDAY EVENING AT LA MARTINIQUE, 501 SOUTH WHITE HORSE PIKE, IN STRATFORD, NJ.. THE COST WILL BE \$5.25 A PERSON, THAT INCLUDES THE RENTAL OF SHOES. WE WILL HAVE UNLIMITED BOWLING FOR THREE HOURS. PLEASE, IF YOU ARE PLANNING ON COMING OUT, PLEASE LET ME KNOW BY FEBRUARY THE 14TH. BOWLING TIME IS FROM 7:00 PM UNTIL 10:00 PM. THIS FUNCTION IS NOT BEING LIMITED TO CLUB MEMBERS, IF YOU WOULD LIKE TO BRING SOMEONE, PLEASE FEEL FREE. JUST LET ME KNOW IN ADVANCE. CALL OR ON RPT 147.78...TNX...MARLA,N2DWR.



February, 1990 G.C.A.R.C.



Sunday Monday Tuesday Wednesday Thursday Friday Saturday

				1 NOVICE ROUNDUP TO FEB. 4	2 LUNCH 5 POINTS DINER NOVICE ROUNDUP	3 VERMONT QSO PARTY NEW HAMPSHIRE QSO PARTY NOVICE ROUNDUP
4 G.C.A.R.C. ARES/RACES NET 147.78/18 RPT 224.66 RPT 20:00 PH NO.AMERICAN CW SPRINT	5 	6 G.C.A.R.C. 10 METER NET 21:00 PH 28.350 MHZ USB PSE CHECK IN	7 G.C.A.R.C. GENERAL MEMBERSHIP MEETING 20:00 PH WOODBURY VFW HALL PSE ATTEND	8 	9 LUNCH 5 POINTS DINER	10 YL/OM SSB CONTEST QCWA CW PARTY
11 G.C.A.R.C. ARES/RACES NET 147.78/18 RPT 224.66 RPT 20:00 PH NO.AMERICAN SSB SPRINT	12 	13 G.C.A.R.C. 10 METER NET 21:00 PH 28.350 MHZ USB PSE CHECK IN	14 	15 FCC EXAMS BELLMAWR COMMUNITY CENTER BELLMAWR,NJ. 19:00 PH SHARP	16 LUNCH 5 POINTS DINER	17 ARRL DX CW CONTEST
18 G.C.A.R.C. ARES/RACES NET 147.78/18 RPT 224.66 RPT 20:00 PH PSE CHECK IN	19 	20 G.C.A.R.C. 10 METER NET 21:00 PH 28.350 MHZ USB PSE CHECK IN	21 G.C.A.R.C. BOARD OF DIRECTORS MEETING 20:00 PH CLUB SITE ALL ARE WELCOME	22 	23 LUNCH 5 POINTS DINER CQ WW 160 M SSB CONTEST	24 MAINE QSO PARTY YL/OM CW CONTEST
25 G.C.A.R.C. ARES/RACES NET 147.78/18 RPT 224.66 RPT 20:00 PH PSE CHECK IN	26 	27 G.C.A.R.C. 10 METER NET 21:00 PH 28.350 MHZ USB PSE CHECK IN	28 DEADLINE FOR CROSSTALK	<p>3:15 10:5 \$10/person Trump Castle Pay by March 10</p>		

