

ZERO BEAT

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Meeting Highlights

Here are the highlights from the July 7th SEMARA business meeting:

The meeting came to order at 7:34, with the pledge of allegiance, followed by the roll call, revealing 14 members present.

The secretary's report was read by Pete, KA1WOJ, and was accepted after a motion by Don, WA1PLT.

The treasurer's report was read by Pat, KA1YUH, and was accepted after a motion by Morris, WB1GJO. The account balance was \$1454.05. Pat also passed around a semi-annual financial report for all to review.

Committee Reports: HAM FEST: Flyers have been sent out, and extras are available to hand out and pass around. Bill, K11BR, suggested sending flyers to all the local ham clubs. Pete, KA1WOJ, mentioned getting 'door prize' donations, and asked members to ask around. Bill, K11BR, suggested cutting the grass. Bob, KA1YDG, talked about the possibility of getting a commercial radio station to do a remote broadcast for a few hours on the ham fest date.

TECHNICAL: Nothing new to report, things are in the works, still.

BUILDING AND GROUNDS: A louver was installed, but still needs calking. The front railing still needs to be finished. A rider mower is being worked on. Still need a bulldozer to smooth the edges of

the property. Bill, K11BR, (among others) suggested the purchase and installation of a central air system. (They were half-kidding around.)

ACTIVITIES: Spagetti supper went well. The idea of a "Sundae Night" on a Thursday was discussed.

There was no old or new business.

Some previously owned equipment was auctioned off by Pete, KA1WOJ, with an occasional assist by master auctioneer Bill, K11BR, who was able to explain the function, purpose and use of several mysterious artifacts. Several items were sold after some rather calm bidding, collecting \$18 for the club treasury. The remainder of the items will be held for the ham fest. Though only two or three people "participated" in the bidding, certain buyers were heard mumbling rationalizations for the amount of money they spent for their purchases as they left the meeting.

License Terms

Amateurs receiving new or modified FCC licenses should check the expiration date. Only new licenses or specific renewals will have a full 10-year term.

License upgrades, changes of address, call sign, or name, are being processed with the original expiration date intact, and are not automatically extended for 10 years. The FCC is processing amateur licenses in this manner to conform with to the way in which it processes other Private Radio Service licenses.

DX Advisory Committee

After four years as the New England member of the DXAC, Bill Schipp KC1AG is stepping down. The new DXAC member is Jim Dionne, K1MEM of Sudbury, MA. Jim has been an active DX'er for most of his Ham career, is a member of YCCC, Southern NE DX Assoc. GM-DX, and the First Class CW Op Club. Jim is co-originator of the weekly W1AW DX Bulletin. He has worked every possible country on both phone and CW.

Space Briefs

- The Houston AMSAT Net originates live from Houston, Texas on Tuesdays at 10:00 PM Central Time on 147.100 MHz. It is simulcast on the Galaxy 3 satellite, transponder 17, on a 5.8 MHz audio subcarrier and is available for distribution among amateur repeater stations around the country. The net is of a technical nature for those interested in satellite, ATV and balloon launch communications. AMSAT News Bulletins, SpaceNews, NASA news, Hints & Tips on working satellites and more is available each week on the net. The following amateur operators carry the Houston AMSAT Net live or rebroadcast it at a more convenient time on their stations.

WA1PBJ 446.575 -88.5 Boston, MA
KC1HF 448.225 -88.5 Framingham, MA
WA1PBJ 442.000 +88.5 Fitchburg, MA

- David Liberman, XE1TU, reports that the UNAMSAT-1 spacecraft has not yet been launched. A postponement was

Hurricane Frequencies

- 03815.0 Inter-island 75 meter frequency (24 hour/day watch)
 03815.0 LSB Antigua / Antilles net
 03818.0 Antilles net
 03915.0 South Carolina Emergency NET
 04270.0 FAX pictures from CFH Halifax
 04429.0 USCG broadcasts from NMN Portsmouth VA *
- 06330.0 FAX pictures from CFH Halifax
 06673.0 Aircraft NOAA43
 07165.0 Inter-island 40 meter frequency (24 hour/day watch)
 07165.0 LSB Antigua / Antilles net
 07232.0 South Carolina Emergency NET
 07243.0 South Carolina Emergency NET
 08080.0 FAX pictures from NMN
 08765.0 USCG broadcasts from NMN Portsmouth VA *
- 08765.0 Health and Welfare traffic
 08993.0 USB Air Force and Coast Guard
 10536.0 FAX pictures from CFH Halifax
 11245.0 Gull calling Teal (Macdill AFB Tampa)
 11246.0 Hurricane Hunter Gull 15
 11249.5 Gull 17 heading home calling Macdill
 13113.0 USCG broadcasts from NMN Portsmouth VA *
- 13245.0 USB Antigua / Antilles net
 13510.0 FAX pictures from CFH Halifax
 14150.0 Ham net
 14275.0 Ham net (IARN)/Red Cross
 14283.0 Caribus NET (+/- 3 khz. during QRM)
 14283.0 Health and Welfare traffic
 14303.0 Health and Welfare traffic
 14313.0 The Maritime Mobile Net
 14316.0 Health and Welfare traffic
 14325.0 Hurricane Watch Net (Hams + Natl Hurricane Ctr)
 14375.0 Ham net
 17307.0 USCG broadcasts from NMN Portsmouth VA *
- 18019.0 Gull calling Teal (Macdill AFB Tampa)
 21310.0 Health & Welfare In Spanish
 28450.0 Health & Welfare In Spanish
- *USCG weather broadcasts at: 0400, 0530, 1000, 1130, 1600, 1730, 2200, 2330 UTC
- 06673.0 Hurricane Hunter aircraft:
 11398.0 Hurricane Hunter aircraft:
 13354.0 Hurricane Hunter aircraft:
 21937.0 Hurricane Hunter aircraft:

announced through official correspondence from the Russian Space Agency just a few days before project officials had to depart for Russia, and no statement regarding the length of the delay was mentioned. In the mean time, project officials are experimenting with the satellite on the ground, making small adjustments, and testing the satellite for all possible situations. All the operating software has been loaded on the satellite and is running well.

Amateur Emergency Nets In Hurricane Areas

frequencies in kHz - Mode: USB or LSB

- 03695.0 Alabama
 07165.0 Antilles
 07245.0 Southern LA
 07235.0 Baja
 03935.0 Belize
 07250.0 Belize
 14275.0 Bermuda
 14185.0 Caribbean Emergency
 07115.0 Caribbean Maritime Mobile (1200Z)
 03808.0 Caribbean WX (1030Z)
 03948.0 California WX (1400Z)
 03975.0 Georgia
 03935.0 Gulf Coast Central Hurr.
 07245.0 Gulf Coast Central Hurr.
 03845.0 Gulf Coast West Hurr.
 07260.0 Gulf Coast West Hurr.
 03967.0 Gulf Coast (Outgoing only)
 07283.0 Gulf Coast (Outgoing only)
 03995.0 Gulf Coast WX
 07290.0 Gulf Coast WX
 03993.5 Gulf Coast Health and Welfare
 07264.0 Gulf Coast Health and Welfare
 21390.0 Interamericas H&W
 03993.5 Lake Charles, LA
 07264.0 Lake Charles, LA
 14340.0 Louisiana (1900Z)
 07070.0 Manana
 03967.5 Mexican National
 03923.0 Mississippi ARES
 03910.0 Mississippi ARES
 03915.0 North Carolina
 03915.0 South Carolina
 03955.0 South Texas Emergency
 07240.0 Texas Emergency
 07250.0 Texas Emergency
 03691.0 Texas Traffic/H&W
 07290.0 Texas Traffic/H&W day
 03910.0 Texas Traffic/H&W night
 21400.0 Transatlantic Maritime Mobile
 07268.0 Waterway

Whenever a hurricane is within 300 miles of land in the northern western hemisphere, the Hurricane Watch Net is operational on 14.325 USB MHz. The Hurricane Watch Net provides communication between the National Hurricane Center and the affected areas.

- The LUSAT-OSCAR-19 satellite continues to operate without its file server running. Although the file server is not available, the satellite does function as a digipeater, and other ground stations can be connected to via LUSAT-1.
- A DOVE-OSCAR-17 satellite telemetry decoding program for the MS-DOS operating system has been created by KD2BD and is now available via anonymous FTP at pilot.njin.net. The program has been compressed into a file called "duddec10.zip", and is located in the /pub/SpaceNews/software sub-directory at pilot.njin.net. The program

Hurricane related Frequencies.

- 03407.0 Hurricane Ctr Miami A/G
 03815.0 National Hurricane Net
 03935.0 Gulf Hurricane Net
 03943.0 Western Gulf Hurricane Net
 04746.0 U.S.A.F.
 05562.0 Hurricane Ctr Miami A/G
 06673.0 Hurricane Ctr Miami A/G
 06750.0 U.S.A.F.
 07055.0 Puerto Rico Hurricane Net
 07073.0 Puerto Rico Hurricane Net
 07235.0 Gulf Hurricane Net
 07507.0 WARN Channel
 08876.0 Hurricane Ctr Miami A/G
 08993.0 U.S.A.F.
 09020.0 Hurricane Center Miami
 09380.0 WARN Channel
 10015.0 Hurricane Ctr Miami A/G
 11898.0 Hurricane Ctr Miami
 12246.0 U.S.A.F.
 13224.0 U.S.A.F.
 13267.0 Hurricane Ctr Miami A/G
 13354.0 Hurricane Ctr Miami
 14275.0 IARN/ARC (Red Cross)
 14280.0 Puerto Rico Hurricane Net
 14283.0 Amateur Hurricane Net
 14325.0 Hurricane Ctr Miami (HAMS)
 17901.0 Hurricane Ctr Miami
 18091.0 U.S.A.F.
 21937.0 Hurricane Ctr Miami
 28450.0 Puerto Rico Hurricane Net

will read and interpret ASCII telemetry transmissions made by DOVE-OSCAR-17 and generate reports based on that data. The software is free and is intended for non-commercial use.

News Briefs

From The ARRL Letter

- The 1994 AMSAT-NA Annual Meeting and Space Symposium will be held Oc-

The Glossary

Ionosphere

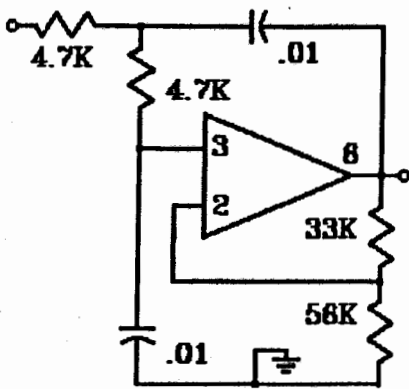
The area of ionized gases high in the atmosphere.

Troposphere

The area in the atmosphere that is just below the ionosphere, and just above the surface of the Earth.

Parasitic Element

Part of a directive antenna that is not connected to the feed line, and derives energy from the driven element.



Can you identify the IC in this circuit, and it's function?

tober 7 to 9, in Orlando, Florida. AMSAT is seeking papers for the symposium. Papers are welcome even if the author is unable to attend the meetings. Topics are sought for all aspects of amateur satellite operations, including introductory tutorials, satellite operations, Phase IIID design and development, and new applications and techniques.

- The 1994 Microwave Update Conference will be held September 22 to 24 in Estes Park, Colorado, and the ARRL will publish the proceedings.

- Nets have until September 6, 1994, to register in the 1995-96 ARRL Net Directory. This new edition will not carry over information from previous directories, so you must send in a registration card.

- As of June 20, House Joint Resolution 199, which recognizes "the achievements of radio amateurs and establishes support for such amateurs as national policy," had 238 co-sponsors in the House of Representatives, and the Senate version, Senate Joint Resolution 90, had 45 co-sponsors.

Both ARRL bills must next pass the subcommittees of the House Energy and Commerce Committee and the Senate

Packet Directory

144.990 N1KBT	145.090 KC1CE
144.990 NS1N	145.090 KD1NU
145.010 Fara Digi	145.570 N1QWW
145.010 N1CSI	145.530 KQ1K
145.050 WA1ZUF	145.710 KA1THM
145.070 WQ1Q	145.710 KC1KM
145.090 AA1FS	145.710 N1LDY
145.090 K1UGM	145.730 KC1UA

Commerce, Science and Transportation Committee, which have jurisdiction over radio issues.

The other ARRL-sponsored bill, H.R. 2623, the Amateur Radio Volunteer Service Act of 1993, currently has 78 co-sponsors. There is no Senate version of the bill.

- The FCC has proposed to change its rules for equipment authorization procedures that apply to radio frequency (RF) devices including radio receivers and transmitters, computers, and video cassette recorders. The FCC said the amended rules were "intended to remove certain inconsistencies in the existing rules and to consolidate in the rules several interpretations issued in letters. These inconsistencies have led to confusion for industry and may have discouraged or prevented use of some otherwise legitimate methods of marketing RF devices pending receipt of an authorization from the Commission."

Currently, FCC rules prohibit the marketing and operation of an RF device unless it complies with all FCC standards. Exceptions to the marketing rules are already made for industrial, scientific and medical (ISM) devices and many digital devices.

International Thanks

Here is a list of several phonetic pronunciations of "Thanks" in different languages:

Danish:	Mangue Tak
Dutch:	Dank u wel
English:	Thanks
French:	Mare-see
German:	Dahn-keh
Italian:	Grotz-yay
Japanese:	ah-ree-ga-toh
Portuguese:	o-bre-gah-doe
Russian:	Spa-See-ba
Spanish:	Grahs-yes
Swedish:	Tack sa mychet
Philippine:	Sa-la-mat
Eskimo:	Que Onah

These have not been verified by the editor!

'94 SEMARA OFFICERS

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Pete Carreiro, KA1WOJ, 993-6262
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Andrew Reuter, WA1FNM
Buildings & Grounds Committee
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Technical Committee
William M. Miller, Jr., K1IBR, Chairman

For Sale

Alinco DJ-180 with 200 memory chip. \$220. Call Larry, AA1FS, 991-6055.

For Sale

Alinco DJ-160, with battery, pouch, mag mount and Concept RFC232. Call John, N11QU at 508-992-4440.

Repeater Directory

145.150 -	WA1DGW, Fall River
145.490 -	KA1WBF, Fairhaven
146.700 -	WA1RBT, Cranston
146.655 -	WA1GPO, Falmouth
146.685 -	N1OEG, Plymouth
147.000 +	W1AEC, South Dartmouth
147.045 +	WA1AIC, Yarmouth
147.135 +	ND1N, Taunton
147.180 +	WB1FLD, Bridgewater
147.315 +	N1BBT, Wareham
441.400 +	WG1U, Assonet
442.200 +	NY1D, Fall River
443.450 +	K1MYL, Westport
443.600 +	NS1N, Norwell
443.800 +	N1RFH, New Bedford
444.250 +	WA1GPO, Falmouth
444.350 +	W1ACT, Fall River
444.550 +	WA1ZUF, Bridgewater
446.325 -	KA1CLX, Plymouth
446.625 -	NC1K, Plymouth
447.075 -	N1DZD, Kingston
448.675 -	N1FPH, West Greenwich

Know of any local repeater frequencies not listed here? Send them in to the editor!

CALENDAR

August

- 4: 7:30p, SEMARA Business Meeting
- 7: Flea, Wellesley
- 21: MIT Flea Market
- 27: Ham Fest, Gardner, MA
- 28: Ham Fest, Fall River, MA

September

- 1: 7:30p, SEMARA Business Meeting
- 2: VE Exams, South Dartmouth
- 11: Ham Fest, South Dartmouth
- 18: MIT Flea Market
- 25: Ham Fest, Framingham

October

- 1-2: ARRL NE Div. Convention, MA
- 6: 7:30p, SEMARA Business Meeting
- 7, 8: Hoss Traders, Rochester

VE EXAMS

July

22: Holyoke, MA Jim, 413-245-3228

August

- 1: Cambridge, MA Bob, 617-593-1955
- 6: Middletown, RI Jack, 401-683-2250
- 7: Shirley, MA Tom, 508-425-6672*
- 11: Providence, RI Judy, 401-231-9156
- 13: Chicopee, MA Jim, 413-245-3228
- 13: Falmouth, MA Geoffrey, 508-548-0969
- 14: Gloucester, MA Rick, 508-283-2278
- 20: Melrose, MA Scott, 617-322-7654
- 21: Shirley, MA Tom, 508-425-6672*
- 24: Cambridge, MA Nick, 617-253-3776
- 26: Holyoke, MA Jim, 413-245-3228

September

- 3: S. Dartmouth, MA Ray, 508-995-0334
- 4: Shirley, MA Tom, 508-425-6672*
- 5: Cambridge, MA Bob, 617-593-1955
- 7: Acton, MA Dave, 508-263-3712*
- 8: Providence, RI Judy, 401-231-9156
- 10: Chicopee, MA Jim, 413-245-3228
- 10: Falmouth, MA Geoffrey, 508-548-0969
- 11: Gloucester, MA Rick, 508-283-2278
- 14: Billerica, MA Bruce, 508-851-2886
- 17: Melrose, MA Scott, 617-322-7654
- 18: Shirley, MA Tom, 508-425-6672*
- 21: Cambridge, MA Nick, 617-253-3776
- 21: Lunenburg, MA Tom, 508-534-9377*
- 23: Holyoke, MA Jim, 413-245-3228
- 24: Slatersville, RI Bob, 401-333-2129

*Some sessions require preregistration and do not allow walk-ins. Please check with the contact listed for each session to verify the exam date, time, and location.



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NOQUOCHOKE ORCHARDS

Growers of Finest Quality Fruit

Apples • Pears • Peaches
Sweet Apple Cider • Squash
Westport Macomber Turnips
Hay & Custom Work



508-636-2237
594 Drift Rd.
Westport, MA 02790

Wanted

PSU-3A Power Supply for "Swan"
700HF. Call after 4:40 pm, 508- 993-
7947, David, N1MVZ.

SEMARA, Inc.
54 Donald Street
South Dartmouth, MA 02748



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