W2MMD

Gloucester County Amateur Radio Club

1995 Officers

President	Marla Bozarth	N2DWR
Vice President	Bob Krukowski	WA2UDO
Treasurer	Al Arrison	KB2AYU
Recording Sec.	Mark Mastrogiacomo	KE2WC
Corres. Sec.	John Fisher	K2JF

Directors

Three-Year	Chuck Colabrese	WA2TML
	Goldie Rosenberg	N2YNB
Two-Year	Joe Wells	N2KLE
	Bill Burbage	N2QEB
One-Year	Walt Seitz, Jr.	KB2JCG
	John Lloyd	KA2EZN

Trustees

Four-Year	Barbara Bielecki	N2SBP
Three-Year	Chris Chamberlin	N2IVN
Two-Year	Charlie Olinda	N2SRQ
One-Year	Steve Brodhead	KB2RTZ

GCARC Meetings

General Membership:

8 p.m., 1st Wednesday every month, Deptford Elks Lodge, Highland Ave., one block from Egg Harbor Road.

Board of Directors:

8 p.m., 3rd Wednesday every month, GCARC site, Harrison Twp. 4-H Grounds (approximately one mile south of Mullica Hill on Rt. 77).

1995 Committee Chairpersons

Advertising	Ray	N2WHL
ARES/RACES	Chick	WA2USI
Awards	Jack	K2ZA
Banquet	Bob	WA2UDO
Budget ★	Marla	N2DWR
Callbook Info.	John	K2JF
Clubhouse Site ★	Steve	KB2RTZ
Constitution ★	Ken	KN2U
Crosstalk	Greg	WN2T
	Don	N2WFM
Data Processing	Charlie	K2PQD
DX	John	K2JF
Field Day ★	Art	KA2DOT
Hamfest ★	John	KA2EZN
	Bill	N2QEB
Help	Ken	KN2U
Hospitality ★	Glenn	N2YIO
Legislation	John	K2JF
Membership★	Sonny	WB2DXB
Nets	Dave	N2TVR
Nominations	Charlie	N2SRQ
Publicity ★	Ray	N2WHL
Repeaters ★	Chuck	WA2TML
Scholarships	Greg	WN2T
Special Services	Al	N2FJQ
Special Events	Walt	WB2OYQ
Sunshine	Goldie	N2YNB
Technical	Ken	KN2U
Training & Testing	Bill	WA2VQG
TVI	John	K2JF

(★ Standing Committee)

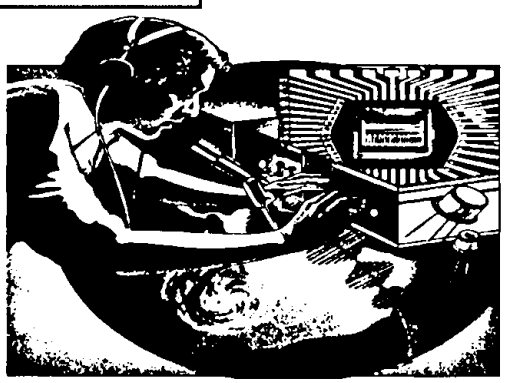
NETS

ARES/RACES - Sundays, 2200 Hrs
(147.780/180 & 223.06/224.66 Repeaters)
10 Meter - Sundays following the ARES/RACES net (28.350 Mhz)

Club Repeaters

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

SPECIAL SERVICE CLUB ARRL



GLOUCESTER COUNTY AMATEUR·RADIO·CLUB NEW JERSEY

APRIL **Crosstalk** 1995

President's Message

Spring has arrived!!! I saw the first robin red-breast on March 12!! The crocuses are peeping out, and the flowers are beginning to bloom. This is a beautiful time of the year!! The world is beginning to come out of hibernation !

The banquet was a huge success!! A big THANK YOU to Bob (WA2UDO) for all the hard work he did!! It was appreciated by all!! There was lots of food and dancing and even door prizes. Wait until next year!! A list of the doorprize donors will be in the Crosstalk in another article. Look for it and patronize the local businesses. It was nice of them to donate prizes.

I contacted the March of Dimes to see if they needed our services for the Walk-a-thon on the 30th of this month. Usually they notify us months in advance. This year, we haven't heard anything. As soon as I find out where the route is this year, and how many rest stops they have, I'll be asking for volunteers to man the posts. I'll be checking the Hamfest calendar so there won't be a conflict with scheduling, because --

Get ready for this -- the GCARC 3rd Annual KITE FLY DAY is in the planning stage!!!!! Yes... the GCARC Kite Fly Day is quickly approaching. It will be held down at our Clubhouse and EVERYONE is encouraged to attend. The more the merrier!!!

The date will be in May, so stay tuned for more info. It will be a covered dish luncheon, so figure out what you'd like to bring, and let me know. We'll need a few grills, a volleyball net with accessories ... a few cooks ... sunshine and a nice breeze. If your spouse has never come out to a club function, here it is!! How can they refuse a day out with the kids??? The price is right!!!! I'll have a list in the Crosstalk of items needed. If you can come out and bring an item, let me know so I can cross it off!!!!

One year I think the one person who had the most fun was John (K2JF)!! You should have seen him fly his kite!!!! There were a few kites lost ... the string came off one, and away it blew. Yep, of course, it belonged to my youngest! Poor Billy!! So try to make plans to come out. I guarantee you'll have fun.

I don't know what the program is for this month's general membership meeting, but I'm sure Bob planned a good one!! I hope to see you at the meeting on April 5th.

Until then, have fun hamming, and GOOD DX!!! Oh ... don't forget, if you get a call to help out with an event, please agree to help out for a little while ... and .... LET'S GET INVOLVED (See, I had to say it at least once)!!!!!
C U L .... 73, Marla

❖❖❖❖❖❖❖❖❖❖❖❖❖❖❖❖❖❖❖❖❖❖❖❖

1995 GCARC Banquet/Officer Installation

By now the alarm system should be installed. See Jack (KB2RJN) for your special code to get in. Before you work any of the new equipment, please see Ken (KN2U) to set up an appointment to learn how to work the new gear. NO ONE is to operate the equipment without being checked out first. If you have any club owned property, please see Barb (N2SBP) to set up a time for you to return it. Thank you for holding it while the renovations were occurring. Now the fun can begin!!!

In This Issue:

1. **PQD's Honest Antenna Scoop**
2. **A marriage saved by ham radio - Kyle Cassidy (KB2RVY) tells how**
3. **STRATWARM - A sunny forecast by John, K2JF**
4. **Want to operate the Club station? You need to read the regs!**
5. **DX Report by K2JF - MUF ???**

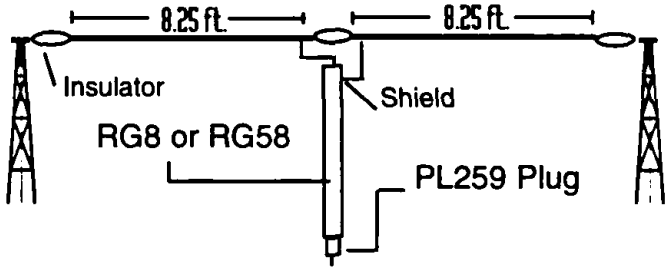
Honest Antenna Talk!

Coming in contact with new up and coming Hams it seems the question first in their minds is what about an antenna. So let's start off with that in mind. First we must decide what band or frequency will be our choice. Let's say the 10 meter band, and we are to operate around the middle of the spectrum. The 10 meter band has a frequency span from 28.0 MHZ to 29.7 MHZ so our operation will be 28.4 MHZ. This is in the middle of the band where most new people coming into the Amateur ranks will operate. So let us find out the length of the wire to be used. We can use the formula from the ARRL HANDBOOK which uses the constant 468. This constant is used for antenna calculations for the High Frequency bands which range from 1.8 MHZ to 29.7 MHZ. To find our wire length just divide the constant of 468 by the frequency in MHZ. Now that means the antenna will be that long from end insulator to end insulator. This is known as a 1/2 wave antenna. Half-wave antennas are also known as dipoles.

Dipoles have been with us for a great many years and have proven to be inexpensive, easy to erect, and receiving good reports of our signal. Let's look at the parts we need to erect this great antenna. First we need two end non-conductors and a center insulator. Also, we need a feed line to carry the signal to and from the transceiver. In our discussion we will use 50 ohm coax as it will match the output of our transceiver. The plug at the input end of the line in most cases will be a PL 259 and the output end of line will be connected to the center of the antenna. The shield of the coax will be connected to one side of the center insulator while the center conductor will be attached to the other side. All connections must be soldered for good electrical, mechanical and lasting connections.

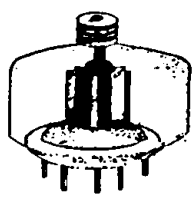
The last part in getting the antenna up and operating is the supports. In our case for the 10 Meter dipole we can connect it to the house or poles and maybe a tree that is in the right place. Whatever the antenna is connected to try to have it high and clear of any other objects. If by chance the wire cannot be in a straight line then bend it, but do not bring it back on itself as this will cause cancellation of the signal. Make sure your equipment is well grounded but we will take that up at a later date. One last thing about erecting sky wires -- take care not to come close to electrical supply lines while working.

Example: Half wave Dipole, length = 468 / 28.4 - Antenna length: 16.5 ft



Read the ARRL HANDBOOK for more and interesting antenna information. Good luck on your endeavor and if you need more advice give me a call.

The Old Grey Fox Charlie, K2PQD.



DX Report by John, K2JF

SPRATLY ISLANDS. Yet another group has announced plans to operate from "Spratly." This operation is to be from Layang Lagang Island, the Malaysian claimed part of the Spratly Islands. This DXpedition will be from March 29 to April 3. The operator list consists of JA9AA, JA9AG, JR9GBJ, JS1QHO, 9M6BZ, 9M6JC and 9M6ST. Two of three stations will be on the air full time, with plans to operate CW, SSB, RTTY and SSTV signing 9M0A. For CW try 1825, 3502, 7002, 10102, 14002, 18070, 21002, 24940, 28002 and 50110 kHz. On SSB try 3790, 7080, 14195, 18115, 21295, 24990, 28495 and 50110 kHz. For RTTY try 7029, 14080, 21080 and 28080 kHz. SSTV will be on 14230 and 21330 kHz. QSL via JA9AG. The Philippine Amateur Radio Association, PARA, will be leading a team to the Spratly Islands and operate as DU0K on all bands and modes from April 10 to 16. QSL via DU9RG.

LAOS. Reports from the Ohio/Penn and Tokyo PacketCluster Networks indicate a station signing XW1 as being on the air. The Tokyo node reports the operator is JH1AJT. Check around 14195 to 14200 kHz between 1300 and 1400Z, and again from 0000 to 0100Z. QSL via JH1AJT.

CU Azores—CU9/CU7AA & CU9/CU7BC April 13-16. Usual DX freq. ET Ethiopia— ET3BT try 14226 kHz at 1945Z.

FG Guadalope— DL1XAQ & DL9XAT April 4-8. Try the IOTA freq. FR/G Europa—FR5HG/E will be on Europa until April 20, 40 to 10 meters SSB,CW,RTTY,and SSTV. J2 Djibouti— Look for J20SF April 14-21. Usual DX frequencies. J3 Grenada— J37P & J37Q will be active April 12-21. Usual DX freq. J6 St Lucia— J6/DK1RP, Peter, is active CW, April 11-29. JW Svalbard— Three YLs will operate from a glacier on Spitsbergen April 8-12. Watch 14247 and 21247 kHz. KH0 Marianas— KH0/JF2MBF will operate April 7-11. Qsl Japan CBA. VR2 Hong Kong—

Cont. next page ...

IMPORTANT

The question has been asked: If I wish to operate the Club's station W2MMD, what are the requirements ?

➪ For you to operate the Club station you must have posted at the Club station, or on your possession a copy of your license.

➪ You can operate the Club station, which is an EXTRA class licensed station (the Trustee of the call is a licensed Amateur Extra Class), using YOUR call -- BUT, only to the level of your license. That is to say, you must stay within your Novice/Technician/Plus privileges. If you want to operate OUTSIDE your privileges, an operator holding higher privileges must be present at the control point. You may operate up to his or her operating privileges. If an Amateur Extra Class is present, you may operate all bands and you would sign YOUR CALL/ W2MMD to indicate that a control operator is present.

➪ To operate the station as W2MMD you may use the station call up to your operating privileges. If you want to work the station as W2MMD outside of your license class, you must have a higher classoperator present and you may work up to his class privileges.

➪ After a contact has been made using the call W2MMD, place the contact in the log using UTC time, and at the far end of the log place your call.

➪ After a contact has been made where you used YOUR call, indicate in the W2MMD log YOUR CALL, STATION CALL, and TIME of contact. (Tnx K2JF)

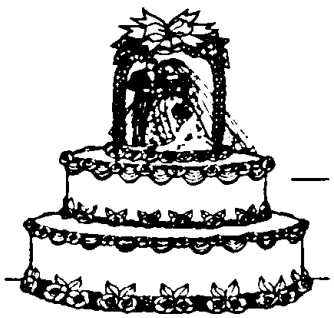
Deadline for May CROSSTALK: April 21, 1995

Send copy to WN2T, N2WFM directly or on Packet to K2JF, via KF2AW (145.070) - -Mark Attn: Crosstalk

HOW HAM RADIO SAVED MY MARRIAGE

by Kyle Cassidy (KB2RVY)

It became evident that if my wife, Linda, and I were to continue with our respective careers we would have to live apart for at least a year and a half, probably longer. She needed to be in center city Philadelphia, and my job required some proximity to Glassboro, N.J. At first the distance was interminable, as were the phone bills which started at about $40 a month and escalated like a fire in a gunpowder factory. Keeping in contact became a major problem. Often I would go to the city on my days off to discover that Linda had gone somewhere with a friend -- but where? She might be only 200 feet away from me and I would never find her in the squalor of urbana.



Getting Internet accounts alleviated some of our anguish. As electronic mail messages zipped back and forth between our terminals, my phone bill went back to zero. But this was a hack, not a solution. Occasionally, long hours at work would keep Linda from her terminal for days at a time, sleeping on the prickly green sofa in her studio. Important messages ("I'm coming over on Thursday and bringing 15 friends, can you make sure there's enough food for everybody?") sometimes went unread until after the critical moment had passed.

After observing our comedy, one of my co-workers, Stuart Cleveland (N2WUP), said, "You know, you two

Cont. next page...

DX Report, continued ❑❑❑❑❑❑

VR2/DF8AN April 6-13, possible some XX9, Sunset 2210Z, Sunrise 1045Z. ZD8 Ascension Is— Jim, N6TJ, signing ZD8Z,was worked 21250 kHz at 2000Z on Wednesday. 5V Togo — 5V7MD was active on a net 14247 kHz at 2300Z. 8Q Maldives— 8Q/HB9DIF April 16-29, usual 40-10 meters. CW only. 9H Malta— 9HITZ & 9H1TY will be there till April 7. Usual DX freq. 9N Nepal— 9N1/DF8AN March 22 to April 5 mostly CW.

DX Amateurs on Regularly

DXCC Country	Callsign	Freq	UTC
Azerbaijan	4K6DFT	7007	01-0300
East Malaysia	9M8DB	3799	1215
Gambia	C53HG	7012	2245
Israel	4X6TT	18145	1330
Korea	HL9HH	3513	1045
Kuwait	9K2ZZ	24933	1430
Malta	9H1CG	1827	0300
Mauritius Is	3B8CF	7006	0230
Phillippines	DU7CC	1831	1300
So.Shetlands	VP8CQS	7007	0100
Svalbard	JW0I	7003	0400
Syria	YK1AO	7007+/-	1515 Wed.
Zambia	9J2SZ	7004	2330+
Zone 29	VK6HD	3505	1045+
Zone 29	VK6DX	14010	2300+

Don't forget the SSB DX Nets: 14226 (1530-1900Z) 14247 (2100Z) and 21335 (1800Z). Tnx: The DX Bulletin, QRZ DX, and other DXers.> K2JF

SAVED MY MARRIAGE, cont...

are prime candidates for ham radio. Not only could you talk with one another, but thousands of other people." He got us tickets to the August 12 hamfest and loaned us a Gordon West book.

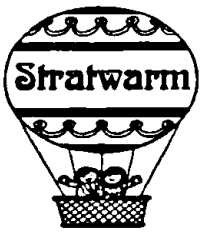
Now, ham radio has always had a dear spot in my heart -- about seven years ago I actually went out and purchased an Icom 220HT, hoping that the investment would motivate me to take the test and get a license. I pulled it out of the drawer, beneath a heap of old post cards, chess pieces, and Star Wars action figures, blew off the dust and stared at it thoughtfully.

Thanks to Gordon West we passed our exams with no difficulty. Throughout the days that followed, the Internet rec.radio.amateur.misc became a constant companion -- especially the messages entitles: "Only XXX days for my license to arrive!" After six weeks and one day, ours showed up. Beneath my mild mannered exterior, I was not KB2RVY and Linda was N3TPK. The next time I was in the city and Linda wasn't home, a call on the HT returned, "KB2RVY, N2TPK ... I'm at the Golden Dragon Restaurant. Come on over, we just got here. Shall I order something for you?" Which was decidedly better than an afternoon of sitting in an empty apartment watching soap operas and staring at Thunderbelly, my wife's forlorn and lethargic cat, as it crawled from one patch of sunlight to another, pausing intermittently to beg for food.

Linda, the only one of us known to be less dangerous with a soldering iron, got the ARRL handbook out of the library and constructed a pair of base antennas, which we promptly mounted on our respected roofs. She also took a trip to the radio station at the Franklin Institute and talked with several hams who recommended various amplifiers (one watt from an HT just doesn't cut it from Philly to N.J. on simplex -- though she can hit W2MMD).

Although we're not the sort cut out for contesting, we decided to have a go at the ARRL's "Friendship Award," which seemed simple enough: Talk to 26 different people whose calls signs ended in a different letter of the alphabet. We were on our way into the bowels of amateur radio. We were staying in touch with each other and meeting new people at the same time. All the while we were learning about emergency communications, preparedness, how to build an antenna from a coat hanger, and the amateur service in general. After you're a ham for a very short time, you start assuming that everyone else is and people who aren't slip from your mind. This starts slowly at first, but now we neglect our non-ham friends quite regularly. "You left a message on the answering machine? Sorry, mom. You should have given me a shout on 20 meters. We don't listen to the answering machine messages anymore."

Remember! Deadline for GCARC $500.00 scholarship application is April 26. See WN2T for details 🗁🗁🗁



For those who might be interested in amateur low frequency operation around 190 kHz (talk to N2NH) the information on Stratwarm may be of help. For the HF fellows in the Club, the Coronal Hole and CME information may be of some use. Good luck.

STRATWARM: A code word designating a major disturbance of the winter, polar, middle atmosphere from the tropopause to the ionosphere (some 40 to 60 km) lasting for several days at a time and characterized by a warming of the stratospheric temperature by some tens of degrees. There is no evidence that stratwarms are caused by solar events, or that they affect the lower atmosphere (in fact, the disturbance may be generated by tropospheric conditons).

With the above information the "Top Band" boys can use the information for over the pole or for U.S.A., to EU and Asia. The D region of the ionosphere, beginning at approximately 40 km to 90 km altitude is affected by a STRATWARM condition and the 160 meter band relies on the D and E

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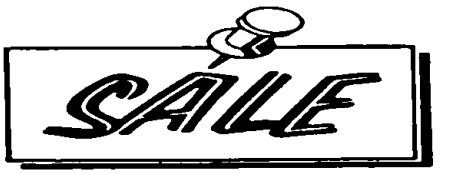


DENTRON SUPER TUNER PLUS antenna tuner, handles 1 kw on CW and 1200 watts PEP on SSB. Includes heavy-duty balun for balanced lines. $60.00.

DSI FREQUENCY COUNTER (Model 3550) w/manual and AC power cube. Freq. range is 50 hz to 550 mhz $50.00.

DRAKE 2C RECEIVER w/manual and 17 band crystals (excellent second receiver or a fine first receiver for beginner) $75.00.

SONY ICF-2010 portable receiver w/manual and SONY AN-1 Wide-Range External Antenna. Freq. range: AM/SSB/CW 150 hz to 30 mhz; FM 76 to 108 mhz; Air 116 to 136 mhz. Considered by many the best of the portables. $175.00.

MFJ MULTIMODE DATA CONTROLLER Model 1278. Hardly used. $150.00.

Diamond SWR/Power Meter Model SX-200 w/instructions. Freq. range 1.8 to 200 mhz. Power range: 5w/20w/200w. $65.00.

4-legged ROOF TOWER. Height about 6 feet. Your roof will come off before the tower will collapse. Very heavy, galvanized unit. Cound be used as a ground base as well. $50.00.

GLOBE SCOUT AM/CW Crystal Controlled Transmitter w/manual. It works; I've had it on the air. Also, GLOBE VFO -- same vintage but doesn't work (someone tried to make it over!! They didn't succeed). Would be great case for building new small transistor VFO and other circuits. You get with the GLOBE SCOUT ... all for $35.00.

Contact Herb Schuler, K2HPV,

Stratwarm. cont...

layers for its tranmission abilities. Stratwarm reports are generally used for the lower navigation systems like the OMEGA, which consists of eight transmitters located throughout the world. During various geomagnetic storms and also stratwarm, the system can give navigators information that is inaccurate by as much as several miles.

Coronal holes are variable solar features that can last for months to years.They are seen as large, dark holes when the sun is viewed in x-ray wavelengths. These "holes" are rooted in large cells of unipolar magnetic fields on the sun's surface; their field lines extend far out into the solar system. Thes "open" field lines allow a continuous outflow of high-velocity solar wind. Coronal holes have a long-term cycle, but it doesn't correspond exactly to the sunspot cycle; the holes tend to be most numerous in the years following sunspot maximum. At some stages of solar cycle, these holes are continuously visible at the solar north and south poles. It must be realized that the CORONA is the outermost layer of the solar atmosphere, charcterized by low densities and very high temperatures in the order of 10^6K. During the time of low or high sunspot activity we get CMEs or CORONAL MASS EJECTIONS.

The outer solar atmosphere, the corona, is structured by strong magnetic fields. Where these fields are closed, often above sunspot groups, the confined solar atmosphere can suddenly and violently release bubbles or tongues of gas and magnetic fields called coronal mass ejections (CMEs). A large CME can contain 10^15 grams (a billion tons) of matter that can be accelerated to several millions miles per hour in a spectacular explosion. (F= KE= 1/2 mv^2). Solar material streaks out through the interplanetary medium, impacting any planets or spacecraft in its path. CMEs are sometimes associated with flares but usually occur independently.

Tnx SPACE ENVIR.LAB/K2JF

THANKS!

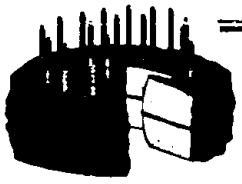
Thanks to all of these great people for providing door prizes at our Club banquet:

Ham Radio Outlet	**Oak Valley Pizza**
Five Points Diner	**Electronic World**
AMC Movie Theaters	**AmerEagle Duplicating**
Staples	**Warrens Hardware**
Micken Gutter Helmet	**Moores Greenhouse**
Mantua Creek Nursery	**Video Trading Post**
Gladys Fisher	**Goldie (N2YNB)**
Barb (N2SBP)	**Marla (N2DWR)**
Donna Siericinski	**Sherrie Dornberger-Davis**

And to Bob Krukowski, WA2UDO, for arranging the banquet facilities! **xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx**

I thought the membership might be interested in knowing what's included in the "mystery envelope" given to our new members. Here it is: 1) A membership roster; 2) A pamphlet about the Club; 3) A copy of our constitution; 4) A repeater information sheet; 5) A copy of Crosstalk; 6) A Club decal.

If you have any questions or suggestions about this packet, please get in tourch with me. Sonny Gutin, WB2DXB, Membership Chair.



Happy Birthday

AI2B	RAYMOND METZGER	2
N2WIB	WILIAM R WYATT JR	4
KA2EZN	JOHN P. LLOYD	4
KB2TMZ	PHILLIP T. CICCONE	6
KB2RHD	HERBERT R. HENNEY III	6
N2AKL	ROSLYN MARDER	7
KB2DHQ	JERRY FRIEDMAN	8
N2UNG	DREW JACKSON	9
N2STQ	WILLIAM KING	10
W2PAX	GURDON E. COOPER	12
KD2CR	LEONARD KRAVITZ	17
N2FNF	IRMA R. COLABRESE	18
N2SRO	MIKE MOLLET	18
KB2RJN	JOHN P. PASTERNAK JR	20
K2JJC	EDWIN S. STETSER SR	21
WB2OCR	RICHARD J. NETHERBY	21
WA2UDO	ROBERT L. KRUKOWSKI	24
N2MHO	MICHEAL HARLA	25
KA2TLB	STEPHEN F. SWIERCZYNSKI	25
	EDWARD W. RAIVELY	26

THANKS K2PQD, DATABASE

INTERNET PICKIN'S

by Kyle Cassidy, KB2RVY

FTP:

oak.oakland.edu has by far the most comprehensive directory of ham radio files. The index file alone is ove 170 pages. Contents range from pictures of old equipment, frequently-asked-questions (FAQ) files, lists of elmers by subject, lists of clubs by state, morse code tutors, satellite trackers, and all sorts of other files. There are subdirectories for many computer platforms: IBM, Macintosh, Apple II, Amiga, and others.

TELNET:

Using telnet to connect to callsign.cs.buffalo,edu 2000 will get you a searchable on-line callsign directory.

WWW:

http://www.acs.ncsu.edu/HamRadio is part of the Amateur Radio server. It has links to dozens of other ham radio sites, including Newsline, Sarex pages, satellite pass prediction gateways and loads of other files such as FCC Part 97 rules and ftp sites.

The ARRL can be reached via the Web at http://www.acs.oakland.edu/barc/arrl.html. They've got the usual stuff you'd expect from the League: membership information, publications, etc.

The Boston Amateur Radio Club can be seen at http://www.acs.oakland.edu/barc.html. They have callbook servers on-line.

USENET NEWS GROUPS:

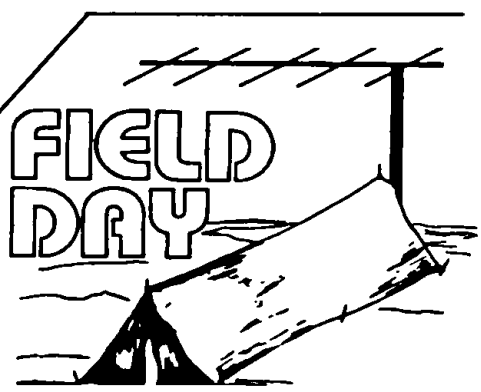
rec.radio.amateur.antenna
rec.radio.amateur.digital.misc
rec.radio.amateur.equipment
rec.radio.amateur.homebrew
rec.radio.amateur.policy
rec.radio.amateur.space
rec.radio.cb
rec.radio.info
rec.radio.noncomm
rec.radio.scanner
rec.radio.shortwave
rec.radio.swap

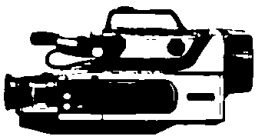
Would you like a monogrammed Club Jacket ____

Call New Jersey Monogramming in Erial, New Jersey, at 784-2827. Ask about pricing and special specifications.

It Won't Be Long Now!!

Volunteers Needed for Field Day!
See Art, KA2DOT, for an assignment.
Let's make this another great Club operating event!





HAM NEWS

Hacker Tracker to Speak in Dayton... On a lighter note, word that computer hacker Cliff Stoll, K7TA, is making a return appearance at the Dayton Hamvention. Stoll, author of the best selling book, The Cuckoo's Egg and the soon to be released Silicon Snake Oil will return as the featured speaker at the 1995 Dayton Hamvention Grand Banquet.

Stoll wowed the Hamvention banquet audience two years ago with his dynamic and often irreverent discourse on tracking down spies on the Internet. This time around, K7TA will talk about the hype, superhype, and megahype surrounding the Internet, which many are trying to sell as America's electronic superhighway. Cliff's theme this time around is simple. He says that the Internet may be the great digital frontier, but it's a land without a soul and will never replace ham radio.

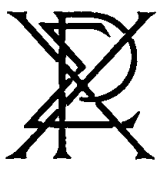
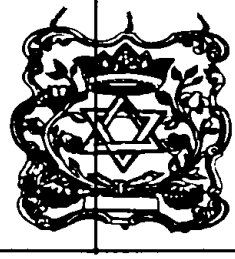
The Hamvention banquet will be held on Saturday evening April 29 at the downtown Dayton Convention Center. For ticket information call Dayton Hamvention at 513-276-6930 and press Number 6 once until you get an answer.

*Thanks to **Amateur Radio Newsline** for story (Feb. 26, 1995 Internet Download).*

Congrats to K2JF for placing 8th in South Jersey Section in the ARRL 160 Meter Contest ... 100 watts.

☺☺☺☺☺☺☺☺☺

April 1 - 30, 1995

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						April 1 EA RTTY Test 1/2 Spring QRP to the Field Test 1/2 SP DX TEST 1/2
April 2 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz	**April 3**	**April 4** Ham School - Bellmawr 7-9:30 p.m. (General Code and Theory) W1AW Qualifying Run, 35 - 10 wpm	**April 5** GCARC General Membership Meeting 20:00	**April 6**	**April 7**	**April 8** Grid Location Test - 8/9 MARAC County Hunters SSB Test - 8/9 QRP ARCI Spring QSO Party - 8/9
April 9 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz	**April 10**	**April 11** Ham School - Bellmawr 7-9:30 p.m. (General Code and Theory)	**April 12** DXYL-NAYL Test, CW - 12-14	**April 13**	**April 14** Japan Intnl DX Test, CW - 14-16 SARTG Worldwide AMTOR Test- 14-16	**April 15**
April 16 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz	**April 17** ARRL Spring Sprint, 144 mhz	**April 18** Ham School - Bellmawr 7-9:30 p.m. (General Code and Theory)	**April 19** 20:00 GCARC Board of Directors Mtg	**April 20**	**April 21** Deadline May Crosstalk	**April 22** Hamfest- West Windsor NJ - 22/23 Friendship Test - 22/23 10-10 Intnl Net Spring QSO Party - 22/23 YU DX Test
April 23 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz	**April 24**	**April 25** Ham School - Bellmawr 7-9:30 p.m. (General Code and Theory) ARRL Spring Sprints, 222 mhz	**April 26** W1AW Qualifying Run, 10-35 wpm DXYL-NAYL Test, Phone - 26-28	**April 27**	**April 28** Dayton Hamvention 28-30	**April 29** Helvetia Test 29/30
April 30 20:00 ARES/RACES 20:30 10 mtr Net - 28.350 Mhz			Happy Holidays			

2 METER REPEATER
EMERGENCY NUMBERS
EMERGENCY AUTODIAL ACCESS

CODE	SERVICE	
7911	Gloucester County Fire & Ambulance	589-0911
7912	N. J. State Police (Bellmawr)	933-0550
7913	Camden County Police	783-4900
7914	Camden County Fire & Ambulance	783-4444
	Clayton Police	881-2300
	Deptford Township Police	845-2220
7915	Franklin Township Police	694-1414
	Gibbstown Police	423-1900
	Glassboro Police	881-1500
	Mantua Township Police	468-1900
	Monroe Township Police	728-0800
	Paulsboro Police	423-1100
7916	Pitman Police	589-3500
7917	Washington Township Police	227-1212
	West Deptford Police	845-2300
	Westville Police	456-0028
7918	Woodbury Police	845-0064
7919	KA2KMW Ed Wargo	Daytime Control Operator
7910	WA2USI Chck Naylor	Nightime Control Operator

USER FUNCTIONS 147.18 MHz

Touchtone Test	3* & Numbers
Time	360
Time-Out Timer Reset	2310
Autpatch Access Code	________
Autodialer Access Code	________
General Reverse Patch 589-1878	1# After Greeting
Directed Reverse Patch 589-1878	Access Code________
To Answer On-Air Reverse Patch	Send *
To Terminate Any Patch	Send #

Custom Hang-Up Code . . . . . (*) (3 digits) Before Patch

Gloucester County Amateur Radio Club

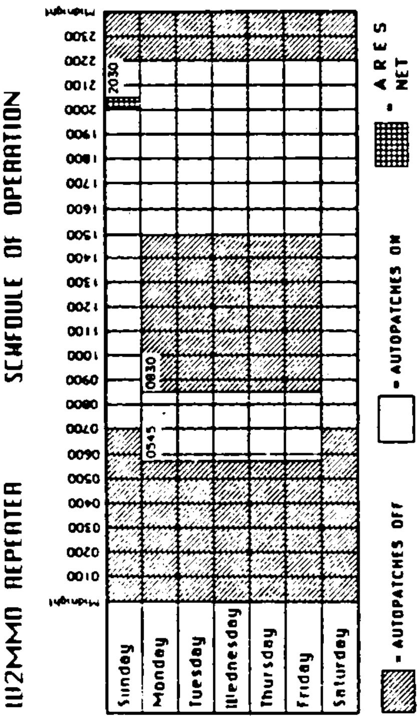
W2MMD REPEATERS

W2MMD

Frequencies Mhz. Input/Output
147.780 / 147.180
223.060 / 226.660
447.100 / 442.1.00 (PL 131.8Hz. - 3B)

CLUB SITE PHONE NUMBER

AUTODIAL SLOT 78



W2MMD 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

The Mailbox Prefix (M.P.) is	19
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 #

CALL	SLOT