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B-PLUS

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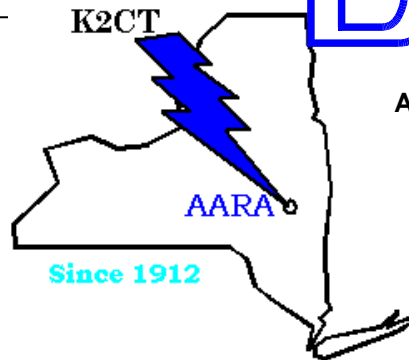
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Affiliated with the American Radio Relay League
An ARRL Special Services Club

AARA

Meets at the
Colonie Community Center
1653 Central Ave. Colonie

Friday Dec. 14

Social Hour 6:55 PM

Meeting begins 7:47 PM

refreshments
soda, diet soda, coffee etc.

K2CT Repeater

Talk-in repeater 145.19 (-) MHz

pl tone 103.5Hz

Down for Repairs

or

444.30 (+) w/pl tone 100.0Hz

AARA Dues

Dues are \$15 with
B-PLUS available at the K2CT Web page in
.pdf format www.k2ct.net
OR \$20 for first class mailing of the
newsletter Checks should be made out to
AARA and sent to: Saul Abrams, K2XA,
307 Maple Rd., Slingerlands, NY 12159

DEC. Meeting

Elections of Officers

Holiday Refreshments

AARA ANNUAL 10meter SPRINT
Thurs. DEC. 13, 2007 7 - 8PM

2007 AARA 10 METER SPRINT ANNOUNCEMENT

This year's event will be held on Thursday, December 13 between 7pm and 8pm local time. Frequencies for the Sprint are 28.4-28.5 MHz. **Exchange** signal report and your first name (or nickname).

Contacts are worth one point each, except for contacts with K2CT, which are worth 10 points. Your log should record the time of each complete contact, the call sign of the station worked, and the exchange sent to and received from that station (signal report and name).

Also record the points for each complete contact and the total claimed score. Be sure to put your own call sign on the log you submit!

Send a copy of your complete log to us via e-mail (plain text only) at: sue.walt@verizon.net

Or, bring a copy of your log on paper to the December meeting.

See you on 10 Meters!

73, Walt, WA1KKM and Sue, N2LBR

ELECTION OF OFFICERS

The Nominating Committee

Have designated the following:

President Fred Fitte, WA2MMX

Vice-President

Nathaniel Greenman, KB2HPX

Secretary Bill Nettleton, K2BX

Treasurer Saul Abrams, K2XA

Nomination from the floor will be
accepted at Election Meeting

PRODUCT REVIEW

LDG AT-1000Pro 1 KW Automatic Memory Antenna Tuner

--Bruce Goldstein, WA3AFS—12/07

The LDG AT-1000Pro is a much-improved version of the AT-1000 Automatic Antenna Tuner handling 1000 Watts SSB (250 Watts on 6M (any mode)), 750 Watts CW, and 500 Watts Digital (RTTY, PACKET, etc). The power handling capabilities are unchanged between the two tuners.

I had previously owned an AT-1000 and once I had the AT-1000Pro up and running (about ten minutes after unpacking), I promptly listed and sold my AT-1000 on Ebay. Exchanging the units at my station went quickly and without any grief. The footprint of the AT-1000Pro is only ½ inch wider.

The AT-1000Pro is much quieter than the AT-1000 (which sounded like a bucket of bolts being violently agitated when tuning!) and once in memory (an automatic function), the tuning time is well less than a second (0.2 seconds). The AT-1000 only retained the last tuning setting as long as DC power was applied. The AT-1000Pro contains 4 banks of 2,000 memories.

The AT-1000 talked to the operator by bouncing the meter needles either at a slow or fast rate (3 levels of 'bounce') (to tell you that there was too much power to tune, insufficient power to tune, manual adjustments at limit, etc). The AT-1000Pro blinks the LEDs on the front panel keys to communicate with the operator giving much more information (I still would prefer some sort of display instead!).

The manual is well written and I did not find any errors or had any difficulty understanding the instructions. As with the AT-1000, the AT-1000Pro manual contained a short box at the beginning entitled: "**Jumpstart, or "Real hams don't read manuals!"**". This section enabled me to get the tuner up and running within minutes of its installation.

The majority of my antennas are phased verticals and this is the primary reason why I wanted an automatic antenna tuner. After using the tuner for a week, I am satisfied with its performance and especially with the use of the memories and the quieter operation. (I had felt that the AT-1000 bucket of bolts running 5-8 seconds in the middle of the night was going to wake up the XYL!). No fear with the AT-1000Pro!

Since my HF beam is a SteppIR, I turn off the AT-1000Pro when using the beam. This did bring to light one 'oddity' with AT-1000Pro. The AT-1000Pro has a built-in antenna switch and when the unit is in the 'off' mode, the input is directly connected to antenna 2! Made for a very quiet receiver until I reread the appropriate section of the manual and changed the output coax to Ant 2 at the rear of the unit and informed the AT-1000Pro to use Ant 2. Not sure if I will use Ant 1 for much! Yet the default setting was for Ant 1. The AT-1000Pro has the ability to be controlled by either most ICOM, the Yaesu FT-857 (D), or the Yaesu FT-897 (D) radio Cables are included. In the case of the ICOM radios, the 12-volt DC to power the AT-1000Pro is part of the interface cable

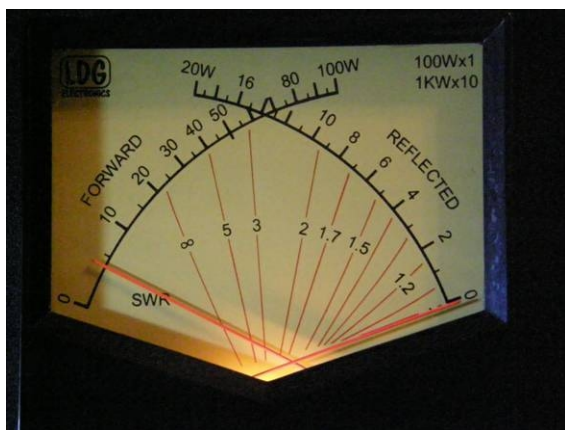
Below is a picture of the AT-1000Pro and a picture of my former AT-1000. Notice the size of the meter between the old AT-1000 and the AT-1000Pro. Strange, but insignificant in my mind, is that the AT-1000 meter is spec'ed at +/- 5% of full scale across the full range and the AT-1000Pro is spec'ed at +/- 10%!



Picture below is of my old AT-1000 after tuning a 2.5:1 SWR showing about 40 watts of output from my ICOM 756 PRO II.



Below is a picture of the AT-1000Pro meter after tuning a 2:5:1 SWR showing about 40 watts from my ICOM 756 PRO II.



I never had a single problem with my AT-1000 and I believe that the LDG excellent quality will continue with my AT-1000Pro.

I ordered my AT-1000Pro from HRO (free shipping!) on a Monday, and received it on Tuesday! The HRO price was \$50.00 less than the list price

2007 CQWW DX CONTEST -- PHONE RESULTS

STATION	CATEGORY	QSOs	COUNTRIES	ZONES	CLAIMED SCORE	
N1EU	SO (H) A	833	—	468	—	1,081,548
K2XA	SOSB20	1,768	131	34	785,400	
N1JP	SO (H) A	642	291	80	664,090	
K2XF	SO (H) A	620	294	85	643,921	
N2LBR						
(+WA1KKM)	M/S	650	274	76	629,650	
K2ONP	SO (H) A	573	—	366	—	572,058
W2GDJ	SO (H) A	558	—	333	—	511,821
K2EP	SO (H) A	481	251	83	434,868	
WA3AFS	SO (H) A	457	—	304	—	388,512
WK2H	SO (H) A	224	97	25	78,690	
KM2O	SO (L)	175	—	115	—	55,775
WF2B	SO (H)	126	—	108	—	34,884

2007 ARRL NOVEMBER SWEEPSTAKES -- CW RESULTS

STATION	PREC	QSOs	SECTIONS	CLAIMED SCORE
K2ONP	U	709	80	113,440
N1EU	B	644	80	103,040
W2XM	A	220	63	27,720
NJ1F	U	168	64	21,504

Public Service:
Volunteer CONTACT
Frank, N4ZHG 473-9256

2007 ARRL NOVEMBER SWEEPSTAKES -- PHONE RESULTS

STATION	PREC	QSOs	SECTIONS	CLAIMED SCORE
NJ1F	U	1,385	80	221,600
(@K1TTT)				
W2GDJ	U	670	80	107,200
KM2O	A	225	69	31,050
WA3AFS	B	200	75	30,000
K2ONP	U	170	60	20,400
N1EU	B	97	58	11,252

73, and thanks for all the scores!
Walt, WA1KKM and Sue, N2LBR

www.k2ct.net

WE are looking for pictures of your Ham Shack Send pictures to Peter, N2KAD

Please try the site and let me know what you think. If you have any feedback please let me know.

73, Peter Hines, N2KAD, webmaster
hines@nycap.rr.com with any suggestions.

edited by Mike Bergman, WD2AJS, 45 Swartson Ct., Albany, NY 12209 489-3110.

Articles and B-PLUS **Swap Shop items** accepted and solicited via mail, phone, or e-mail to wd2ajs@nycap.rr.com

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