

Feed Line



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Update ... Engineering & Repeaters

By Arch, KT4AT

Engineering Chairman

UHF Machines: The two UHF Mastr2's have been re-assembled into the tall cabinet which came from Guilford College. For the top machine, we swapped power supplies with the top VHF machine, as explained previously. Both UHF machines are functional. We will need to find the best practical way to swap them (jumper rigidity issues, and also detuning issues). The voice synthesizer has been turned down a little bit, and a cap was changed on the audio delay board to provide a little more lows in the audio bandwidth.

Soccer Tournament Antenna Special:

Several antenna design candidates have been simulated on the computer. Most promising is a small three-band log-periodic V-Array design (VHF/UHF/1.2G with respectively 8, 12, and 16 dBi gain). Second promising is a dual band Yagi (VHF/UHF).

VHF Repeater Outage: Due to the failure of a 120V AC surge suppressor box, 145.15 was out of commission for one night this month. Was turned back on the next morning.

Command Code for DVR audio test: It is done. "444" has replaced "4***". Up and operational.



Two-meter repeaters on left and the new 440 machines on right. (Photo by N4GVK)



Feed lines attached to wall duplexers box. (Photo by N4DFA)



Arch, KT4AT, Engineering Chairman and Carlton O'Rork, N4DFA, assemble the 440 repeaters in the rack. (Photo by N4GVK)

IN THIS ISSUE

- GARA membership tours RF Micro Devices, of Greensboro, for regular club meeting. As a special treat, the members also toured the facility Ham station.

- Special Insert - This month's center page is the Amateur Radio Band Plan chart courtesy of Icom America. GARA would like to thank Icom for giving us permission to reprint the chart.

GARA Members Tour RF Micro Devices for Regular Meeting

REGULAR MEETING
September 26, 2005

The regular monthly meeting of the Greensboro Amateur Radio Association was held Monday evening at 6:30 at the facility of RF Micro Devices for a tour of the facility. The tour began with the Ham station, KG4KLM, for the facility. Eric Brown, WF4I, explained to the members about the station and gave the members a tour of the antennas on the roof of the building.

The tour continued by Jim Christianson of RFMD, in which he

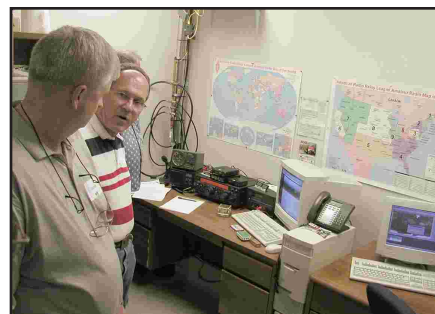
explained the process by which the "Gallium Arsenide Heterojunction Bipolar Transistor (HBTs) are manufactured.

Jim gave an informative lecture on the production process and using large-scale example models of the wafers from which the chips are produced.

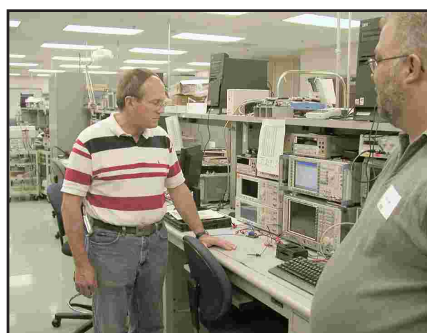
The RF power amp chips are used in modern cellular telephones.

The tour concluded at about 8:55 pm. The members thanked the tour guides for a very nice program.

Respectfully submitted, Tom Forrest, N4GVk, Secretary



More photos on page 6...



Ham Happenings NEWS briefs

Larry Lee, KC4OUC, of 1468 Alamance Church Rd., became a silent key Monday Sept. 5th at Moses Cone Hospital. Services were held at the True Light Baptist Church in Greensboro. GARA sends sympathy to the Lee family.

Ronald Mangum, K4GPL, became a silent key October 8. He was a member of the old now disbanded Greensboro Radio Club. He was a very active 2 meter DX hound and an expert in Transmitter Hunts. Many probably remember Betty Mangum, WA4CCK his first wife. Our thoughts and prayers go out to the family.

ARRL Calls on FCC to Shut Down Virginia BPL System

NEWINGTON, CT, Oct 13, 2005--In support of Amateur Radio complaints of interference, the ARRL today formally asked the FCC to instruct the City of Manassas, Virginia, to shut down its broadband over power line (BPL) system. Communication Technologies

(COMTek) operates the BPL system over the municipally owned electric power grid. The League says the facility has been the target of unresolved interference complaints dating back at least to early 2004, none of which has resulted "in any action or even interest" on the part of the

FCC's Office of Engineering and Technology (OET) staff. In the meantime, the ARRL goes on to say, interference to local Amateur Radio stations continues.

"The Manassas system currently causes harmful interference, and it is not compliant with applicable FCC Part 15 regulations, including Section 15.5," the ARRL said in a 16-page filing to the OET and the FCC's Enforcement Bureau. "Whatever actions either Manassas Power or Communication Technologies Inc might have taken to relieve the problem have

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----- For Sale -----

Bearcat BC 200 XLT scanner 200 channels \$75.00 -- Yaesu Dual band VX1 HT. about the size of pack of Cig. \$100.00. wide band receive. Contact Roy smith, N4BYU at 674-6131 or e-mail n4byu@arrl.net

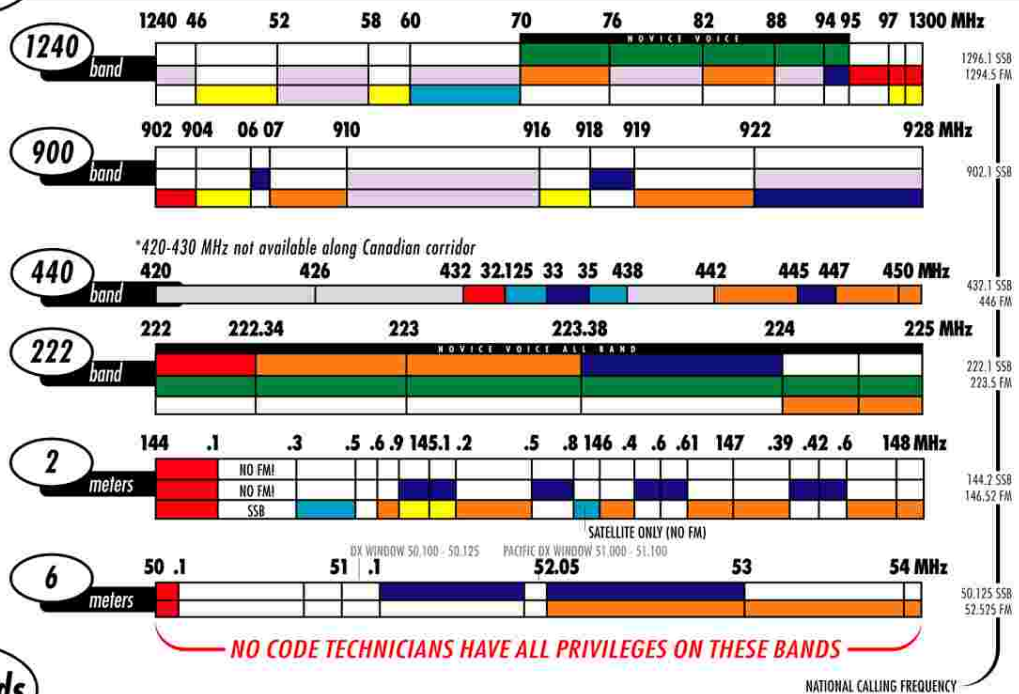
Yaesu FT-8900R "Quad-Band", 10m/6m/144/430, Like new condition; original owner. All manuals & hardware + original box. Asking: \$275 Contact: KE4MOW, Bob Mays, 272-2494

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AMATEUR RADIO BAND PLAN

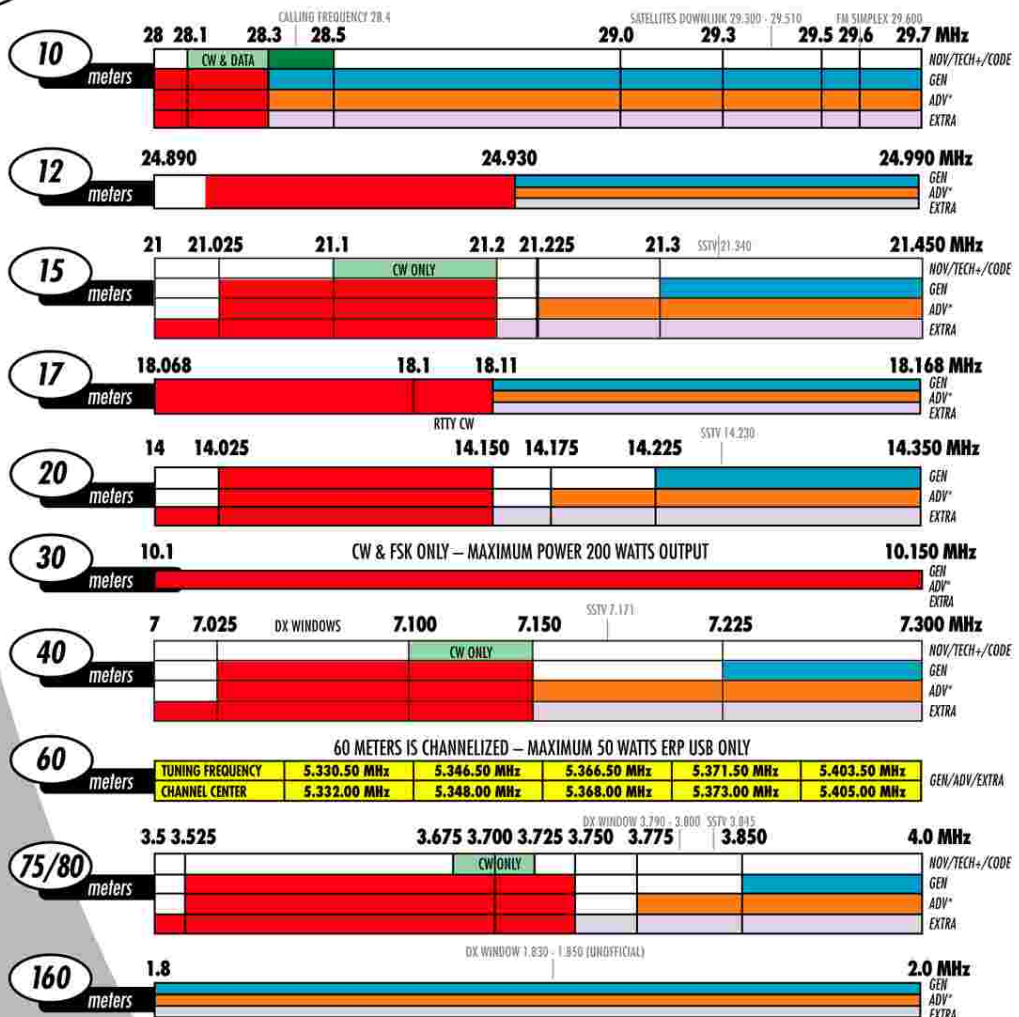
UHF/VHF

- NOVICE VOICE AND DATA*
- AMATEUR TELEVISION FAST SCAN
- SATELLITE (NO FM)
- CW AND WEAK SIGNAL (NO FM)
- DIGITAL
- FM SIMPLEX
- SSB
- FM REPEATER



HF Bands

- NOVICE/TECHNICIAN W/ CODE, CW*
- NOVICE/TECHNICIAN PLUS VOICE*
- GENERAL VOICE, CW, SSTV, FAX
- ADVANCED VOICE, CW, SSTV, FAX*
- EXTRA VOICE, CW, SSTV, FAX
- CW, FSK
- NO PRIVILEGES



*Groundheaded

All old & new license classes retain their operating privileges after April 15, 2000.

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ICOM

PREFIX	COUNTRY	PREFIX	COUNTRY	PREFIX	COUNTRY	PREFIX	COUNTRY	PREFIX	COUNTRY
1A0	See <i>Int. Order of Malta</i>	C8-C9	Mozambique	H4	Solomon Is.	OJ0	Market Reef	VK9L	Lord Howe I.
15, 9M0	Spain Is.	CA-CE	Chile	H40	Temotu Province	OK-OL	Czech Republic	VK9M	Melish Reef
3A	Manqua	CE0X	San Felix & San Ambrosio Is.	HA	Hungary	OM	Slovak Republic	VK9N	Norfolk I.
3B6, 3B7	Agalega & St. Brandon Is.	CE0Y	Easter I.	H8	Switzerland	ON-OT	Belgium	VK9V	Walls I.
3B8	Mauritius	CE0Z	Juan Fernandez Is.	H80	Liechtenstein	OX	Greenland	VK9X	Christmas I.
3B9	Rodriguez I.	CE9	Antarctica	HC-HD	Ecuador	OY	Faroe Is.	VO	Canada
3C	Equatorial Guinea	CM	Cuba	HC8-HD8	Galapagos Is.	OZ	Denmark	VP2E	Anguilla
3C0	Annobon I.	CN	Macao	HFO	South Shetland Is.	P2	Papua New Guinea	VP2M	Montserrat
3D2	Fiji Is.	CO	Cyprus	HG	Hungary	P4	Arabia	VP2V	British Virgin Is.
3D2	Rotuma I.	CP	Bolivia	HH	Haiti	P5	North Korea	VP5	Turks & Caicos Is.
3D2	Conway Reef	CT	Portugal	HI	Dominican Republic	PA-PI	Netherlands	VP6	Pitcairn I.
3DA	Swaziland	CT3	Madeira Is.	HJ-HK	Colombia	PJ2, PJ4	Bonaire, Curacao	VP8	Antarctica
3V	Turkey	CU	Azores	HKO	San Andres & Providencia	PJ5-PJ8	St. Maarten, Saba, St. Eustatius	VP8	Falkland Is.
3W	Vietnam	CV-CX	Uruguay	HK0	Malpelo I.	PJ9	Netherlands Antilles	VP8	South Georgia I.
3X	Guinea	CY0	Sable I.	HL	South Korea	PP-PY	Brazil	VP8	South Shetland Is.
3Y	Bouver I.	CY9	St. Paul I.	HO-HP	Panama	PP0-PY0F	Fernando de Noronha	VP8	South Orkney Is.
3Y	Peher I. I.	D2, D3	Angola	HQ-HR	Honduras	PP0, PY0S	St. Peter & St. Paul Rocks	VP8	South Sandwich Is.
4J-4K	Azerbaijan	D4	Cape Verde	HS, E2	Thailand	PP0, PY0T	Trinidad I. & Martin Vaz Is.	VP9	Bermuda
4L	Georgia	D6	Cameroon	HV	Vatican	PZ	Surinam	VQ9	Chagos Is.
4P-4S	Sri Lanka	DA-DL	Germany	HZ	Saudi Arabia	RA-RZ	European Russia	V56	Hong Kong
4U, UN	United Nations HQ	DU-DZ	Philippines	I	Italy	RA-RZ	Asian Russia	VU	Andaman & Nicobar Is.
4U, ITU	ITU Headquarters	E2	Thailand	IS0, IM0	Sardinia	R1FJ	Franz Josef Land	VU	Lacadoive Is.
4W	Timor-Leste	E3	Eritrea	J2	Djibouti	R1MV	Malyi Vysotskiy I.	VU	India
4X, 4Z	Israel	E4	Palestine	J3	Grenada	S0	Western Sahara	VY	Canada
5A	Libya	EA-EH	Spain	J5	Guinea-Bissau	S2	Bangladesh	W	USA
5B	Cyprus	EA6-EH6	Baleares Is.	J6	St. Lucia	S5	Slovenia	XA-XI	Mexico
5H-5I	Tanzania	EA8-EH8	Canary Is.	J7	Dominica	S7	Seychelles	XA4-XI4	Riviera Gigada
5N-5O	Nigeria	EA9-EH9	Ceuta & Melilla	J8	St. Vincent	S9	Sao Tome & Principe	XT	Burkina Faso
5R-5S	Madagascar	EI-EJ	Ireland	JA-JS	Japan	SA-SM	Sweden	XU	Cambodia
5T	Mauritania	EK	Armenia	JD1	Minami-Torishima	SN-SR	Poland	XV	Vietnam
5U	Niger	EL	Liberia	JD1	Ogasawara	ST	Sudan	XW	Laos
5V	Togo	EM-EO	Ukraine	JT-JV	Mangalia	SU	Egypt	XX9	Macao
5W	Western Samoa	EP-EQ	Iran	JW	Switzerland	SV/A	Mount Athos	XY-XZ	Myanmar
5X	Uganda	ER	Moldova	JX	Jan Mayen	SV-5Z	Greece	YA	Afghanistan
5Y-5Z	Kenya	ES	Estonia	JY	Jordan	SV5	Dodecanese	YB-YH	Indonesia
6V-6W	Senegal	ET	Ethiopia	K	U.S.A.	SV9	Crete	YI	Iraq
6Y	Jamaica	EU-EW	Baltics	KC4	Antarctica	T2	Tunisia	YJ	Vanuatu
70	Yemen	EX	Kyrgyzstan	K6	Palau	T30	West Karbi Is.	YK	Syria
7P	Lesotho	EY	Tajikistan	KG4	Guantanamo Bay	T31	Central Karbi Is.	YL	Latvia
7Q	Malawi	EZ	Turkmenistan	KH0	Morocco	T32	East Karbi Is.	YN	Nicaragua
7T-7Y	Algeria	F	France	KH1	Baker & Howland Is.	T33	Bonabo I.	YO-YR	Romania
8P	Barbados	FG	Guadeloupe	KH2	Guam	T5	Samoa	Y5	El Salvador
8Q	Moldova Is.	FH	Mayotte	KH3	Johnston I.	T7	San Marino	YT-YU	Serbia & Montenegro
8R	Guyana	FJ	Saint Martin	KH4	Midway I.	T8	Palau	YU3	Slovenia
9A	Croatia	FK	New Caledonia	KH5	Papua & Jarvis Is.	T9	Bosnia-Herzegovina	YV-YY	Venezuela
9G	Ghana	FK/C	Chesterfield Is.	KH5K	Kingman Reef	TA-TC	Turkey	YV0	Aves I.
9H	Malta	FM	Martinique	KH6-KH7	Hawaii	TD	Guatemala	YZ	Serbia & Montenegro
9I, 9J	Zambia	FO	Austral I.	KH7K	Kure I.	TE	Costa Rica	Z2	Zimbabwe
9K	Kuwait	FO	Clipperton I.	KH8	American Samoa	TF	Iceland	Z3	Macedonia
9L	Saint Leone	FO	French Polynesia	KH9	Wake I.	TG	Guatemala	ZA	Albania
9M0	Spain Is.	FO	Marquesas Is.	KL7	Alaska	TI	Costa Rica	ZB2	Gibraltar
9M2, 9M4	West Malaysia	FP	St. Pierre & Miquelon	KP1	Novaya I.	TI9	Cocos I.	ZC4	UK Sov. Base on Cyprus
9M6, 9M8	East Malaysia	FR	Reunion I.	KP2	Virgin Is.	TJ	Cameroon	ZD7	St. Helena I.
9N	Nepal	FR/E	Europa Is.	KP3-KP4	Puerto Rico	TK	Corico	ZD8	Ascension I.
9O-9T	Democratic Rep. of Congo	FR/G	Gloriosa Is.	KP5	Deschamps I.	TL	Central African Republic	ZD9	Tristan da Cunha & Gough Is.
9U	Burundi	FR/J	Juan de Nova Is.	LA-LN	Norway	TN	Congo	ZF	Cayman Is.
9V	Singapore	FR/T	Tromelin I.	LO-LW	Argentina	TR	Gabon	ZK1	South Cook Is.
9X	Rwanda	FS	Saint Martin	LU	South Georgia I.	TT	Chad	ZK1	North Cook Is.
9Y-9Z	Trinidad & Tobago	FTSW	Crozet Is.	LU	South Shetland Is.	TU	Ivory Coast	ZK2	Niue
A2	Botswana	FTSX	Kerguelen Is.	LU	South Orkney Is.	TY	Benin	ZK3	Tokelau Is.
A3	Tonga	FTSZ	Amsterdam & St. Paul Is.	LU	South Sandwich Is.	TZ	Mali	ZL-ZM	New Zealand
A4	Oman	FW	Wallis & Futuna Is.	LX	Luxembourg	UA2	Kaliningrad	ZL7	Chatham Is.
A5	Bhutan	FY	French Guiana	LY	Enfhorina	UJ-UJ	Uzbekistan	ZL8	Kermadec Is.
A6	United Arab Emirates	G	England	LZ	Bulgaria	UN-UM	Kazakhstan	ZL9	Auckland & Campbell Is.
A7	Qatar	GC	Wales	M	England	UR-UZ	Ukraine	ZP	Panagary
A9	Belgium	GD	Isle of Man	MD	Isle of Man	V2	Antigua & Barbuda	ZR-ZU	South Africa
AA-AK	USA	GH	Jersey	MI	Northern Ireland	V3	Belize	ZS8	Prince Edward & Marion Is.
AP-AS	Pakistan	GJ	Northern Ireland	MJ	Jersey	V4	St. Kitts & Nevis		
B57	Scarborough Reef	GJ	Jersey	MM	Scotland	V5	Namibia		
BT	China	GM	Scotland	MU	Guernsey	V6	Nicaragua		
BV	Taiwan	GN	Northern Ireland	MW	Wales	V7	Marshall Is.		
BV9P	Prato I.	GP	Guernsey	N	USA	V8	Brunei, Darussalam		
C1	China	G5	Scotland	OA-OC	Peru	VE	Canada		
C2	Nauru	GT	Isle of Man	OD	Labanon	VK	Australia		
C3	Andorra	GU	Guernsey	OE	Austria	VK0	Heard I.		
C5	The Gambia	GW	Wales	OF-OI	Finland	VK0	Macquarie I.		
C6	Bahamas	GX	England	OH0	Aland Is.	VK9C	Cocos (Keeling) Is.		

BAND PLAN FREQUENCY ASSIGNMENTS

23-cm, 1240-1300 MHz ARRL Band Plan

MHz	Use
1240-1246	ATV #1
1246-1248	Narrow-bandwidth FM point-to-point links and digital, duplex with 1258-1260 MHz
1248-1252	Digital communications
1252-1258	ATV #2
1258-1260	Narrow-bandwidth FM point-to-point links and digital, duplex with 1246-1252 MHz
1260-1270	Satellite uplinks
1270-1276	Wide-bandwidth experimental, simplex ATV
	Repeater inputs, FM and linear, paired with 1282-1288 MHz; 239 pairs every 25 kHz, e.g., 1270.025, 1270.050, 1270.075, etc., 1271.0-1288.0 MHz uncoordinated test pair
1276-1282	ATV #3
1282-1288	Repeater outputs, paired with 1270-1276 MHz
1288-1294	Narrow-bandwidth FM simplex services, 25 kHz channels
1294-1295	National FM simplex calling frequency
1295-1297	Narrow-bandwidth weak-signal communications (no FM)
1295.0-1295.8	SSV, FAX, ACSS, experimental
1295.8-1296.0	Reserved for EME, CW expansion
1296.0-1296.05	EME exclusive
1296.05-1296.08	CW beacons
1296.08-1296.1	CW, SSB calling frequency
1296.1-1296.6	Crossband linear translator input
1296.6-1296.8	Crossband linear translator output
1296.8-1297.0	Experimental beacons (exclusive)
1297-1300	Digital communications

ARRL 70-cm Wavelength Band Plan, 420-450 MHz

MHz	Use
420.00-426.00	ATV repeater or simplex with 421.25 MHz video carrier control links and experimental
426.00-432.00	ATV simplex with 427.250 MHz video carrier frequency
432.00-432.08	EME (Earth-Moon-Earth)
432.08-432.10	Weak-signal CW
432.100	70 cm CW/SSB calling frequency
432.10-433.00	Mixed-mode and weak-signal work
432.30-432.40	New beacon band
433.00-435.00	Auxiliary/repeater links
435.00-438.00	Satellite only uplink/downlink
438.00-444.00	ATV repeater input with 439.250 MHz video carrier frequency and repeater links
442.00-445.00	Repeater inputs and outputs (local option)
445.00-447.00	Shared by auxiliary and control links, repeaters and simplex (local option); 446.00 MHz national simplex frequency
447.00-450.00	Repeater inputs and outputs

ARRL 33-cm Wavelength Band Plan, 902-928 MHz

MHz	Use
902-904	Narrow-bandwidth, weak-signal communications
902.0-902.8	SSV, FAX, ACSS, experimental
902.8-903.0	Reserved for EME, CW expansion
903.0-903.05	EME exclusive
903.05-903.08	CW beacons
903.08-903.1	CW, SSB calling frequency
903.1-903.6	Crossband linear translator inputs
903.6-903.8	Crossband linear translator outputs
903.8-904.0	Experimental beacons exclusive

ARRL 33-cm Wavelength Band Plan, 902-928 MHz (cont.)

MHz	Use
904-906	Digital communications
906-907	Narrow bandwidth FM-simplex services, 25 kHz channels
906-910	National simplex frequency
907-910	FM repeater inputs paired with 919-922 MHz; 119 pairs every 25 kHz; e.g., 907.025, 907.050, 907.075, etc., 908-920 MHz uncoordinated pair
910-916	Digital communications
916-918	ATV
918-919	Narrow-bandwidth, FM control links and remote bases
919-922	FM repeater outputs, paired with 907-910 MHz
922-928	Wide-bandwidth experimental, simplex ATV, Spread Spectrum

ARRL 2 Meter Wavelength Band Plan, 144-148 MHz

MHz	Use
144.00-144.05	EME (CW)
144.05-144.300	Propagation beacons
144.06-144.10	General CW and weak signals
144.10-144.20	EME and weak-signal SSB
144.200	National SSB calling frequency
144.200-144.275	General SSB operation, upper sideband
144.275-144.300	Beacon band
144.300-144.50	OSCAR subband plus simplex
144.50-144.60	Linear translator outputs
144.60-144.90	FM repeater inputs
144.90-145.10	Weak signal and FM simplex
145.10-145.20	Linear translator outputs plus packet
145.20-145.50	FM repeater outputs
145.50-145.80	Miscellaneous and experimental modes
145.80-146.00	OSCAR subband - satellite use only
146.01-146.37	Repeater inputs

146.40-146.58

Simplex

146.61-146.97

Repeater outputs

ARRL 2 Meter Wavelength Band Plan, 144-148 MHz (cont.)

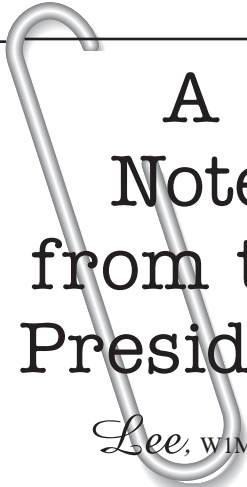
MHz	Use
147.00-147.39	Repeater outputs
147.42-147.57	Simplex
147.60-147.99	Repeater inputs

ARRL 6 Meter Wavelength Band Plan, 50.0-54.0 MHz

MHz	Use
50.000-50.100	CW and beacons
50.100-50.080	U.S. beacons
50.100-50.600	SSB
50.125	SSB DX calling frequency (Note: Suggest QST up for local & down for long-distance QSOs)
50.200	SSB domestic calling frequency (Note: Suggest QST up for local & down for long-distance QSOs)
50.400	AM calling frequency
50.600-51.000	Experimental and special modes
50.700	RTTY calling frequency
50.800-50.980	Radio Control (R/C) channels, 10 channels spaced 20 kHz apart (new)
51.000-51.100	Pacific DX window
51.000-52.000	Newly authorized FM repeater allocation
51.100-52.000	FM simplex
52.000-52.050	Pacific DX window
52.000-53.000	FM repeater and simplex
53.000-54.000	Present radio control (R/C) channels, 10 channels spaced 100 kHz apart



from Lee Wimbs, W1MBS, GARA President



A Note from the President

Lee, W1MBS

TOMORROW.

We all plan for tomorrow. We purchase food at the grocery store for the next few days. We select our cars that will provide dependable service. How many of us have started saving for

our children's education long before they even enter school? We all make plans for retirement. Everyone of us has made those plans and preparations for tomorrow.

Every four years we vote on the leaders of our country. We hope they have plans in place to lead our country. One of their goals has to be to provide a plan for the country to grow. To make this country everyone will be proud of.

And as with our country and its leaders, it is now time for you to elect the officers of GARA. The Greensboro Amateur Radio Association needs officers that are concerned not only with the future of amateur radio, but with the future of this organization.

I have stated many times at our club meetings what a great group of members we have. How fortunate we are to have hams who work together, who want to see this club grow, and how

dedicated they are toward the fundamentals of amateur radio. When so many radio clubs have failed, we have remained an important asset to ham radio, and to our community.

Now it is up to you to select, to elect, and to support the officers of GARA for the year 2006. You need to decide who will guide this club not only tomorrow, but into the future. We need to elect the officers, and the board of directors, who will serve not only ham radio, but who each member of this club knows can obtain their support.

We are very fortunate most of the current officers have stated they will continue to serve in their current positions.

Now it is up to you to elect the remaining board of officers, and give them your support. The success of GARA depends on who you elect, and how you support them.

ARRL calls for BPL shut down....

not been successful, and it persists to the present time. This is precisely the situation in which the system must be shut down, pending successful resolution of the severe interference."

Two years ago, the ARRL put Manassas officials on notice that the League would act on behalf of its members to ensure full compliance with FCC regulations once the city's BPL system, then in the trial stage, started up.

The ARRL and the complaining Manassas radio amateurs--George Tarnovsky, K4GVT, Donald Blasdel, W4HJL, and William South, N3OH--cite interference so severe that "no communications can be conducted in the amateur allocations subject to interference," said the ARRL, which accused the city of "stonewalling in the face of repeated complaints."

"The parties cannot be said to be working this out cooperatively, since the City of Manassas and its BPL operator are currently in full denial," the League said.

Correspondence and reports from Tarnovsky, Blasdel and South outlining repeated contacts with the BPL operator and a lack of effective resolution--and even public denial--of the interference, accompanied the League's filing.

"They continue to publicly deny the interference issues at every opportunity without taking corrective action," Tarnovsky said in a letter to OET's James Burtle, referring to Manassas officials. The radio amateurs said efforts by the BPL operator to "notch" band segments have proven ineffective. "Our continued monitoring of the Manassas BPL system has shown they continuously open the notches and/or increase signal levels, subsequently interfering with licensed services again," he asserted. "This can only lead to one conclusion--they are not taking the interference issue seriously."

South noted this week that the BPL interference recorded to date occurred prior to any large-scale BPL deployment by Manassas. He speculated how much worse the interference will be when the

system has 9000 subscribers instead of the current 900.

Field tests conducted not only by Manassas radio amateurs but by the US Department of the Navy established that the city's BPL system "was an interference generator at distances of hundreds of feet from the modems on overhead power lines," the ARRL wrote. "It was also, incidentally, determined that the system was susceptible to interference from nearby radio transmitters operating between 4 and 20 MHz."

The FCC adopted new Part 15 rules to govern BPL deployment a year ago this week. The new regulations became effective early this year. Manassas earlier this month formally inaugurated its citywide deployment of the high-speed Internet BPL system, which it touts as "the first large-scale commercial BPL deployment in North America." The city receives a portion of BPL subscriber revenues to offset its costs of installing and maintaining the system.

Via ARRL

Area Activities

FOURTH MONDAY – at 6:30 PM, the **Greensboro Amateur Radio Association** has their regular monthly meeting at the Golden Corral on Landview Dr., off W. Wendover Ave. Please plan to gather at 6:30 PM for dinner. The meeting is scheduled to start at 7:15 PM

CLUB NETS:

SUNDAYS – weekly at 9 PM, the **GARA News and Information Net**. This net features NewsLine and is on the 145.150, W4GSO repeater. Roy Smith, N4BYU is always looking for net controls. Contact him if you would like to help.

THURSDAYS – The **Guilford County ARES Net** meets on the 145.150 repeater (100 Hz. tone) at 9 PM.

TUESDAYS – at 8 PM, the **2 Meter SSB Net** meets on 144.225 Mhz. USB. Chris Thompson, K4HC is the net control station.

WEDNESDAYS – The **Guilford Amateur Society** holds their weekly net on the 145.250, W4GG repeater with an 88.5 Hz. tone. Jim Hightower, W4JLH is the net control.

TUESDAYS – at 8:30 PM The **Triad SkyWarn Net** meets on the 147.225, K4ITL repeater, no tone required.

OTHER ACTIVITIES :

FIRST MONDAY – The **Guilford County A.R.E.S.** monthly meeting is held at 1002 Meadowood St. off W. Wendover Ave, in the EMS building, beginning at 7 PM.

THIRD MONDAY – at 6 PM The **Guilford Amateur Society** holds their monthly meeting at the Golden Corral on Landview Dr., off W. Wendover Ave. Dinner at 6:30 PM and the business meeting is slated to begin at 7 PM.

SATURDAYS – at the K&W Cafeteria on Big Tree Way, hams get together for **Saturday Breakfast** at 7:30 AM. Talk-in is on the 145.150, W4GSO repeater, with 100 Hz. tone.

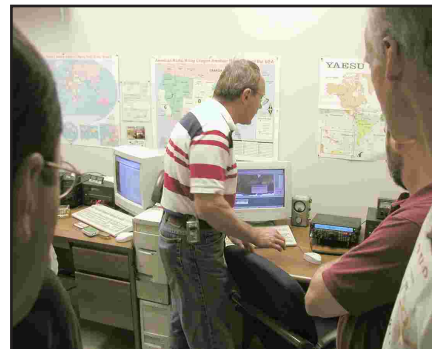
MONDAYS & FRIDAYS – at 11 AM, Greensboro Hams get together for lunch. On Monday they meet at various locations and on Friday lunch is at the K&W Cafeteria off South Holden Road. Talk-in is on the 145.150, W4GSO repeater with a 100 Hz. tone. On Mondays, give a call to see where everyone is meeting.

EVERY FRIDAY – at 8 PM (approximately) Greensboro Hams get together for coffee at Starbucks on Battleground Ave. (summer location till Daylight Savings time changes)

Next Meeting ...

The next meeting of the Greensboro Amateur Radio Association will be held on **Monday October 24**, at the **Golden Corral Steak House** off **Wendover Ave.** Meet there at **6:30** if you plan to eat, with the business meeting beginning about **7:15**. Come and bring a friend!

More RF Micro Devices Tour Photos . . .



Above, satellite station transceiver; below, HF antenna on the roof of the facility.



Greensboro Amateur Radio Association
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