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Broadcast / Communications Equipment For Sale

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PRICES AS LISTED ARE FIRM ... UNPRICED ITEMS PLEASE MAKE YOUR BEST CASH OR TRADE OFFER and I'll let you know if the offer is too insulting otherwise it's yours so shop responsibly.

Marti STL-8 system on 947.5 MHz –

a complete stereo system with, discrete left and right channels.

Bonus feature --- Each receiver has a separate PCB SCA output filter system to isolate and amplify the 41 and 67 KHz sub-carriers individually that are normally sent on each channel when remote control and SCA services are also sent from the studio to the transmitter. These little circuit boards are very helpful in bringing up the levels to assist in demodulation without crosstalk.

Since you can transmit multiple sub-carriers (usually two, 41 and 67 KHz) on each channel (left and right main audio) altogether you can have four. In the HDFM era, one channel can be remote control, another H-2 programming, another RDS and the fourth channel a traditional SCA music or ethnic service.

These are the workhorses of the industry and are attractive now because with HDFM or AM, it is highly desirable to have the discrete main left and right channel audio as well as any other audio source available at the transmitter site for further processing for HDFM and use in analog backup transmitters etc.

The actual frequencies of the units are 947.375 and 947.625 MHz.

These units have been checked out completely and make original factory specifications.

Comes with rack mounted 4 RU tall, high power, continuous duty, DB Products combiner that features isolators in the lines coming from the two discrete transmitter. This is not your Grandfather Marti's cost effective but high loss normal combiner but a professional full isolation device which cost nearly \$2000.00 when new. Rejects loads rated with comfortable margins.

Very nice, very clean !.

STL Pairs

Moseley PCL-303 transmitter with CCA STL-900R receiver on 947.5 MHz
composite or mono

Marti STL-8 transmitter (mono only) with Moseley PCL-505 receiver on 945
(receiver only is mono and composite)
(we have two of these STL-8 mono transmitters- we can team up the extra STL-8
transmitter with the extra mono 505 receiver below on any 950 frequency)

Other STL gear –

Moseley PCL-505 receiver on 947.125 mono

Moseley PCL-303 transmitter on 948 composite

RPU Gear

Marti RFT-1 approximately 1 watt portable 160 MHz RPU transmitter ... a very nice, completely refurbished unit with internal rechargeable gel cell for long term portable operation. Comes with wall wart that can operate the unit full TPO on AC and also functions as the battery charger. Two frequency operation with onboard crystals presently set for operation on 161.64 and 161.67 MHz.

Mart RPU 160 pair on 166.25 MHz...

Marti M-30BT transmitter which is 30 watt TPO tube RF and solid state audio ... 2 mic and one line inputs with built in AGC/limiter (very effective) ... operates on

either 120 volt AC or 12 volt DC for portable or mobile operation
Marti R-150 rack mount solid state receiver ... very sensitive with additional RF preamp

Marti two frequency 30 watt all solid state transmitter ... 161.4 and 161.7 MHz
... all solid state version of the M-30BT above ... has replacement non-marti meter

Moseley 450 MHz Remote Pickup Receiver (RPU) Model RPL-4B (SN 30845)
two frequency with both local and remote channel switching capability ...

way overbuilt as only Moseley can do ... form 1-C squelch relay contacts on back...

it even has a little wrench for tightening the miniature RF connectors ...

1 RU high ... has TWO external 12 volt DC UPS input ... the standard four pin Moseley skirt connector (the mating connector comes with the unit) and a non standard connection on the spare connections of the terminal strip (12 volts + and - in with an LED connection following an internal resistor). The impression I get is that the previous folks had some big 12 volt DC UPS system and this box was connected to it. The LED feature must have gone off to an annunciator panel of some kind. The standard DC input has a back panel fuse ... the non-standard goes direct to the supply board.

Crystal IF FILTER !!! P/N 2-1392 10.7 MHz 10.7 - 85/8

UTC A-20 output transformer provides balanced output on rear terminal strip
... level set now at 8 dbu out at 5 KHz FM modulation ...

450.95 and 455.95 are the rocks presently in the radio .. the freq first is obviously the main channel and could be used on voice at 1 uv input and for music etc at 3 uv. This receiver is the hottest, cleanest sounding RPU receiver I have ever encountered. Fully refurbished with new terminal strip on back. Overall possibly the highest performing and most over-engineered RPU receiver ever made.

Moseley 450 MHz Remote Pickup Transmitter (RPU) Model RPL-4
(unit intended to match above receiver)

A recent arrival with two mic and one line input ... full audio limiting ... in the process of being refurbished and moved to new frequencies to match the above receiver ... presently the two frequencies installed are 450.95 and 455.65 MHz area.

Extraneous MARTI RPU and TSL Crystals

Transmit

Operating freq MHz	Multi- placation	xtal freq MHz
161.4	36	4490.0
This is a strange rock which QSBs down to operating freq. So it will work well and stable after warmup		
161.76	36	4493.3
161.73	36	4492.499
161.67	36	4490.833
161.64	12	13.470

Receive crystals for units with 7 MHz IF

161.64	51.54667
161.76	51.58666
166.25	53.08333
161.64	51.54666

Transformers ... Two transformers that may be helpful as replacements especially in an emergency failure situation.

Both are 5 volt 20 amp center tapped secondaries with 120 or 240 volt primaries.

One is a Chicago brand transformer and the other is a Stancor model F-520HB.

Although these are 5 volt secondaries, one can 'buck' these up to 6 or 6.3 volts using a 'buck transformer' on the primary to raise the input voltage.

It will take about 2 amp 48 volt secondary transformer with a 240 volt primary to buck up the 5 to 6.3 volts if needed.

These could be used as replacement filament transformers for 4-400s and 833s.

2 CAA7220P/B IC This is the very hard to locate post D to A
converter filter normally
used with the TDA1451 D toA chip. Known good
\$30.00 each

1 **Gatesway II** solid state 8 channel mono audio mixing board – this
board was extensively refurbished for a reinstallation that never took
place – three mic channels -comes with instruction book, rack
mounted power supply, etc. Have some extra modules if you need
them.
**Has a built in full audio equalizer AND a most interesting ‘cough
switch’ relay in the second mic channel for remote ‘newsroom or
announce booth activity. \$900.00**

x Some extra Gates/Harris audio modules and power supplies

1 Gates early solid-state monitor amp. Transformer in and direct
coupled low impedance out at about 10 watts

x **Marti** Audio Modules mainly from RPU gear including :
LA-3, MA-2/B, CA-40, CA-40-4, LA-12 and a second LA-12

Also have six used but good 6252 RPU output tubes

FM Transmitters

Gates/Harris FM-1G 1 kw FM transmitter. This is the box that
uses a single 4CX1000A. Comes with final and guaranteed to run
8760 hours. No exciter.

Gates FM-1B ... 1 kw ... this is a nifty rig as it uses 4-400 output
tubes No exciter but only needs about 30 watts of drive

Available FM exciters

We have crystals or substitute oscillators for the RCA type exciter on 88.5, 94.7, 95.9, 97.7, 104.1 and 106.1. We also have a plug-in stereo generator and an SCA generator on 67 KHz for the RCA/Moseley exciter as well.

Collins/Continental 310/510 exciter presently on 97.9

And we have extra crystals for 95.3, 98.9, 100.3, 101.5 and 106.9 MHz.

This is a nice box and make 15 watts easily.

Replacement crystals for the above rock locked exciters Collins/Continental exciters are still available so we can move them to any desired freq.

Other stuff ...

1 **Burk IP-8** relay panel that normally goes with the ARC-16 remote system

2 Lengths of EIA 3 inch hardline flanged both ends --- 1 ft and a little more than 7 ½ ft.
Above hardline components priced at 40% of present list.

Farinon Audio microwave subcarrier demodulators

A two rack unit high assembly made for Western Electric/AT&T/Bell System by Farinon probably for their 'improved audio' network project in the early 80s

Farinon plug in rack frame with video in/out -- an XLR for each audio channel

SD-60587 audio demodulator on 5.8

SD-60587 audio demodulator on 6.4

SD-60585 DPX (assume contains video filter and splitter)

SD-60584 Power supply

A Farinon one rack unit high assembly made for broadcast customers

Farinon plug in rack frame with video in/out -- an XLR for each audio channel

SD-60303 audio demodulator on 6.2

Empty slot for a second SD-60303 audio demodulator

SD-60323 DPX (assume contains video filter and splitter)

SD-60322 Power supply

- 1 Microwave Filter Company Bandpass filter model 5948-6(SMA)
Which we assume means a 6 MHz wide filter for the standard
microwave channel
centered on 5948 with SMA connectors
- 1 Llambda power supply- regulated, remote sense, lab grade -
model LNS 20 to 32 volts 10 amps – set at 24 volts-wide input
range-series regulator type \$40.00
- 1 Llambda power supply- regulated, remote sense, lab grade -model
LNS-V-5-OV-1889
5 volts 3 amps – screwdriver fine adjust-wide input range-series
regulator type one unit is new, the other as new with IB. These can
be potted up to 6 volts and make a great supply for 6.3 volt DC
filaments \$40.00
each
- 1 Acopian triple output power supply model 3V51515T6- 5 volt, 15
volt and 15 volt. \$40.00
- 1 Acopian single output power supply model B95FT10 - 95
volts \$20.00
- 1 PMC single voltage output power supply model PXS-8-5-
V \$20.00
- 1 Stabaline 120 volt in - 6.3 volt 10 amp out filament regulator

transformer - perfect for your 4CX1000A or 8133
driver 50.00

1 Stabaline constant voltage transformer 120 or 220 volts in
120 volts out at about 500 va - has line plug in at the moment &
duplex 5-15R outlet for output . \$100.00

1 4-250A - was making emission when pulled

1 12VAFP4 Black and white CRT as used in many TV monitors

Several power transformer in the tube IPA area and some very nice UTC chokes
including a large 'swinging choke' model CG-105 5 hys at 350 mas
ramping up to 25 hys at 35 mas with a DCR of 90 ohms.

In the normal choke range I have some UTC 400 mas 8 hy type as well.

FASCO Blower ... essentially new as it was used just about one week
(which is a lot, lot less than its rated ten years MTBF)

Model 70731195 Type U73B1 350 CFM

120 volt 60 Hz 1.6 amps 1550 RPM thermally protected

Has a square 5 by 5 inch flat

flange

\$90.00

Grainger replacement motor ... new in box, never used, model 6K376 – ¾ hp drip
proof – 115/208/230 volt 50/60 Hz 1725/1425 RPM ... capacitor start ... service
factor 1.25 .. mounting cradle ... Bearings Double Shielded Ball, Thermal
Protection Auto, Full Load Amps 10.2/5.1... weight about 30 pounds ... auto
thermal protection ... 5/8ths shaft ... shaft length 1 7/8ths ... rotation either CW or
CCW ... UL

Recognized (E47479), CSA Certified (701887) ... insulation class B ... this one is
made in the US as opposed to the latest that are made in Mexico .. currently in the
Grainger catalog at \$225.00 .. make an offer.

Crystal filters

10.7 sideband filter about 2.4 KHz wide

A PCB with three 21.4 filters on it with 1, 10, 100 KHz bandwidth

Turnbuckle (just one?) galvanized 14 inch body, $\frac{3}{4}$ inch shafts, eye on one end and clevis on the other

Venier dial ... nice Japanese 50 mm approximately 5 turn 180 degree vernier with calibrated dial that is made for 180 degree air variable caps with $\frac{1}{4}$ inch shaft.

Bonus HVAC parts

A list of the used but very serviceable HVAC stuff in 'the big box'.

Quan Description

2 12" by 16" motorized DUCT dampers .. only open/close positions

1 Becket boiler

1 Two zone, two stage cool, two stage heat controller

x various Becket parts

AM Broadcast Antenna Tuning, Phasing and Diplexer Parts Used or NOS but in very serviceable condition

Coils

Multitronics M 32-20 - coil is 20 turns edge wound good for 32 amps at 1 MHz

Gates small 'pony' coil ... - coil is 8 turns edge wound good for 6 amps at 1 MHz
this is the classic about 100 js that sits at the end of the shunt arm in 1 kw ATUs to
adjust the fixed value of shunt capacitance.

Capacitors ... all RF as described quantity of one values at 1 MHz

Sangamo

0.0005 uf 12.5 kv Type E

0.002 uf 7 kv Type E

0.0001 uf 10 kv 6.8 amps type 292

0.00031 uf 8 kv 16 amps type 292

0.0008 type 292

0.002 uf 6 kv 11 amps type 291

Cornell Dubilier

0.003 uf 8 kv 16 amps

0.002 6 kv 11 amps

Three BIG old but very serviceable 0.0016 uf ... they knew how to make them back then

Aerovox

0.0002 6 kv 11 amps

0.0039 8 kv 18 amps

Caps out of the Gates 1 kw tube units

Mica cap

0.0015 12.5 kv ~ 12 amps model 1996

0.002 12.5 kv 12.5 amps

0.002 8 kv 11.5 amps

Jennings Vacuums

50 mmf type CA 423

Variable 200 pf max

Jennings Variable Vacuum Capacitor model USLS 81-215 pf at 6 Kv

Chokes

UTC-105 swinging type filter choke ... 25 H at 35 mas & 5 H at 350 mas.
In pristine physical condition.

I also found some **panel type run timers** ...

two Hayden 120 volt 60 Hz 2.5 watt -- one sitting at all zeros and a second sitting at 2360.8 hrs

one brand new Reddington (this is the exact unit used in the Dielectric pressurizer that is in just about every TV station) sitting at all zeroes -- 120 volt 60 Hz series 711

Johnson FM/SCA rock locked Receiver Crystals

Operating freq in MHz

Full size crystals

92.1

97.1 (have 2)

98.5

102.9

105.5

Small size crystals

89.5 (have 2)

92.7 (have 2)

93.9

94.9 (have 3)

95.7

97.9

102.1

106.1

106.7

Two levels of staging / gantry ... all aluminum so it is light enough for one person to erect ... absolutely in new condition ... used by a little old Hawaiian woman to change the candelier bulbs in the foyer about every three years

4 flat feet

4 end sections

4 cross side diagonals

1 work platform

\$600.00 (pretty close to

<http://www.americanladders.com/ladder/home.php?cat=364>)

Looking for ...A Sine Systems RFC-1/B Just the brain unit.

WCCC has the following items for sale:

FM Isocoupler, Kintronics FM-20, 20kw. Excellent condition. \$600 or BO.

950 Mhz Isocoupler, Kintronics. N female in and out. Excellent condition. \$400 or BO.

450 Mhz Isocoupler, Kintronics, N female in and out. Excellent condition. \$400 or BO.

Contact J. Ramsey, jramsey@wccc.com