

# Radio Shopper

RADIO'S TECHNOLOGY PUBLICATION

Radio for Radio People: *BNetRadio*



It's an internet streaming "radio station" for broadcasters. BNetRadio is a pop rock/oldies format, with special programming and commercials directed at the professional broadcast industry. Special programming includes: produced vignettes with news, information and interviews with broadcast industry authorities and folks "in the know," about what's happening in the television and radio biz. The commercials are for pro broadcast products and services. PSA avails are offered to broadcast related organizations.

With the help of several broadcast industry equipment, software and services providers, they call "partners," BNet radio emanates from a state-of-the-art digital studio at the Broadcast Net offices in Houston, Texas.

Here's how it's all put together. The station automation system is the new Starmax Studio software from BTSG Software. Over 2,900 of the top rated oldies (50s-90s) on hard disk are from Halland Broadcast Services and are scheduled with Music 1 scheduling software. The Image Jingles are the "Boss Radio" package, originally done by PAMS, and sung for BNetRadio by KenR, Inc. Traffic and billing is done with CBSI software.

The audio card is a Digigram PCX440np, which feeds to a Logitek digital engine/router, controlled by their virtual console. The entire studio, digital and analog, is wired with CAT5. All ins and out are run to a Radio Systems Studio Hub patch panel. Processing is done by a Telos Omnia.net and fed to a Telos Audioactive real time MP3 Encoder/Server.

The output is TCP/IP, and is fed on the net, through special interface software, to a Microsoft Media encoder at Video2Net (a bandwidth provider) for distribution on the net from several locations worldwide. Their massive bandwidth can provide thousands of simultaneous streams to listeners worldwide.

Other studio peripherals include RE-27 microphones feeding Symetrix 528A mike processors, Symetrix monitor amp driving JBL 4206 monitors, and a Gentner hybrid telephone interface. They use Cool Edit Pro for production. BNetRadio is licensed for music streaming by ASCAP and BMI.

The stream is at 32kb stereo, so you will need a good 40K+ internet connection to get an solid stream. As the stream is MP3, a recent version of Microsoft Media Player is needed. If you don't have it, it is free on the Microsoft website.

While the majority of the programming is fully automated, you can occasionally catch them doing live-assist jocking. There will be a studio-cam, so you might get to see personnel on the air, or doing production. Mostly, you'll see the equipment and software in action. They hope to present industry-related "events" on-line from time to time. They are open to any suggestions for programming of industry value. They want to make the communication interactive, and welcome your input.

They also hope to make BNetRadio a valuable industry information source, and the next step in internet marketing of broadcast products and services.

Give them a listen at <http://www.bnetradio.com>

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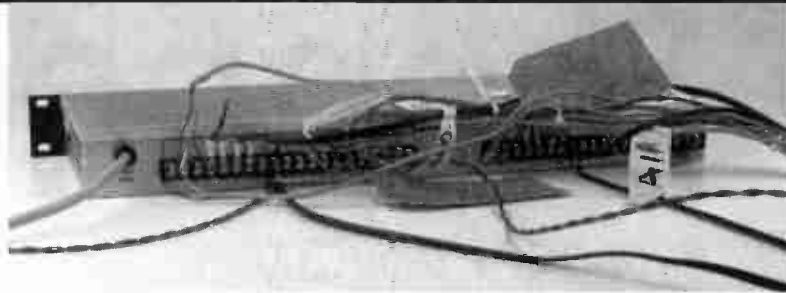
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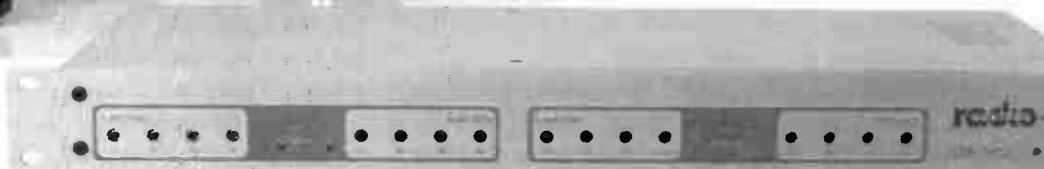
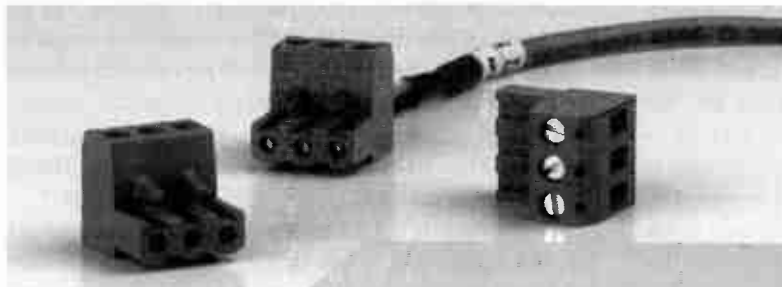
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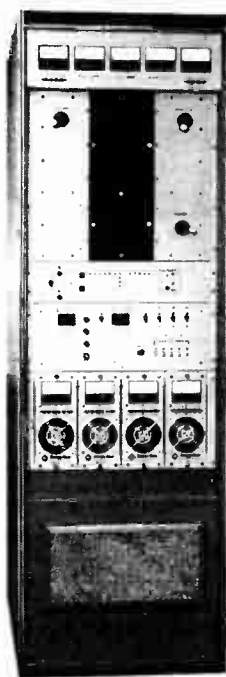
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# In the Public Interest



## Ken's Top 10 List of Lame Excuses to the FCC

By Ken Orchard

E-Mail: PIFILE@aol.com Phone: 760-243-4733

### Ken's Top 10 List of Lame Excuses for Bad Public Files

- 10) "We're too busy with sales and collections. The owners want results."
  - 9) "I thought all that stuff was deregulated."
  - 8) "We're gamblers. If we end up getting fined . . . it's just the cost of 'doing business'."
  - 7) "I've been in radio for years, the only 'public' we ever get is concert ticket winners."
  - 6) "Our engineer handles all that stuff. I'm sure he's on top of it."
  - 5) "Our receptionist handles all that stuff. I'm sure she's on top of it."
  - 4) "Our program director handles all that stuff. I'm sure he's on top of it."
  - 3) "File? My secretary is always behind on her filing, otherwise she does a great job."
  - 2) "The previous owners must have taken it - along with two cassette players."
- And the number one lame excuse: "What's a Public Inspection File?"

The FCC doesn't accept these excuses. As I told you in my previous articles, the Field Offices of the FCC were changed over to "Enforcement Bureau's." During the first two months, from January 1 to February 29, 2000, the FCC's Enforcement Bureau Offices had issued nearly 120 FCC Communications Act Violations.

Some of these violations were simple things that all program directors and air personalities should know - making a proper station identification. The FCC is out there listening to your stations.

This past Sunday, I was traveling along the Interstate from Las Vegas toward Los Angeles, enjoying the Dodger Broadcast on one of their affiliate stations. The board operator missed the legal station identification at both the Noon, and 1:00 p.m. hours. According to my National Association of Broadcasters Inspection Checklist, the fine for failure to provide station ID is \$1,000. Your \$6.00 per hour board operator potentially could cost you more than their entire monthly salary.

One station, who received a fine for an FCC violation, was given thirty days to respond to the FCC. This station was then served another Notice Of Violation, failed to respond, and was cited with an *additional* fine of \$4,000.

Other violations, recently issued by the FCC, have been for the failure to maintain an effective locked fence, around the base of each antenna having radio frequency potential at the base. A Virginia station was fined \$9,000 for this.

An FM station was fined for failure to maintain power with 90 to 105% of authorized TPO. Another potential problem? If your EAS equipment is not installed or operational, your station could be fined \$8,000. Another example: Failure to maintain Issues-Program Lists can result in a fine of up to \$10,000.

Failure to designate a Chief Operator for your station could result in additional fines. And last month, failure to maintain a station log and numerous other violations have resulted in FCC Enforcement Bureau fines - all over the country.

Having a contest? Do your jocks realize that broadcasting conversations without prior authorization can result in a fine of \$4,000? Does that even cover their salary? To most of us who have been in the broadcast industry for many years, this particular law is standard operating procedure. However, there are rookie personalities who may not be completely aware of the FCC rules, and are jeopardizing your station's revenues for a "cute bit" on the air.

Last month I wrote about a group I have been working with, who was in the process of purchasing an AM/FM combo in the West. I visited the station for several days, and found that the potential FCC risk factor could have resulted in fines of \$27,000 for the seller!

Yes, just like purchasing real estate, the Escrow Company requires an inspector to come out to make sure the roof and termite inspector has been there to insure that the property meets industry standards. I am the termite inspector. I found many "bugs" at these stations, cleaned them up, and saved the seller and buyer a great amount of money that the FCC could have fined them in a future inspection.

During the process of the sale, the buyer and seller must agree on who will be responsible for FCC compliance. If this is not done to the satisfaction of the FCC, attorneys will then begin arguing over who will ultimately be responsible to, not only pay the fines, but cover the cost of bringing the station in non-compliance up to standards. The FCC doesn't care *who* incurs the cost, as long as it gets done.

It is more prudent for the parties involved to negotiate this in the beginning, or better yet, if the current station owner would just take the effort to be certain they are meeting the Compliance Laws set forth by the FCC, a great deal of cost and headache will be avoided.

These western stations, that I consulted with, were saved \$27,000 in potential fines. How much more did I save them in potential legal fees if these problems were not addressed?

Now, the new owners can begin with a clean slate, and the confidence that when the FCC shows up (and I *do* mean when) they are in full compliance. Don't put a \$6.00 per hour board operator in charge of your Public Inspection Files, and full FCC Compliance of your million dollar investment!

I have listed only a few of the FCC violation citations issued in the first couple of months of 2000. You cannot wave a magic wand and erase these violations in a few days or weeks. Last summer, a California broadcaster with multiple stations was fined \$71,000. Here it is eight months later, and I'm still working with them trying to clear up these violations. This is a huge undertaking for their attorneys, owner and myself. - Radio Shopper -

Ken Orchard is an expert with Public Inspection Files, FCC compliance and Due Diligence Reports. With 40 years experience in the broadcast industry, he has helped many stations avoid costly fines and problems. Ken Orchard can be contacted at 760-243-4733, or Email him at PIFILE@aol.com.

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## Station Stories

“Be a Broadcast Engineer in Three Easy Steps”



By Andy Soule – Dover-Foxcroft, Maine

E-Mail: [doctorradio@yahoo.com](mailto:doctorradio@yahoo.com) Fax: 206-493-1305

I'm expecting to hear Sally Struthers add this to her list of correspondence courses any day now. There are so many who like to play engineer. From jocks fooling with the processing, to the owner trying to save a few bucks – “doing it himself.” I blame Bob Vila for this. All those years he played Mr. Know-it-all on the PBS series This Old House. If you watched carefully though, you noticed that Bob never actually did anything but talk. Norm was doing the work. Norm knew what he was doing and, in the end, the world was good, and Norm finally got his own show . . . and every tool imaginable.

Some thoughts this month, after an interesting event at home. My furnace started making a horrible noise, accompanied by a sour smell. I feared the worst. My two year old son had surely dropped a toy down the vent, and the blower was grinding to a halt. I went down to the cellar and looked things over, then decided it would be better to call someone who does that for a living, and avoid making a late, frustrating night of it.

Standing there, hands, on my hips, watching this guy take my heating system apart, I started thinking. Would I have asked a disk jockey to fix this? At many stations, where there is no technical personnel on staff, it could very well happen. How about that GM fixing the brakes on your wife's car? Wouldn't do that would you? Imagine the typical radio sales person working air traffic control at Logan?

Running a radio station is hard enough. Technical decisions and operations must be done by technical people. Sure, changing an air filter on the transmitter is a simple job. Even that DJ could probably do it. But will the DJ notice that the weld on the harmonic filter has broken, and it is hanging there by the bullet? Will the GM recognize a jiggling IPA meter as oscillations that should be tracked down? Will that web-page nerd understand that everything sounds like crap because he hooked up the audio card in production with seven adapters, then stripped wire with his teeth, and made a splice with duct tape . . . and coiled up the excess on the power supply?

I can't understand how some “Professionals” justify operating a high technology business, with inadequate technical personnel on hand. Yet it is happening all too often. It is not just poor business practice – someone could get killed! I recently talked to a jock who had been ordered to replace a rectifier tube years ago, by his GM. He was successful, but never knew about shorting sticks until months later. It's a wonder no one had been killed, because they didn't know safety procedures around this stuff. I'm sure the same GM would be willing to send the first volunteer that came along to re-lamp the tower too (almost certainly after the last bulb had burnt out).

When I called my oil company for help, late at night, they were happy to come right over. We have an old house, and buy lots of oil from them. Would they have been so eager to serve if I was not a regular customer? When a station that ignores their equipment until it fails, then calls, bleating for help, will you go? Is it worth losing sleep, knowing a regular, good paying customer needs your full attention tomorrow?

In the end, my son was vindicated, and the cat implicated. With the blower pulled out of the ducting, we discovered an unlucky mouse had wandered into the fan. The front half was jammed in the tines of the fan, and his little head was making the ‘WHACK-WHACK-WHACK’ sound that prompted my call. The rest of him was certainly blown up into the heat exchanger, which explains the smell. I'll bet that mouse had been watching Bob Vila.

### From the Arc & Spark Department:

A gathering of engineers was being planned recently, and a friend suggested that we have a cook-out. “What do you suggest,” I asked, “Cook hot dogs on our soldering irons?”

I'm sure there are many more possibilities. I have an uncle who moonlights as a registered Maine guide. He does taxidermy, and always has all sorts of wild game in his freezer. Last time I was there, he had a dehydrator set up, and was making Moose Jerky. That warm breeze out the top of a DX10 would be perfect for making Moose Jerky. Has anyone tried microwave-style cooking at lower frequencies? I've always wondered how long it would take to warm a frozen 7-11 burrito in my BE FM30B. Or how about making a grilled cheese sandwich by wedging it in between the horn gaps on your AM tower?

But seriously, If you want to demonstrate the need for real radio engineers, who know about safety concerns around the radio station to management, try this little experiment a high school teacher did in my first day in Basic Electricity class. Take a small wooden board, about 6" x 12", and put two nails through it, about 6" apart in the center. Cut the receptacle end off an extension cord, strip the wires, and secure each one to a nail. Stick a hot dog on so a nail pierces each end. Plug it in, and stand back. Unplug after sixty seconds, or when hot dog turns black, whichever comes first.

If you're feeling creative, build a little chair and draw a face on your little ‘hot dog man’, and send it to school with your kid for the science fair.

(Continued on page 6)

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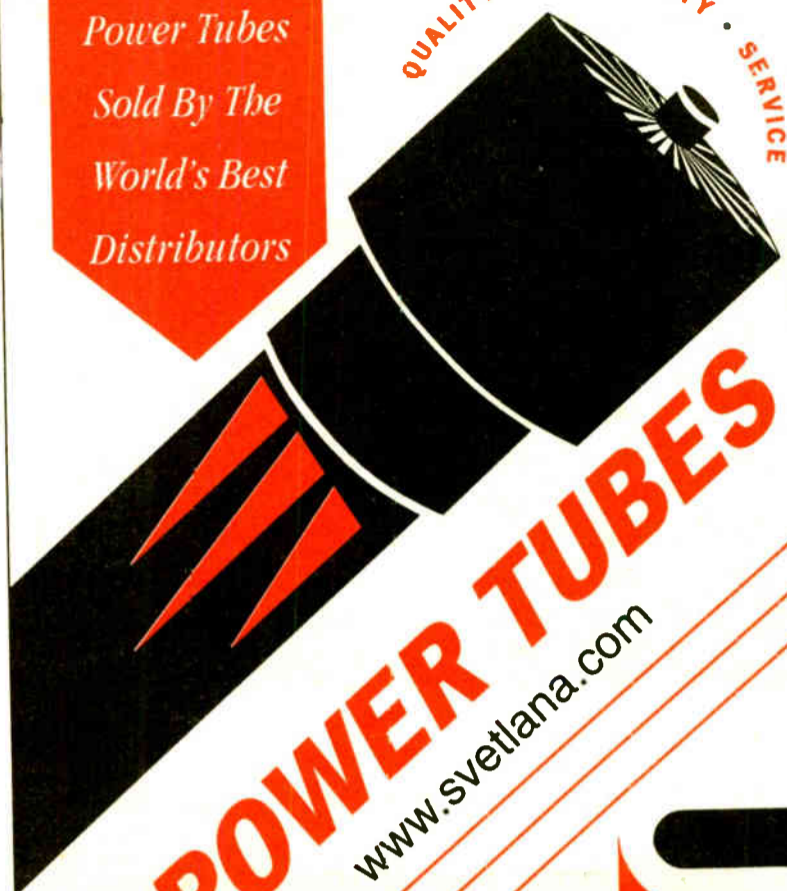
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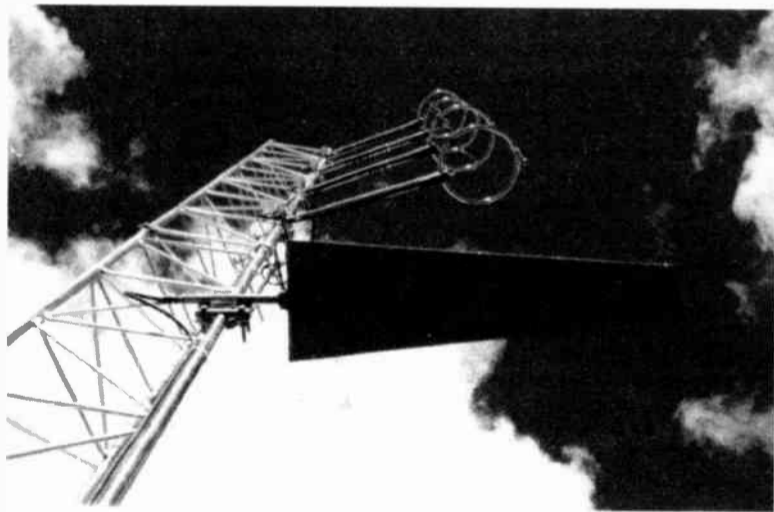
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MP-3	\$980	0.8Kw	GP-3	\$1,900	6Kw	SGP-3	\$3,595	10Kw
MP-4	\$1,280	0.8Kw	GP-4	\$2,600	6Kw	SGP-4	\$4,500	10Kw
MP2-4	\$1,820	2Kw	GP-5	\$3,150	6Kw	SGP-5	\$5,300	10Kw
MP3-5	\$2,270	3Kw	GP-6	\$3,700	6kw	SGP-6	\$6,100	10Kw
MP3-6	\$2,740	3kw						

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## Station Stories

"Be a Broadcast Engineer in Three Easy Steps"



Continued from page 4.

### Don't Find Yourself in These Situations!

The sale was about to be closed, and the new owners insisted that all PCB components, leaking or not, be removed. So a filter cap in the auxiliary transmitter was carefully disposed of. Unfortunately, a replacement was not available when that transmitter was needed in an emergency. End result, the station was off the air for a day, for no real good reason.

"You know, it says right in the rules, that you're supposed to have a cleared path to the towers," said the FCC inspector, trudging through two-and-a-half feet of snow, out to check base current readings. Twenty feet closer to the doghouse, he fell flat on his face.

What would you say to the boss's son, who had worked his way up from car washer to oil changer, at the family car dealership. On his first day, he properly drained the oil and changed the filter on a customer's car. Then he filled it up with fresh motor oil. I mean he *filled* it up to the top!

Perhaps I've told you before about the tower crew that dropped part of an FM bay off a five-hundred-foot tall tower? The piece was quite mangled when found on the ground, so they took it to the local Texaco station, and welded it back into, more-or-less, the correct shape.

If your AM is simulcasting another station via the output from an FM radio, shame on you! But just make sure the cleaning people understand that they are not allowed to change that radio to the station they want to listen to. Andrew "Dice" Clay tapes are also a no-no.

Then there was the overnight jock who, having observed the station's contract engineer replacing light bulbs in the console, took it upon himself to change out one that had just gone bad during the night. Imagine his surprise, when half the faders stopped working in the middle of his show. Bright idea . . . dim choice of bulbs.

Ever get to the transmitter site and discover you've left the tools behind? The whole purpose of the trip was to adjust something that requires something no bigger than a greenie. Try hammering on the end of a paperclip, to get a flat edge. It works!

Will IBOC be Conelrad compliant? If all our EAS boxes are outlawed by the patent office, we'll have to do something - right? And, who really wants to go back to the long tones? I'm prepared now! On my web site, I placed a photo of a box I've had for a while, and always suspected it was an old Conelrad detector, and now it has been confirmed. What to do with it? Maybe Ebay . . .

### Station Story:

Last month we discussed senseless vandalism in our station story. Recently, Andy Linton, of Waterford, Ireland, created a web-page to commemorate a fine transmitter that was also a victim of needless destruction. He has included several before and after photo's, and a brief history of the rig. You can see the page at: <http://www.esatclear.ie/~alinton/>.

This Station Stories column is about you and your experiences on the technical side of broadcasting. Have a funny story, or a good tale to tell about fire and disaster? How did you make something of nothing, to make your station work? Please share your items of interest with me, and I'll pass it along to our colleagues in the trenches. Fax me at 801-457-2555, Email to [doctorradio@yahoo.com](mailto:doctorradio@yahoo.com), or visit my ramshackle web page at [www.geocities.com/doctorradio](http://www.geocities.com/doctorradio). - Radio Shopper -

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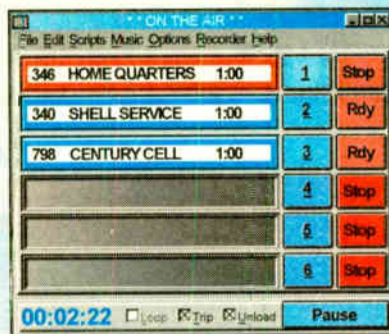
You won't need a staff of computer wizards to operate it either. Because CartWorks is designed to look and operate like traditional broadcast equipment, it's easy to learn and use.

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And there's no macro language to learn. It's all controlled from a simple Windows' point and click interface.



10:27:35



Time	Cart	Title	Artist	Length	Intro	End	Type	A
16:33:23	L004	Intro 2		00:05			INT	
16:33:28	DA LIVE	Spot Set		03:00			COM	
16:36:48	J007	Longer Sets		00:11			INT	
16:36:58	M12	Armageddon II	Def Leppard	04:54	:22		F MUS	
16:41:53	V018	Voice Track 18		00:05			VTR	
16:41:58	M170	Party Town	Glen Fry	02:49	:06		C MUS	
16:44:26	V018	Voice Track 18		00:05			VTR	
16:44:54	M817	Listen to Her heart	Tom Petty	02:49	:11		C MUS	
16:47:42	DA LIVE	Spot Set		03:00			COM	
16:50:42	J005	Today's Best Music		00:08			INT	
16:50:48	M336	Dance The Night Away	Van Halen	02:47	:13		F MUS	
16:53:36	V017	Voice Track 17		00:20			VTR	

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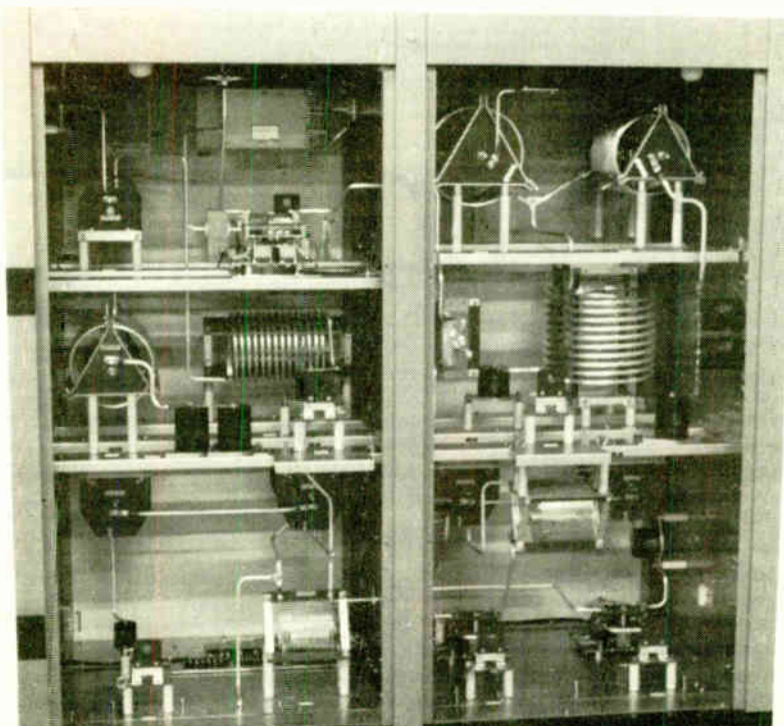
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Hardware & Software upgrades included at no charge	1 year	no	no
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# RadioNet

## Digital Automation and Live-Assist Software

By Rick Hall – Touchbase Sound and Design

E-mail: rhall@broadcast.net Website: www.touchbase.worlded.net



Because of the latest trends of technology, it seems that many radio stations are cutting back on their on-air staff. The latest developments in computers and the creation of MP3 are a key aspect to this. In-studio computers are replacing thousands of human disc jockeys each year. The in-studio computers, sometimes known as DCS, live assist, automation, voice tracker, and many others, are taking over the field of radio.

Hundreds of companies are now creating software programs that can be used in your studio to run your station without a disc jockey behind the control board. Thousands of stations are running human-free during the late evening hours, early morning hours, and even weekends.

Because there are hundreds of software and hardware titles for you to choose from, don't plan on making a decision over night. Some may be too basic for your needs, too advanced for your computer skills, and maybe even too pricey for your station's budget.

If your station is interested in using an automation system, live assist system, etc., you should first sit down and decide what your needs are. If you have basic needs, chances are they can be fulfilled a heck of a lot easier.

I'd like to help you shop for a computer system, compare software and hardware titles, based upon their complexity. This is not a review, however, just a chance for you to see what is available.

### BSI

If you require a software title that will play all of your jingles, commercials, liners, beds, etc., then consider using a program called OnScreen Cart Machine, which is produced by BSI ([www.bsiusa.com](http://www.bsiusa.com)).

According to BSI's web site, "More than 3,000 broadcast stations worldwide are using WaveCart. BSI's WaveCart replaces radio station cart machines, providing lightning fast digital audio for just a fraction of the cost of other systems."

What is neat about using a program such as WaveCart, you can record spots, liners and jingles onto your PC hard drive with CD fidelity. WaveCart uses a special type of technology called Rapid Fire®, which means that audio startup is instant. WaveCart can even rotate spots according to exact percentages. Priced around \$299, this software package could be just what your station is looking for.

### MegaSeg

If your station requires a software program that would be one notch above a "cart eliminator," then maybe you should check out a live-assist software program. Though almost all programs listed here are to be used with a Microsoft Windows computer, two programs, I have discovered, can be used with an Apple Macintosh.

MegaSeg, which is produced by Fidelity Media ([www.megaseg.com](http://www.megaseg.com)), is an excellent program to be used to automate the play of music. MegaSeg has become popular by many mobile disc jockeys. MegaSeg, which is usually priced around \$200, can be purchased for \$99 under a special sale, which ends on April 30.

MegaSeg is promoting using their software program with the new Apple Macintosh iMac. Though the iMac may be out of your price range, don't fret. MegaSeg can be used with any type of Macintosh that has a 150 MHz or better PowerPC processor, Mac OS 8.0 or better, QuickTime 4 "Full" install, and an average of 10 MB per song (however, if the songs are formatted in the MP3 4:1 compression format, then an average of 2.3MB is required per song). A used Macintosh laptop will do the trick. Though they are very pricey, you can more than likely find a bargain on an on-line auction service such as Ebay ([www.ebay.com](http://www.ebay.com)).

### OnTheAir

Another Macintosh solution is OnTheAir, which is produced by Intelligent Broadcasting Systems, Inc. OnTheAir Studio is an application designed to play back any types of sound files, and mix them for real, live-assist use. It supports everything, starting from simple AIFF to the new MPEG Layer III (MP3) files and it is able to cross-fade, cut or mix any type of sound file format.

Though this may sound all good and fancy, the documentation included contains this clause, "Currently, MP3 files are played synchronously through QuickTime 4 [the latest version of Apple QuickTime]. That means that the playback can be interrupted by various user operations like dragging, copying files, accessing the network, etc."

But there is hope. The next paragraph reads, "All other sound file formats (including MPEG Layer I & II) play totally asynchronously, which means they are immune to this problem *except* when you mount or un-mount removable media (CD-ROMs, JAZ, ZIP etc.)."

OnTheAir Studio can play sound files that consist of the following formats; AIFF (Audio Interchange File Format), AIFC (Same as AIFF, but compressed), Sound Designer II, WAVE (Windows), MPEG Layer 1, 2 and 3 (also known as MP3), and QuickTime (audio only).

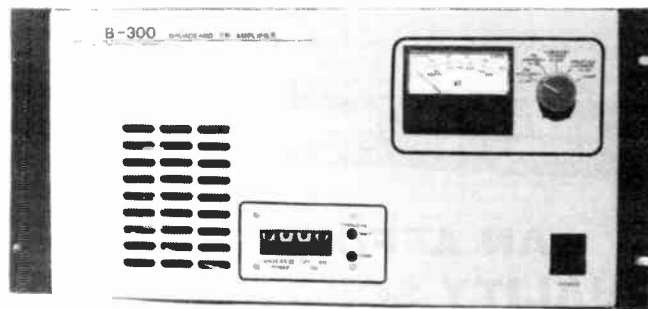
If you are interested in using OnTheAir Studio, I suggest that you check out the company's web site at [www.softronmedia.com/ibs/radio.html](http://www.softronmedia.com/ibs/radio.html). The program requires a Power Macintosh or MacOS compatible computer, a PowerPC processor (180 MHz or higher), QuickTime 3.0 or later (QuickTime 4.0 is needed for VU-Meters and MP3 playback), 32 MB of RAM, and a monitor capable of displaying 640x480 pixels in 256 colors. The retail price of OnTheAir Studio is \$495.

If your station or organization can not support the Apple Macintosh format, don't worry, there are still hundreds of other software titles that will support your operating system.

(Continued on page 10)

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### USC-16 Universal Satellite Controller

Offers remote control capabilities with multiple channel/memory selection for the Scientific-Atlanta 7300/DAT-32 series, Encore, DSR-3610 and AD-4595; Comtech/Fairchild DART-384, and Ariel type receivers. The USC-16 also provides four open collectors outputs to control transponder selection.



### XP-3 Transponder Controller

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Continued from page 9.

## Raduga

Raduga, was developed by the Spry Group, with the intent to be the designers and distributors of low priced, professional Radio Broadcast Software. It is perfect for small and medium market radio (both AM & FM), non-commercial/educational, , Internet radio, Part 15 Low Power AM and Low Power FM Radio Stations (LPPFM).

Version 3.0 has many key features that any radio station could find useful – small or large. Raduga is easy to use and understand, has an uncluttered interface, is PC-based and Windows 98 compatible. Supported files include Mp2, Mp3, WAV, RA, RM, RAM. There's support for MP3 Variable Bit Rate Format, full automation or live-assist, overlap (segueing of songs) with any single soundcard, and there's nine Instant Fire Hot Keys for assigning specific files.

It works like a cart machine, scheduling spots, jingles, PSA's, announcements, and programs to fire automatically at exact times. It also includes an Event Scheduler, Scheduled Event Warning System, Schedule Play/Stop Commands, Drag and Drop compatible, Built in Windows Explorer Tree Create and save Playlists., Create and save Mini-Playlists (a playlist within a playlist).

There's six different Play Modes including Normal, Manual, Repeat, Random, Shuffle and Intro Scan . . . Silence Detection to Minimize On-Air System Failure, Automatic Logging of Times and Play Sequence, Independent Variable, Overlapping for each song, Multi-Language Support, Built-In Help System, and hundreds of other features. With all these features, Raduga is priced at only \$529.00. A demo can be downloaded at the manufacturer's website ([www.raduga.net](http://www.raduga.net))

## EZ Automation

EZ Automation, which is another live-assist/automation solution for the Microsoft Windows environment, is available on the Internet at [www.voicetracking.com](http://www.voicetracking.com).

EZ Automation also has many neat features: Up-coming events can be changed easily, even when the system is on the air, Liner Buttons allow jocks to insert liners or sound effects, Satellite Ready Switcher, 16-Channel Audio Switcher w/ faders & silence sensor, will connect up to 15 different audio sources or networks into the automation system.

The Announcer/Scheduler plays custom liners specific to each announcer, the Fill Function allows automation to join news networks at specific time. It supports music on hard drive or satellite, music segues between songs, and Voice Tracking. You can do a live sounding air shift in less than 30 minutes, Voice Track from home, and send via Email (optional). Basic music and spot scheduling software are included, there's a Basic Spot Affidavit system, Digital Waveform Editing on one computer without on-air interruption, and it has separate audio outputs for on-air and production. It plays MPEG II wave files (BWF) and allows you to edit them too!

EZ Automation's price is based on the hardware that is required to run the software program. The system's hardware includes a Complete Pentium II 400 MHz Computer system, 2 PCI Audio Cards w/ overlapping audio (Mpeg II Compliant), 15" Monitor, Keyboard, 56K Modem, Mouse, Cool Edit software, 8.4 GB Hard drive, 64 Meg PC100 RAM, 16 Channel Audio Switcher w/ faders & silence sensor, and EZ Automation software for Windows NT 4.0. A base price for a system with complete "turnkeys" packages is only \$3450.00. The complete system can be leased for less than \$125.00 per month.

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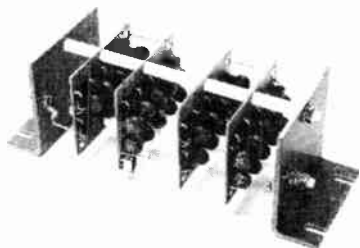
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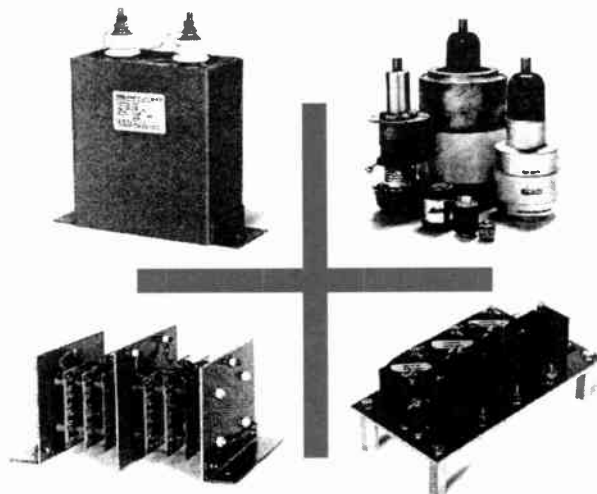
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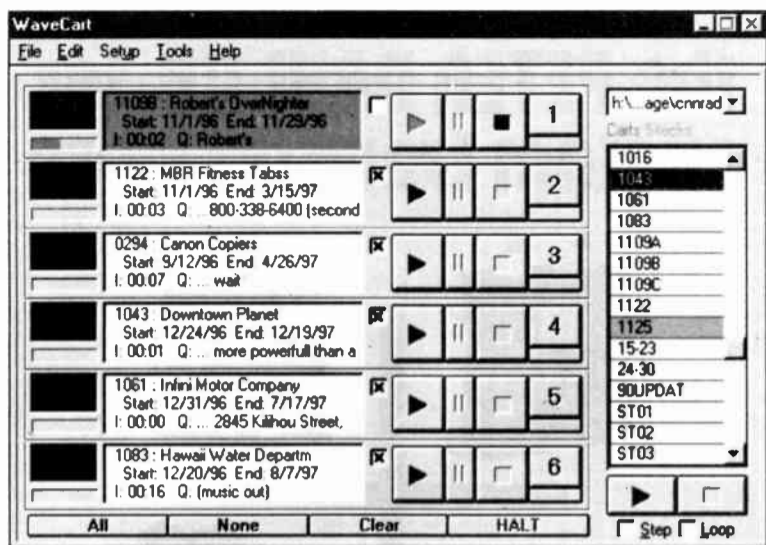
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	2.5 kW	1976	Collins 831D, Single Phase
	2.5 kW	1984	Harris FM-2.5K
	3 kW	1975	CSI FM3000E
	5 kW	1985	Harris FM-5K
	5 kW	1989	Harris HT-5, Single Phase
	5 kW	1978	RCA BTF-5ES2
	5 kW	1967	Collins 830E
AM Xmtrs	6 kW	1994	Henry 6000D
	12 kW	1996	CCA 12,000GZ
	22 kW	1978	Collins 831G2C
	1 kW	1979	Harris MW1A, 1-Phase
	1 kW	1979	Harris MW1A, 1-Phase
	1 kW	1993	Continental 314T, Solid State
	5 kW	1981	Harris MW-5A
	5 kW	1984	Harris SX-5
	10 kW	1978	Harris BC-10H
	50 kW	1978	Continental 317C-1
50kW	1982	Harris MW-50B	

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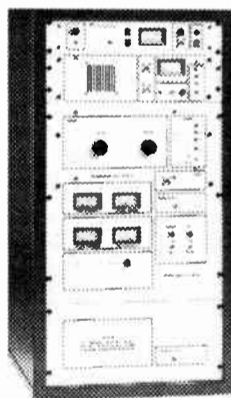
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## State of the Art

Communications Industry News



By Chip Morgan — President of CMBE Inc.

E-Mail: [Chip@cmbe.com](mailto:Chip@cmbe.com) Phone: 800-801-2623

### Wireless Doesn't Mean Radio Anymore

There's a lot more affecting the radio industry than satellite radio, webcasting and consolidation.

Advances in communications have made each mobile phone and computer-enabled appliance an interactive transceiver easily operated by children. With programming and interactive data streams on these devices, and the latest marketing and sales technology (Internet), you can see the future of broadcasting and how it interacts with retailing, point of purchase displays, billboards and every form of advertising and marketing we know.

Radio people laughed a little bit, in the early days, when engineers started talking about interactive radio. We wondered who would be interested in impulse buying of music, or coupons from advertisers. Nobody could foresee the way the market would change. But now, that the crystal ball is less cloudy, some interesting developments should be carefully considered.

### Put it on Your Phone Bill

You've probably heard about the Coke machines in Finland, that operate via cell phone. Dial the phone number of the soda machine, and it delivers a Coke. You pay later on your *phone bill!* You've probably also heard about how mobile phone technology is poised to deliver the Internet over the phone. Stop thinking about just the streaming audio possibilities for a minute – think about the connectivity.

Think about the Bluetooth standard. Bluetooth is an open specification that companies adopt on a royalty-free basis. The standard calls for a short-range radio built into anything . . . that enables information exchange on the free, universal 2.45 GHz industrial, scientific, and medical (ISM) band. As more devices adopt Bluetooth technology, all internet appliances will seamlessly and automatically interface. The standard supports healthy data rates in a combination of circuit-and packet-switching. Each "voice" channel supports a 64 Kbit/s synchronous link, and the asynchronous channel can support an asymmetric link of up to 721 Kbit/s in either direction, while permitting 57.6 Kbit/s in the return direction.

Bluetooth devices form small, ad hoc networks, referred to as piconets. A piconet can have between two and eight devices actively communicating with each other, but additional devices can be "parked" and accessed when required. The bottom-line is that, it's a short-distance radio system that realizes the dream of maximizing bandwidth by allowing multiple re-use of frequencies in very small cells.

But it's more than that. It makes a cell phone a cash register, and the phone company the bank! With Bluetooth, any device can communicate with a cellphone. Push the "buy" button on the phone and get another candy bar. Imagine telling your phone to watch for a specific price on an item, then walking down a street and your phone tells you that a store has a great deal inside on the item. But just as you're about to push the "Buy" button, the phone finds a *better* deal. You glance in the window and decide to support the local economy. Just press "Buy" and it'll be delivered to you. Who needs a shopping bag?

This modern miracle let's you buy anything and everything this way . . . and you'll pay for it, too, because you can't live without a phone. Naturally this technology could be built into radios. Will it?

### CoolTown Beacons

A similar software called E-Squirt comes from the Hewlett-Packard Labs' CoolTown research project, which is HP's testbed for future mobile technologies. E-Squirt lets users interact with "CoolTown Beacons," simple devices that broadcast a URL wirelessly. The software will allow PDAs, mobile phones, wristwatches and other devices to access Web content and services by wirelessly sending, or "squirt," a URL pointer. It uses infrared (IR) to squirt a URL to a PC, DVD player or any device that has Internet access or is networked to a device that does.

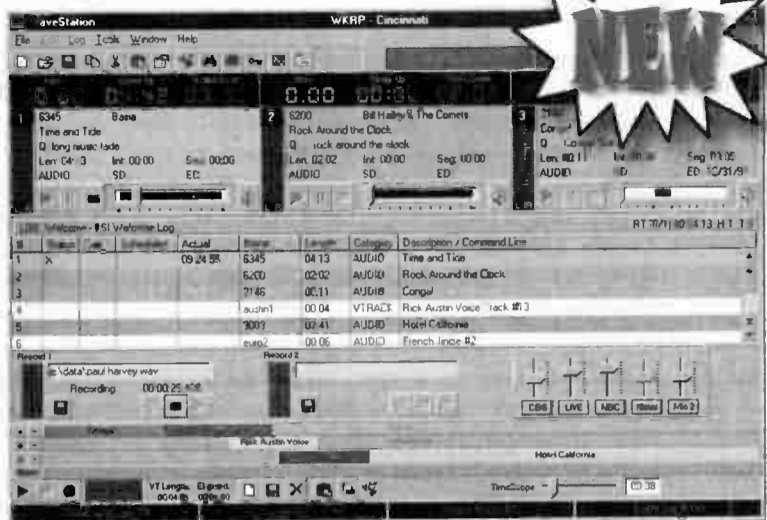
HP Labs is also exploring the potential of wearable computing in the form of a technically enhanced jacket called the BlazerJet. Depending on personal style, the BlazerJet, which is powered by NiMH mobile phone batteries and runs a stripped-down version of Linux, comes as a business blazer, motorcycle jacket or vest. The technology is sewn into the jacket. A microphone-to-speech command system is used for input and a tiny earpiece notifies the wearer of incoming information. "Pingers," which are used as an alert system, ping out the identity of an object or place by transmitting its Web address. They may be located outside shops or restaurants, and they match information about locations with data stored in your handheld.

(Continued on page 14)

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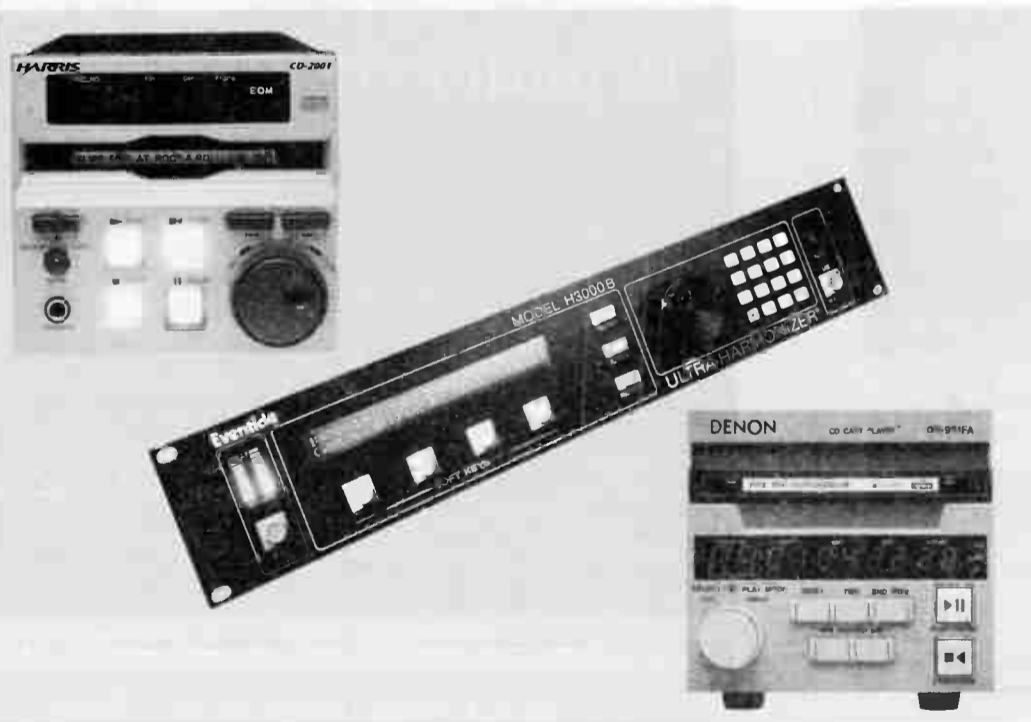


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## State of the Art

Communications Industry News



Continued from page 12.

### Xybernaut

But why not just bring the entire computing environment with you, in the form of a portable CPU? Rather than have different devices that have to sync up, Xybernaut, the wearable computing firm, envisions that people will carry the computer core (the "brains") and "dock" it with keyboards and monitors, cell phones, car dashboards, TVs and other devices. Xybernaut has patented its invention, which is a sealed device smaller than a PDA, with a connection port on one side to link with hardware. It's useful only after being docked into an "enclosure," or shell, such as a cell phone, which interacts with the outside world. It comes with 128 megabytes of RAM and two gigabytes of storage and is expected to cost less than \$1,000.

Speculation aside, one thing is for sure: Cell phones will play a central role in the future of wireless mobility. And according to industry experts, phones will evolve into a product that weighs about 3 ounces and is the size of a business card, but offers a more useful screen, keypad and color. The point is, while the radio industry is still trying to decide how to go digital, the lowly telephone can already do almost anything. Hello? - *Radio Shopper* -

*Chip Morgan is President of CMBE, Inc. - a consulting firm specializing in new technologies and ideas in broadcasting. The firm publishes a free daily email newsletter with the latest developments in broadcasting. You can find out more at [www.cmbe.com](http://www.cmbe.com).*

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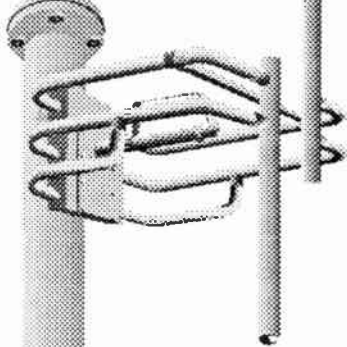
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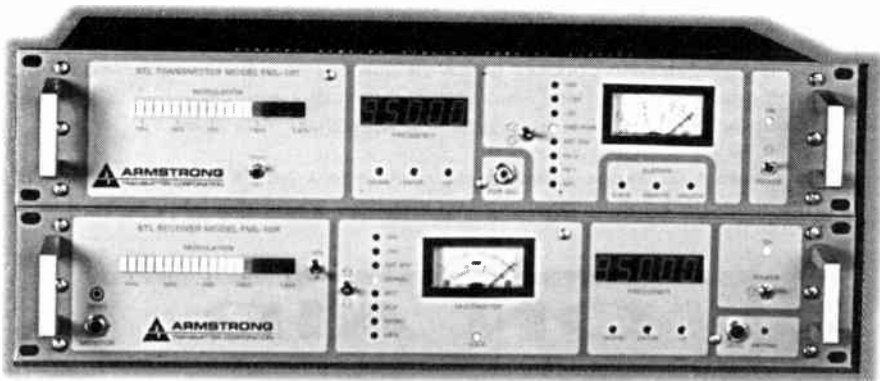
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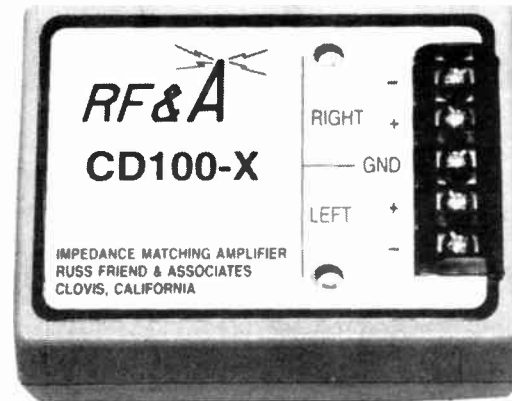
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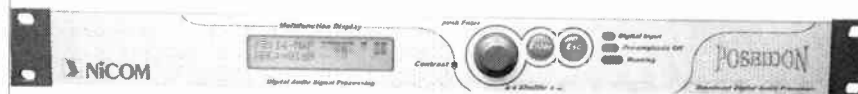
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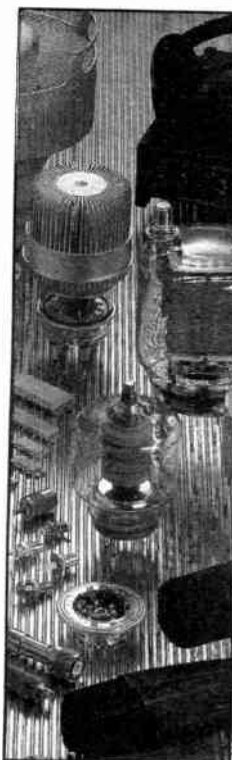
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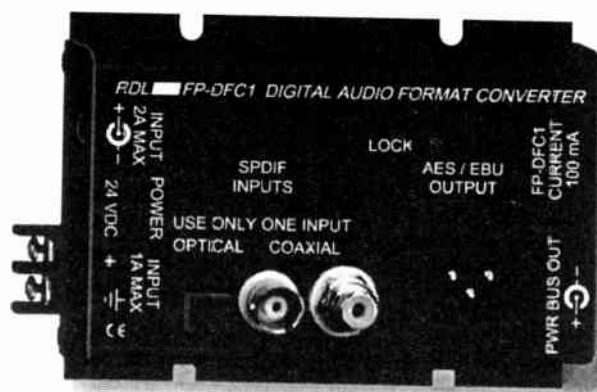
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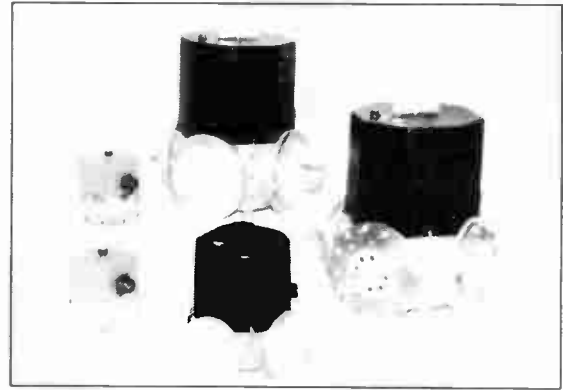


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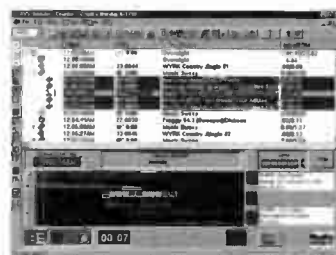
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## Radio Surplus Collection For Sale

**Equipment Racks.** Heavy duty, 6 foot high, pre-drilled mounting holes, all steel. Most have electric sockets and can handle equipment with front, or front and rear rack ears \$80 each.

**Scully 1/4" professional analog 1/4" Reel to Reel machine** in roll around rack with above meter bridge. I have not tried out yet, but looks good & was taken out of the radio station production room (very big & heavy). \$200

**2) Tandberg Radio Fabrinnk Model 15-21 Series 15 reel to reels.** This matching pair are in very nice cosmetic condition and are built in nice wooden cases. I manually tuned the take up reel since the main belt is broken in both machines from sitting. The front comes right off with six small screws and looks fairly easy to replace. Already boxed together. \$120 for pair.

**Viking model 235 reel to reel machine.** Tag on back says TD-235 Match Box. Front looks like a brushed type metal or stainless steel. \$25 obo.

**Wollensak 3M model 5000 analog reel.** Speeds are 1-7/8, 3-3/4, 7-1/2 IPS. I haven't tried out as I don't have a power cable. Was told that it was used to record high school concerts for radio broadcast. \$60

**3M M-79 open faced 1/4" reel machine** in "VERY" nice condition, built-in roll around console with above meter bridge. Slow logging speed + 7/15/30 speeds. A very nice robust professional machine that weighs 200lbs, with hard notebook manual. \$750

**Box of large RF coils** - that's what the box says. It came out of the engineers main work area. \$30

**Big box full of Hoffman Easy Vision Television service parts,** like #4255-A (there are at least 16 shiny looking tubes with 5-7 places to connect on the end and say mFd with numbers on them, there are other new related boxes of parts of which I don't know what they are. (ARE NEW OLD STOCK IN ORIGINAL BOXES). Will sell all for. \$15

**Two large boxes of new motors,** still in packed boxes from Oriental Motor. Japan S-301 motors - 7.5W 115V 1500/1800 RPM. F30500 Reaction Motor - 50/60 Hz 0.35xQ30A Impedance protected. (Make decent offer.)

**Antenna lightning arrester.** Joslyn P/N 1936-09 \$25

**BIG RESISTORS.** Carborundum C 886-SP2-L, 20 ohms P/M 20% 60 watts. I have over 50 in box (new). \$18

**Rectifiers:** Box of 34 radiator style, new old stock for amps, plus some other related items. All for. \$15

**Box says Strain Relief:** Efcor 3/4 has what looks to be pipe threads on one end, the other end has a plastic sleeve and is open on both ends - is about 1 3/4 long. \$15 for box of over 25 new ones

**Allen Dumont Laboratories Type 303-AR Cathode Ray Oscillograph.** \$45

**Allen Dumont Labs Oscilloscope,** for WE type 2577-KS 15586. \$45

**Ampex Model 300E Vacuum tube voltmeter,** made by Bellantine Labs, 30CPS-200KCS, back screws are: amp, null, 250V, 6.3V. Front has: AC Volts & decibel meter, and Volts & Full scale switch, and L-R Sockets. I plugged in, lit up. \$70 obo.

**Amplifier Corp of America Model 590 Type A-1 Sensitive flutter meter.** \$50

**B & W - Barker & Williamson Inc.** - Nidek 400 Distortion meter. Very good cosmetically, but power cable is dry and cracked. \$45

**Belden wire.** 8450-T-1000, 22 AWG solid twisted pair Beldfoil shielded miniature PVC plastic jacketed cable, rated 300 volts. Big reel is new

wire. I do not know how many feet are or this large roll of wire. \$20

**Beta Scope Model 8519** Non destructive thickness gauge. Mfg for Twin City Testing Corp. by the LIONEL Electronic Labs (Make decent offer.)

**Calrad,** small transistorized stereo/or/mono microphone mixer in black metal case. 4 channel with four 1/4 inputs and L/R stereo RCA outputs. (I believe it uses a 9 volt battery.) \$10

**Central Scientific Corp Decade Resistor,** NO 82821C, Chicago USA. \$30

**Channel Master model 6708** all channel UHF converter. Has channel selector, fine tuning & on/off knobs on front, power cable. I never plugged up, looks OK though. \$5

**Do-All Model 740A TV-Generator.** \$20

**Eico Model 1078** Voltage & amp meter. (Make offer.)

**Eico Model 1120** Capacitor substitution box. \$20

**Electronics Model 36-616** CRT tester & rejuvenator, full color & B&W with instruction booklet and case. \$20

**Electro-Voice Model 502** heavy duty looking transformer 1/4 to XLR cable. \$15 obo.

**Federal Aviation Agency Type FA-5682** power supply. \$20 obo.

**Garrard Model AX-20** record changer. Made in England TA-MK II, with Harmon-Kardon warranty papers, warranty service card and complete original service manual. It looks real nice cosmetically. The bottom wood pieces were taken apart, packed away & stored many years by my audio friend. It has sat for so long that the rubber pieces have most likely dried out. I plugged it in & the motor kicked right in, but it didn't want to turn. Has been boxed up for many years. \$30

**General Cambridge Radio Company Type 1301-A.** Low distortion oscillator.

**General Radio Corp Decade Att. transformer type 578-A.** \$12

**General Radio Corp distortion & noise meter,** Type 1932-A, rack mounts. \$45

**Heathkit Model AV-3.** Has a RMS volt meter & audio/VTVM knob. I broke a piece out of the meter cover moving it, but no damage was done the meter itself. \$10

**HeathKit Model T-3** Visual-Aural signal tracer. (Make offer.)

**HeathKit G1** signal generator (Make offer.)

**HeathKit Model 1G-16** Sine square audio generator. \$40

**Hewlett Packard 206 A** audio signal generator.

**Hewlett Packard 330B & 330C** distortion analyzer.

**Hewlett Packard Model 400** Vacuum tube voltmeter. (3) @ \$35 each.

**Lambda Electronics** Power supply. \$35

**LFI Type J control,** model 232 Auto Temp. Control. Looks nice (Make offer)

**Mart Electronics Remote control system.** RMC-2AXS and RMC-2AXT(A). \$150

**Nems Clarke Type 108 E,** phase monitor. \$37

**National Radio Institute (NRI) Model 12** vacuum tube voltmeter. Looks good with power cord.

**Ohmite VT variable transformer** No-VTS-5, (looks good with cord). \$30 firm.

**Oscilloscope FM Radar.** AN/USM Dept of the Navy, Bureau of Aeronautics; Model Engineering & MFG Co. OS-4A/AP; in nice metal box with carry handles. \$50

**Radio City Products Model 663A** electronics Multi-Tester. Good cosmetics & handle, but power cable is dry cracked. \$50 obo. (Has a cool classic look.)

**Regency FM-Televerter Model RC-103.** \$6

**Rutherford Electronics B7B** Mod 2 pulse generator. (Make offer.)

**Sencore Model TDC22** transistor crystal diode checker with instruction booklet. \$35 obo.

**Sherwood Electronic Labs Inc Model S3MX,** FM Stereo Multiplex, Stereo MX adapter. Box of two tube units, each has 2-RCA MX & FM inputs. 4-RCA outputs: A, Tape, B, Tape. Plugged in, both units lit up. One is missing a face plate. (Make reasonable offer.)

**Shure/Bogen microphone Model no 710BG** crystal mic. Brown in color, made in USA by Shure Bro's, inc. Chicago, USA for Bogen. \$40

**Simpson Model #383-A** Capacohmmeter. Capacitance & in-circuit leakage tester. Plastic meter cover is cracked, but lit right up when I plugged it in. \$40 obo.

**Sonlight audible signal Alarm panel A2,** by PR Mallory & Co inc. \$20

**SPARTA AUTOMATION EQUIPMENT.** Will sell for one money (make reasonable offer) \*Sparta Model REM-1052 Automation remote control, cable, panels, misc auto. \*Sparta Model RS-3100 RS-4100 Random Access. \*Sparta REM-25 Remote control, cables, etc. \*3-SpartaMation cart automation systems, mounted in metal racks. \*Sparta LAM 1 Line/monitor amplifier, has two VU meters, 2 rack space with black external box with fuse and cable.

**Tektronix Type RM31A** Oscilloscope. Brushed metal front finish and Tektronix type 122 low level amplifier. \$200 for both.

**Tektronix Type S61A** Oscilloscope. Vertical Type 3S76 sampling dual trace/Horizontal Type 3T77 sampling sweep. \$45

**University Model PP-1T** "Powerpage" with microphone and nice leather shoulder strap, but no speaker. Battery compartment in clean without rust, etc. \$10 (Uses lantern batteries.)

**Voltampere Corp DC power supply.** 0-40V 0-50A pp7545-B10. Full rack mount width with ears and pull-out handles, height 7", 19" deep, weight 90lbs. (Make offer.)

**Weston Instruments Model 1240** tester. Looks nice. \$30

**ART Studio Nightbass** Professional bass guitar preamp processor with hundreds of preset and user effects. This \$900 stereo bass processor does everything and is solid state + uses two 12AX7 tubes. Purchased this piece of equipment for myself, but only used it a few times and it is just sitting. I have never rack mounted it and it works perfect and comes with the manuals and original box. Absolute mint. \$440 + shipping.

*All items are sold as is, and price does not include shipping. I would also like to have a mic similar to a Neumann, to do studio work.*

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**Gates/Harris Model FM-20G,** 20kW FM transmitter, 240V, 3-phase, good driver and final tubes. From the late 60's, but very clean and supplied with newer exciter. \$5,800

**Gates/Harris FM-10B,** 10kW FM transmitter with good tubes, harmonic filter, directional coupler. Older model completely refurbished with newer exciter. \$4,600

**QEI Model 695,** FM exciter, variable output, frequency-agile, modem design. \$1,600

**QEI Model 675,** FM exciter, 20 watts output, setup on your frequency. \$950

**Collins Model 310Z-2,** FM exciter, composite input, 20 watts output, crystal change to your frequency. \$600

**RCA/Dielectric Model BFC-3,** 3-bay high-power CP antenna on 106.1, with radomes and matching transformer. \$1,200

Also have a large selection of AM phasor and ATU components. Coils — fixed and variable, mica caps, vacuum capacitors — fixed and variable, toroidal transformers, RF contactors, J-Plugs, RF ammeters, and porcelain insulators.

## Consoles and Mixers

**Collins Model Audio Rock 10,** 10-fader stereo air console. \$1,400

**Ward Beck Model R1200,** 12-slide fader stereo air console. \$1,500

**Ramsa Model WR-8616,** 16-slide fader, 4-bus production console. \$1,200

**BE Spotmaster Model 5M100A,** 5-channel mono air console. \$400

**Shure Model M267,** 4-mic/line in, mono mixer. Mic/line level output. \$250

**Shure Model M258,** 4-mic/1-aux in mixer. Mic level output. \$130

**Shure SE30,** compressor mixer with 3 mic inputs. \$200

**Pacific Rec and Eng Model MM-8,** 8-track monitor line mixer. \$200

## Studio Gear

**Audiometrics CD-10,** broadcast CD player. \$500

**BE Series 2100,** mono cart players. Slimline style, primary and sec tones, (2) available at \$225 each.

**BE Model 3200RPS,** stereo cart recorder. Compact desktop machine, with 2 VU meters. \$400

**ITC Model RP,** stereo cart recorder. 3 tones, 2 available at \$350 each.

**CRL Model IPP-100,** Instant Personality Mic Processor. 18 programmable setups with variable compression, gating, parametric EQ, mic/line inputs, key lock security. \$600

Also have a large selection of studio accessories. On-air lights, turntable preamps, mic processing, digital delays, wireless mics, newer tip/ring/sleeve patchbays, audio and control cable.

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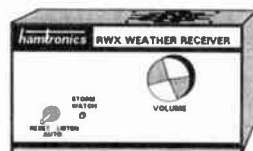
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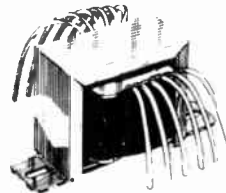
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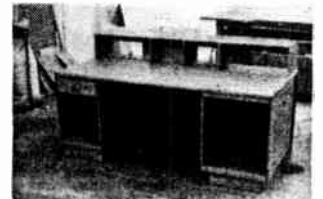
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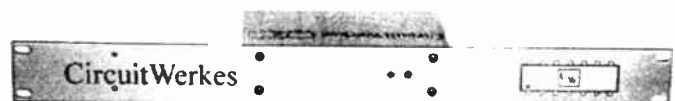
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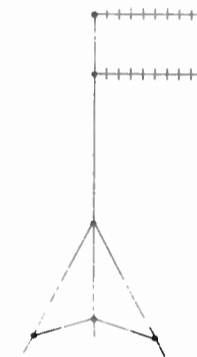
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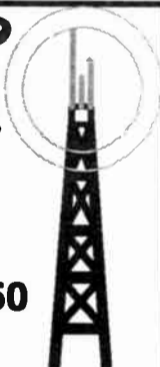
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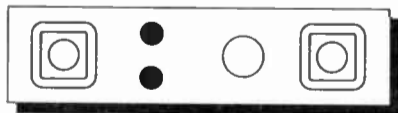
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 Harris Medalist 8, modular 8-channel linear fader dual stereo mixer. Rebuilt - \$1,895  
 Orban 422A, mono gated compressor limiter de-esser. Tested, Nice - \$295  
 Otari MX-5050BII, 1/2-track 7.5/15 IPS stereo reel to reel recorder. Rebuilt - \$895  
 Tascam DA-30 MKII, DAT recorders in like new excellent condition. Tested - \$595  
 Samson Concert TD, rack mount dual diversity wireless mic with new A-T lavalier mic. Tested, Nice - \$249  
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 Gentner 'People Link,' acoustic telephone interface EC/ES teleconference hybrid system. Tested - \$295  
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 Musicam CCS Micro 56, 7.5 kHz 56kb/s codec w/Adtran ISU 2 X 64 service unit. Tested - \$895  
 ATI 416, quad 1x4 mono or 2x8 stereo distribution amplifier. Rebuilt - \$259  
 Datatek, stereo audio & video distribution amp with 2) 507 audio DA cards and 1) D-603 video DA card. Rebuilt - \$295  
 Shure SCM 268, mini mono mic mixer with LED meter. Like new - \$249  
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 ITC RP Series, classic premium line cart machines. Rebuilt Mono R/P - \$395; Play - \$195  
 ITC Delta III 3D, stereo play cart machine. Tested - \$495  
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 HENRYSTEREOSWITCH3-input stereoswitcher. \$100  
 SHURE M67 Portable mic/line mixer. \$125  
 SHURE M68 Portable microphone mixer. \$75  
 SYMETRIX A-220 20-watt per channel stereo monitor amplifier. \$150  
 PEAVEY CS400 400W 2-channel power amplifier. \$250  
 PEAVEY CS800 800W 2-channel power amplifier. \$400  
 ALTEC 9440A 800W 2-channel power amplifier. \$450  
 ORBAN 418A Stereo limiter. \$300  
 UREI 530 9-band stereo graphic equalizer. \$100  
 INOVONICS 375 Record amplifier for Ampex. \$100  
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 BIRD DA75/U 500 watt dummy load, 50 ohm with "N" female connector. \$175  
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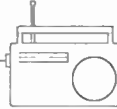
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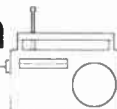
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### Symetrix Model 425

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CONDITION: Please call PRICE: Call for price.  
CONTACT: Tim Coffman PHONE: 858-571-5031  
Please call.

### CBS Model 410 FM Volumax

Audio limiter/ compressor. Fair cosmetics.  
CONDITION: Works PRICE: \$225  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### CBS Audimax III

Auto level controller. Good cosmetics.  
CONDITION: Works PRICE: \$225  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

Audio Processors — Continued on Next Page ⇨ ⇨

# FOR SALE

# Radio-Classifieds

Classified Ads Are Free!  
Fax them to: 507-280-9143



## Audio Processors

*Continued from previous page.*



### Stereo Equalizers

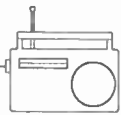
10-band audio equalizers. Rackmount.  
CONDITION: Very good. PRICE: \$99 each.  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### Orban Model 412A

Mono compressor/limiter.  
CONDITION: Good PRICE: \$185  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

## Cart Machines

*Cart Machines, Tape & Supplies*



### (10) Cart Racks

Wall-mount cart racks. Must pick up.  
CONDITION: Call PRICE: \$20 each.  
CONTACT: Carl Ford PHONE: 704-857-1101  
Ford Broadcasting, PO Box 8146, Kannapolis, NC 28083

### Dynamax Model CTR-10

Cart recorder/reproducer/eraser, with free carts and rack.  
CONDITION: Very good. PRICE: \$400  
CONTACT: Jenny Zhao PHONE: 703-760-8911  
WCBC Radio, 8150 Leesburg Pike #1107, Vienna, VA 22182

### 2) ITC Model 99A

Cart recorders with ELSA. Need repair.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Dynamax Model CTR-13

Record/play cart machine.  
CONDITION: Call PRICE: Call for price.  
CONTACT: WELD Radio PHONE: 304-538-6062  
HC 85 Box 1A, Fisher, WV 26818

### 4) Dynamax Model CTR-11

Playback cart machines.  
CONDITION: Call PRICE: Call for price.  
CONTACT: WELD Radio PHONE: 304-538-6062  
HC 85 Box 1A, Fisher, WV 26818

## Compact Disc

*CD's, DAT, Mini-Disc*



### 3) Sony Model MDS-JE520

Mini-disk recorders with rack mount kits. Never used.  
CONDITION: Mint! PRICE: \$250 ea., \$625 all.  
CONTACT: J.B. Williams PHONE: 301-739-1450  
Midnight Blue, 12824 Lauran Rd, Hagerstown, MD 21742

### Denon Model DN-950

CD player. Needs repair.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Audiometrics Model CD-10

CD player. Needs repair.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Denon Model DN-950FA

CD player. Needs repair.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Technics Model SLP-1200

Tabletop CD player.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Sony Model TCD-7

Portable DAT rec. + SBM-1 super-bit mapping adapter & mike.  
CONDITION: Call PRICE: \$550  
CONTACT: Richard Dewese PHONE: 419-748-8430  
WLMB-TV, PO Box 4, McClure, OH 43534

## Consoles

*Consoles and Mixers*



### LPB Model S-21B Signature II

10-channel mono console.  
CONDITION: Call PRICE: \$1,695  
CONTACT: Darrin Warner PHONE: 765-935-2443  
Big "D" Broadcast, 2225 Airport Rd, Centerville, IN 47330

### Autogram Model

10-channel rotary pot console.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Kenera Model 10/2

Console in wooden transit case.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Ramsa Model WR-133

8-channel audio mixer.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Peavy Model PA-700S

7-channel mixer with PA amplifier.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 2) Shure Model M-267

Audio mixers.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Broadcast Electronics Model

4-channel rotary pot console.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Tascam Model M-520

20-channel mixer.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Kelsey Pro 2/3 Series

8-channel audio mixer, in case.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Ampex Model 1599A

6-channel audio mixer unit.  
CONDITION: Excellent PRICE: \$295  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Ampex Model AM10-6x2

Audio mixer unit.  
CONDITION: Excellent PRICE: \$295  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Tascam Model M-320B

Mixer/console. 20-in, 4-out. Complete with manual.  
CONDITION: Immaculate PRICE: \$1,000 + shipping.  
CONTACT: Mike Peterson PHONE: 812-234-9770  
WSDM Radio, 1215 Wabash Ave, Terre Haute, IN 47807

### RCA Model

4-channel mic mixer. Early transistor model (Radio Liberty).  
CONDITION: Call PRICE: Make offer.  
CONTACT: Scott Gardner PHONE: 540-728-7935  
PO Box 387, Hillsville, VA 24343

### Tascam Model M-320B

Mixing audio console. Needs general cleaning.  
CONDITION: Good PRICE: \$750 or B.O.  
CONTACT: Stevan White PHONE: 806-351-8559  
KGNC Radio, 3505 Olsen Blvd #117, Amarillo, TX 79102

### Tapco/Peavy Model Remote Unit in Carrying Trunk

Tapco 6100R mixer, Peavy CS-800 PA, Peavy 1210AS 800H spkrs.  
CONDITION: Call PRICE: \$1,700 for all.  
CONTACT: Steve King Prod. PHONE: 336-764-4681  
203 Candy Lane, Lexington, NC 27295

### Biamp Model 1621

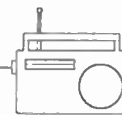
16x2x1, with mon, aux, efx, inserts, 4-band EQ, 2 returns.  
CONDITION: Very good. PRICE: \$385  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### Yamaha Model M-508

8x2, +2 aux, balanced I/O, phantom, 3-band equalizer.  
CONDITION: Very good. PRICE: \$285  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

## Digital Audio

*Digital Audio, Editors, Storage*

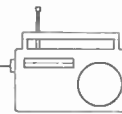


### Arrakis Digilink 3

With Gem 20 remote i/face & 9 GB HD. Monitor, keyboard.  
CONDITION: Excellent PRICE: \$4,000 or B.O.  
CONTACT: Tim Moriarty PHONE: 219-248-8915  
WJHS Radio, 600 N Whitley St, Columbia City, IN 46725

## FM Antennas

*FM Antennas, Filters, Combiners*



### Phelps Dodge Model

4-bay FM antenna, with heaters, tuned to 98-101 MHz.  
CONDITION: Good PRICE: \$2,000  
CONTACT: Alfred Fromm PHONE: 918-335-5093  
Jalcom Comm., PO Box 3334, Bartlesville, OK 74006

### Shively Model

4-bay FM antenna, with radomes, tuned to 99-100.5 MHz.  
CONDITION: Very good. PRICE: \$1,500  
CONTACT: Alfred Fromm PHONE: 918-335-5093  
Jalcom Comm., PO Box 3334, Bartlesville, OK 74006

### SWR Model

3-bay antenna, w/ radomes, on 103.1 MHz. W/ hardware.  
CONDITION: Good PRICE: \$2,500 + shipping.  
CONTACT: Ken Bryant PHONE: 304-536-1310  
Rt 60 W Harts Run, White Sulphur Springs, WV 24986

### ERI Model 1105-6A

6-bay, CP, end-fed antenna, tuned to 93.5 MHz. Do de-icer.  
CONDITION: Perfect PRICE: Make offer.  
CONTACT: Mike Fagan PHONE: 304-258-1010  
WDHC, 1010 Radio Station Rd, Berkeley Springs, WV 25411

### Phelps-Dodge FM Antenna

2-bay antenna, on 97.7 MHz. Can be re-tuned. With u-bolts.  
CONDITION: Excellent PRICE: Call for price.  
CONTACT: Vernon Uecker PHONE: 530-533-1340  
KWEW Radio, PO Box 1340, Oroville, CA 95966

### Cablewave FM Antenna

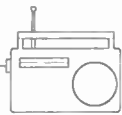
2-bay FM antenna, tuned to 101.7 MHz.  
CONDITION: Call PRICE: Best offer.  
CONTACT: WELD Radio PHONE: 304-538-6062  
HC 85 Box 1A, Fisher, WV 26818

### Cablewave FM Antenna

2-bay FM antenna, tuned to 101.7 MHz, with de-icers.  
CONDITION: Call PRICE: Best offer.  
CONTACT: WELD Radio PHONE: 304-538-6062  
HC 85 Box 1A, Fisher, WV 26818

## Generators

*Stereo, SCA, RBDS, Tone*



### CRL Modulation Signature

Stereo generator unit.  
CONDITION: Good PRICE: Call for price.  
CONTACT: Dean Pearce PHONE: 601-693-2381  
Broadcasters-Publishers, 4307 Hwy 39, Meridian, MS 39301

### Marcom Model 203

Stereo generator. Needs repair.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Excalibur Model CDA-12A

3-output composite DA.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

# FOR SALE

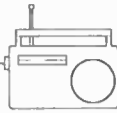
# Radio-Classifieds

Classified Ads Are Free!  
Fax them to: 507-280-9143



## Mics & Speakers

*Mics, Speakers, Headphones*



### Electro-Voice Model 654

Microphone.  
CONDITION: Excellent PRICE: \$85  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### JBL and Altec Models

Speaker drivers.  
CONDITION: Excellent PRICE: Call for prices.  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Electro-Voice Model 636

Microphone.  
CONDITION: Excellent PRICE: \$65  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Telex Model WT-200

Wireless mic and transmitter.  
CONDITION: Excellent PRICE: \$125  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Telex Model WT-50

Wireless mic and transmitter.  
CONDITION: Excellent PRICE: \$125  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Electro-Voice Model 666

Microphone.  
CONDITION: Call PRICE: \$175  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Shure Model 330

Ribbon microphone.  
CONDITION: Please call PRICE: Call for price.  
CONTACT: Tim Coffman PHONE: 858-571-5031  
Please call.

### Shure Model 56-S

Microphone  
CONDITION: Please call PRICE: Call for price.  
CONTACT: Tim Coffman PHONE: 858-571-5031  
Please call.

### 2) Electro-Voice Model DO-56

Handheld shock-mounted version of 635.  
CONDITION: Call PRICE: \$40  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### Electro-Voice Model DO-56

Omn-directional microphone.  
CONDITION: Call PRICE: \$39  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### 2) Electro-Voice Model 644

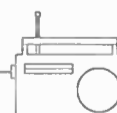
"Sound Spot" dynamic shotgun microphones.  
CONDITION: Good PRICE: \$89  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### Electro-Voice Model 644

Dynamic shotgun microphone.  
CONDITION: Good PRICE: \$85  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

## Misc. Equipment

*Miscellaneous Gear and Parts*



### Service Literature for MW Technicians

3,000 folders, 1983-1988. Tube guitar amps, amps, TV's, etc.  
CONDITION: Mostly un-used. PRICE: \$300  
CONTACT: James Cunningham PHONE: 580-265-4496  
KEOR Radio, Route 2 Box 113B, Stonewall, OK 74871

### Kroy Model

Lettering machine with extra font wheels.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### UTC Series

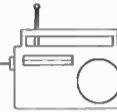
Ouncer transformers.  
CONDITION: Call PRICE: \$25  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### McLean Model Blower

Squirrel-cage blower, 4 RU, with filter.  
CONDITION: Very good. PRICE: \$75  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

## Monitors & Rcvrs

*Mod & Antenna Monitors, EAS*



### Assorted Receivers

Assorted hi-fi receivers, amps, cassette decks.  
CONDITION: Call for list. PRICE: Cheap  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### Johnson Model ST4A

Crystal type SCA receiver.  
CONDITION: Very good. PRICE: \$50  
CONTACT: Dave Jackway PHONE: 800-944-0630  
SCS Radio Technology, 5742 Fairoak, Springfield, MO 65810

### SCA Radios

Analog type SCA radio receivers.  
CONDITION: New PRICE: \$40 and up.  
CONTACT: Dave Jackway PHONE: 800-944-0630  
SCS Radio Technology, 5742 Fairoak, Springfield, MO 65810

### TFT Model EAS-940A Relay

Audio relay for model 911 EAS.  
CONDITION: Good PRICE: Call for price.  
CONTACT: Dean Pearce PHONE: 601-693-2381  
Broadcasters-Publishers, 4307 Hwy 39, Meridian, MS 39301

### TFT Model EAS-911 Endec

EAS encoder/decoder unit.  
CONDITION: Good PRICE: Call for price.  
CONTACT: Dean Pearce PHONE: 601-693-2381  
Broadcasters-Publishers, 4307 Hwy 39, Meridian, MS 39301

### Belar Model

Stereo monitor with manual.  
CONDITION: Excellent PRICE: \$150  
CONTACT: Greg Blanchard PHONE: 541-501-9168  
bionet@uswest.net

### Belar Model

Stereo modulation monitor with manual.  
CONDITION: Excellent PRICE: \$150  
CONTACT: Greg Blanchard PHONE: 541-501-9168  
bionet@uswest.net

### 60) Dynamic Sounds Model MT-808

FM/SCA receivers, 2-band AC/DC radios.  
CONDITION: New PRICE: \$15 each.  
CONTACT: Jenny Zhao PHONE: 703-760-8911  
WCBC Radio, 8150 Leesburg Pike #1107, Vienna, VA 22182

### TFT Model 760

EBS generator/receiver.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### TFT Model 886

EBS generator/receiver.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### TFT Model 730

SCA monitor.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Belar Model FMS-1

FM stereo monitor.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 2) Johnson Model ST4A

SCA receivers.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Belar Model FMM-1

FM modulation monitor.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Potomac Instruments Model AM-19D

Three-tower, DA-2 antenna monitor.  
CONDITION: Good PRICE: \$1,000  
CONTACT: Kevin McNamara PHONE: 301-865-1011  
PO Box 926, New Market, MD 21774

### Belar Model

AM RF amplifier. Currently on 1290 kHz. Easy to re-tune.  
CONDITION: Call PRICE: \$300  
CONTACT: Scott Gardner PHONE: 540-728-7935  
PO Box 387, Hillsville, VA 24343

### Assorted Receivers

Assorted hi-fi receivers, amps, cassette decks.  
CONDITION: Call for list. PRICE: Cheap  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

## Reel & Cassette

*Reel-to-Reel and Cassette Decks*



### Marantz Model PMD-520

Cassette deck.  
CONDITION: New PRICE: \$450  
CONTACT: Carl Ford PHONE: 704-857-1101  
Ford Broadcasting, PO Box 8146, Kannapolis, NC 28083

### Ampex Model AG-350

7.5/15 IPS Full-track reel transport only.  
CONDITION: Works well. PRICE: \$50 + UPS  
CONTACT: Edward Lightman PHONE: Please write  
WEDL Radio, 550 Merchant St, Ambridge, PA 15003

### Tascam Model NO-32

Reel to reel recorder, with free tapes.  
CONDITION: Almost new. PRICE: \$1,500  
CONTACT: Jenny Zhao PHONE: 703-760-8911  
WCBC Radio, 8150 Leesburg Pike #1107, Vienna, VA 22182

### Otari Model MX-5050

8-track recorder with new reels.  
CONDITION: Excellent PRICE: Negotiable  
CONTACT: Jeremy Lane PHONE: 318-381-1041  
1109 Hudson Ln, Monroe, LA 71201

### Otari Model MX-5050B2HD

Reel machine.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Otari Model MX-5050BII

Reel machine with stand. Heavy use.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Tascam Model 42B

2-channel reel recorder with stand and AQ65 auto-locator.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Sony Model PCM-800

8-track digital audio recorder.  
CONDITION: Like new. PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Tascam Model 44

4-channel reel recorder with rack mount.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Tascam Model 112MKII

Cassette deck, with rack mount.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Otari Model MX-5050BII

Reel machine.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

Reel & Cassette — Continued on Next Page ⇨ ⇩

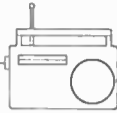
# FOR SALE

# Radio-Classifieds

Classified Ads Are Free!  
Fax them to: 507-280-9143



## Reel & Cassette



Continued from previous page.

### Otari Model MX-5050B2HD

Reel machine. Needs repair.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Otari Model MX-5050MKIII

8-track, 1/2-inch recorder with stand.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Ampex Models

Pre-amps and transformers.  
CONDITION: Call PRICE: \$40  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Ampex Series Heads

Set of new heads. 8-track, 1-inch.  
CONDITION: Excellent PRICE: \$750  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Otari Model CB-111

Auto-locator unit.  
CONDITION: Excellent PRICE: \$250  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Ampex Series Heads

Set of new heads. 16-track, 2-inch.  
CONDITION: Excellent PRICE: \$350 each.  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Ampex Model 351

Reel to reel transports.  
CONDITION: Call PRICE: Best offers.  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Ampex Model 440C

Reel to reel, in console.  
CONDITION: Call PRICE: \$995  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Ampex Model 354-2

Stereo tube recorder in console.  
CONDITION: Excellent PRICE: \$695  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### MCI Model JH-110B

Stereo reel to reel, in console.  
CONDITION: Excellent PRICE: \$750  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Ampex Model 440

Stereo reel to reel, in console, with Ampex 6-channel mixer.  
CONDITION: Call PRICE: \$750  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### MCI Series

Stereo electronics set B-C.  
CONDITION: Excellent PRICE: \$150  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Ampex Model

Servo motor amplifier.  
CONDITION: Call PRICE: \$300  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### (100+) Ampex Type 456 Grand Mastering Tape

1/4-inch on metal reels with boxes. Used one time, one pass.  
CONDITION: Used once. PRICE: \$9.99 each.  
CONTACT: Kris Stevens Ent. PHONE: 818-225-7585  
5010 N Pkwy Calabasas Ste 202, Calabasas, CA 91302

### Otari Model MX-70

8-channel, 1-inch reel recorder. Must pick up.  
CONDITION: Very good. PRICE: \$3,000 or B.O.  
CONTACT: Richard Dewese PHONE: 419-748-8430  
WLMB-TV, PO Box 4, McClure, OH 43534

### Ampex Model 440B

8-track, 1" recorder in plug/play condition. 89% headlife.  
CONDITION: Very good. PRICE: \$1,375  
CONTACT: Rumble Culture Rec. PHONE: 323-871-1750  
PO Box 67691, Century City, CA 90067

### Akai Model X-1722W

1/4-track, 3.75/7.5 IPS, mic/phono in, int. spk, st/mon head  
CONDITION: Very good. PRICE: \$95  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### Roberts Model 450

7", 3-head, 1.85/3.75/7.5 IPS, Crossfield heads, mic/line.  
CONDITION: Very good. PRICE: \$89  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### Sony Model 250

1/4-track, 3.75/7.5 IPS, 7", mic/line, compact, wood case.  
CONDITION: Very good. PRICE: \$69  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### Akai Model X-150D

1/4-track, 3.75/7.5 IPS, Crossfield heads, no record.  
CONDITION: As is. PRICE: \$25  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### Teac Model A-6100

10-inch, 7.5/15 IPS, 2-track mastering deck, 1/4-track PB.  
CONDITION: Fair cosmetics. PRICE: \$250  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### Scully Model 280

7.5/15 IPS, 1/4-inch, 2-track stereo, Ruslang console.  
CONDITION: Call PRICE: \$595 (can ship)  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### Teac Model 3300SX

10-inch, 7.5 IPS, 1/4-track stereo, fair cosmetics.  
CONDITION: Works well. PRICE: \$250  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### Heathkit Model

Mono tube reel with separate TE-1 electronics, mic/line.  
CONDITION: Call PRICE: \$95  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

## Remote Control



Remote Control, Telemetry, Status

### Burk Model IP-8

Interface panel.  
CONDITION: New PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Moseley Model MRC-1

Remote terminal.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Burk Model ARC-16

Studio unit.  
CONDITION: New PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 2) Burk Model IP-8

Interface panels.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Burk Model ARC-16

16-channel control unit.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Moseley Model MRC-1

Studio control terminal.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Burk Model ARC-16

Transmitter control. 16-channel w/phone & voice synth.  
CONDITION: Almost new. PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 2) Burk Model TC-8

Remote controls.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Gentner Model VRC-2000

Remote control, complete w/ battery backup, 2 relay panels.  
CONDITION: Call PRICE: \$1,500 or B.O.  
CONTACT: Tom Holmes PHONE: 217-223-5292  
KRRY Radio, Quincy IL

## RPU & STL



RPU, STL, TSL, 2-Way Radio

### Mark Model 9A72GN

STL dish, 940-950 MHz.  
CONDITION: Like new. PRICE: \$750  
CONTACT: Alfred Fromm PHONE: 918-335-5093  
Jalcom Comm., PO Box 3334, Bartlesville, OK 74006

### Marti Model RPT-2

2 watt UHF transmitter.  
CONDITION: Like new. PRICE: \$500 or B.O.  
CONTACT: Craig Jerome PHONE: 561-564-4754  
WPAW Radio, PO Box 650215, Vero Beach, FL 32915

### Moseley Model TMR-1

Telemetry receiver.  
CONDITION: Call PRICE: \$50  
CONTACT: Darrin Warner PHONE: 765-935-2443  
Big "D" Broadcast, 2225 Airport Rd, Centerville, IN 47330

### Bearcat Model 800-XLT

VHF-UHF-800 MHz scanner.  
CONDITION: Call PRICE: \$40 + UPS  
CONTACT: Edward Lightman PHONE: Please write  
WEDL Radio, 550 Merchant St, Ambridge, PA 15003

### Marti Model SCR-8H

Subcarrier receiver.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 2) Comrex Model CTA

IFB transmitters.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 2) Marti Model R-10

STL receivers.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 3) Marti Model HRC-8A

RF combiners for 950 MHz STL  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### TFT Model 8610A

STL receiver.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Moseley SCD-8

Subcarrier receiver.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Motorola Model T34RTA3000BA

Micor 2-way mobile unit.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 2) Moseley Model PCL-606/C

Composite STL transmitters.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

RPU and STL — Continued on Next Page



# FOR SALE

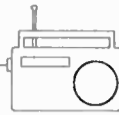
# Radio-Classifieds

Classified Ads Are Free!  
Fax them to: 507-280-9143



## RPU & STL

*Continued from previous page.*



### 2) Moseley Model PCL-606/C

Composite STL receivers.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 3) dB Products Model 4096

950 MHz duplexers (sold by Marti)  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 2) Motorola Model MX-330

Handles 2-way units.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 2) Motorola Converta-Coms

Mobile mount/power supply for handhelds.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 2) Marti Model STL-10

STL transmitters.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Moseley Model TRC-1

Telemetry return receiver.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### TFT Model DMM-9200

Digital encoder/decoder for STL.  
CONDITION: Call PRICE: \$2,500 + shipping.  
CONTACT: Mike Peterson PHONE: 812-234-9770  
WSDM Radio, 1215 Wabash Ave, Terre Haute, IN 47807

### Vocom Model

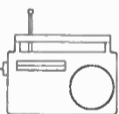
35 watt linear amplifier for 950 MHz band. Used one month.  
CONDITION: Like new. PRICE: \$600 or B.O. + shipping.  
CONTACT: Mike Peterson PHONE: 812-234-9770  
WSDM Radio, 1215 Wabash Ave, Terre Haute, IN 47807

### Wilburt Hurry-Up Mast

Goes to 25-feet, complete with base & antenna mount.  
CONDITION: Call PRICE: \$800 or B.O.  
CONTACT: Tom Holmes PHONE: 573-221-3450  
KHMO Radio, Hannibal, MO

## Satellite Equip.

*Dishes, Receivers, Demods, Etc.*



### Scientific Atlanta Model 7300 Receiver

With Sedat, 7.5 dual audio, voice/cue, 15/19/32 xtals.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Dennis Royer Sr. PHONE: 804-292-4146  
WKLTV Radio, PO Box 300, Blackstone, VA 23824

### Harris Model 6550

Satellite receiver.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Microdyne Model 1100-PCDR(s)

SCPC satellite receiver.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Sedat Card for S/A 7300 Receiver

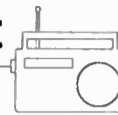
20kHz DAT decoder card for BPSK wideband receiver.  
CONDITION: Excellent PRICE: \$1,000 or B.O.  
CONTACT: Robert Fink PHONE: 530-283-1370  
Carousel Broadcasting, 395 Main St, Quincy, CA 95971

### Scientific Atlanta Model 7300

Wideband BPSK receiver. Includes 7.5 and 15 kHz decoders.  
CONDITION: Great PRICE: \$2,000 or B.O.  
CONTACT: Robert Fink PHONE: 530-283-1370  
Carousel Broadcasting, 395 Main St, Quincy, CA 95971

## Studio Equipment

*Clocks, Racks, Furniture, Etc.*



### (10) Cart Racks

Wall-mount cart racks. Must pick up.  
CONDITION: Call PRICE: \$20 each.  
CONTACT: Carl Ford PHONE: 704-857-1101  
Ford Broadcasting, PO Box 8146, Kannapolis, NC 28083

### 2) ADC Icon

Wall-mounted termination blocks.  
CONDITION: New PRICE: \$80 for both.  
CONTACT: Kevin McNamara PHONE: 301-865-1011  
PO Box 926, New Market, MD 21774

### ADC Pro-Patch

2x24 audio patch panel. 1-3/4" rack, normals brought out.  
CONDITION: Good PRICE: \$450  
CONTACT: Kevin McNamara PHONE: 301-865-1011  
PO Box 926, New Market, MD 21774

### ADC Patchbay

52 point long-frame single space patch bay.  
CONDITION: Call PRICE: \$75  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

### ADC Patchbay

48 point long-frame Pro-Patch with normals brought out.  
CONDITION: Call PRICE: \$250  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

## Telephone Audio

*Hybrids, Cell, Talkshow, ISDN*



### (2) Gentner Model EFT-100

Frequency extenders with (3) hybrid couplers, (1) teleproc.  
CONDITION: Excellent PRICE: Make offer.  
CONTACT: C. Damon PHONE: 602-705-5779  
KZZA Radio, 5501 E Empire Ave, Flagstaff, AZ 86004

### Comrex Model DXR.1

Telco transmission unit.  
CONDITION: Call PRICE: \$695  
CONTACT: Darrin Warner PHONE: 765-935-2443  
Big "D" Broadcast, 2225 Airport Rd, Centerville, IN 47330

### Henry Mix-Minus Plus

Audi mix-minus unit.  
CONDITION: Call PRICE: \$95  
CONTACT: Darrin Warner PHONE: 765-935-2443  
Big "D" Broadcast, 2225 Airport Rd, Centerville, IN 47330

### 3) Telos "Echo"

Digital voice storage/retrieval system.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Gentner Telecoupler

Telephone interface unit.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Gentner Teleswitch

Telephone interface console.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 2) Telos Model

Auxiliary console power supplies.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Gentner Model

Teleprocessor unit.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Telos Model 10

Telephone system console. 1 button top missing.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 2) Telos Model 10

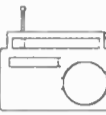
Telephone system main unit.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### 4) Model 111C

Repeat coils.  
CONDITION: Call PRICE: \$55  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Svcs., 625 Devon Ave, Moorestown, NJ 08057

## Test Equipment

*Tools, Bench, Field, Wattmeters*



### Crown Model RTA-2

Real-time audio analyzer.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Gates Model M-3625

Gain test set.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### HP Model 5306

Multimeter unit.  
CONDITION: Call PRICE: Best offer.  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Eico Model 150

Solid state signal tracer.  
CONDITION: Call PRICE: \$100  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### BK Precision Dyna-Jet

Tube tester.  
CONDITION: Call PRICE: \$195  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Tektronix Model DM-502A

Multimeter.  
CONDITION: Call PRICE: \$150  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Tektronix Model DM-501A

Multimeter.  
CONDITION: Call PRICE: \$150  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### HP Model 5308A

Frequency counter.  
CONDITION: Call PRICE: Best offer.  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### HP Model 353A

100 dB attenuator.  
CONDITION: Call PRICE: \$65  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Bird Model 3126 RF Wattcher

With 3-1/8" un-flanged line section, 3W & 30kW elements.  
CONDITION: Good PRICE: \$500  
CONTACT: Kevin McNamara PHONE: 301-865-1011  
PO Box 926, New Market, MD 21774

### Delta Model TCA-20EX

RF ammeter, TCT-1 torroid and 50-foot cable.  
CONDITION: Good PRICE: \$500  
CONTACT: Kevin McNamara PHONE: 301-865-1011  
PO Box 926, New Market, MD 21774

### Potomac Instruments Model FIM-41

AM field strength meter, w/ wood case & book. 535-5000 kHz.  
CONDITION: Excellent PRICE: \$2,400  
CONTACT: W.H. Bradley P.E. PHONE: 918-245-5603  
300 W 41 St, Sand Springs, OK 74063

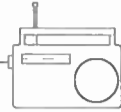
### Potomac Instruments Model FIM-71

FM field strength meter, with wood carrying case & manual.  
CONDITION: Excellent PRICE: \$2,500  
CONTACT: W.H. Bradley P.E. PHONE: 918-245-5603  
300 W 41 St, Sand Springs, OK 74063



## Towers & Coax

Towers, Transmission Line, Etc.



### Triangle Paint Goldstone #6

1 un-opened gallon of HD high-reflectance M/W ant coating.  
CONDITION: Un-opened PRICE: \$50 or B.O.  
CONTACT: James Steele PHONE: 912-729-6000  
WKBK Radio, PO Box 2525, Kingsland, GA 31548

### Shively Model

FM iso-coupler.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Joe Davis PHONE: 806-259-3511  
KLSR Radio, PO Box 400, Memphis, TX 79245

### Andrew and Cablewave Types

1/2" thru 3" air and foam surplus cable. Up to 1000' runs.  
CONDITION: Un-used. PRICE: Call for prices.  
CONTACT: John White PHONE: 757-546-7007  
Material Spec., PO Box 65054, Virginia Beach, VA 23467

### Andrew Type HJ-50A

1-5/8", air dielectric, factory sealed cable.  
CONDITION: New sealed. PRICE: \$9.95 per foot.  
CONTACT: John White PHONE: 757-546-7007  
Material Spec., PO Box 65054, Virginia Beach, VA 23467

### Andrew Coaxial Cable

180-feet of 7/8" air dielectric coaxial cable.  
CONDITION: Used PRICE: \$2.00/ft. + shipping.  
CONTACT: Ken Bryan PHONE: 304-536-1310  
Rt 60 W Harts Run, White Sulphur Springs, WV 24986

### Rohn Model

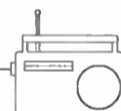
120-foot, 12-inch face tower with guys and turnbuckles.  
CONDITION: Good PRICE: \$400  
CONTACT: Robert Rega PHONE: 814-939-7303  
RD 6 Box 79, Punxsutawny, PA 15767

### Rohn Model SSV

340-foot, 3-legged self-supporting tower. With drawings.  
CONDITION: Excellent PRICE: Make offer.  
CONTACT: Salem Antenna PHONE: 610-260-9881  
Please call.

## Transmitters

AM, FM, Exciters, RF Amps, Etc.



### TTC Model XL-1

Dual output translator, with manuals. Low hours.  
CONDITION: Excellent PRICE: \$1,850  
CONTACT: C. Damon PHONE: 602-705-5779  
KZZA Radio, 5501 E Empire Ave, Flagstaff, AZ 86004

### QEI Model FMQ-3500

3500 watt FM transmitter with exciter. Presently on the air.  
CONDITION: Good PRICE: Call for price.  
CONTACT: Cris PHONE: 816-628-5959  
Please call.

### Continental Model 802B

Frequency-agile FM exciter.  
CONDITION: Call PRICE: \$3,400  
CONTACT: Darrin Warner PHONE: 765-935-2443  
Big "D" Broadcast, 2225 Airport Rd, Centerville, IN 47330

### RCA Model BTE-115

10 watt, frequency adjustable exciter, with manual.  
CONDITION: Excellent PRICE: \$1,200 or B.O.  
CONTACT: Greg Blanchard PHONE: 541-501-9168  
bionet@uswest.net

### Collins Model 20V-3

1kW transmitter. On air now, ready to haul. Some spares.  
CONDITION: Good PRICE: Call for price.  
CONTACT: Jack Scott PHONE: 518-725-7175  
WENT Radio, Harrison St Ext, Gloversville, NY 12078

### Harris Model MW-50

50kW AM transmitter w/ 4 spare finals, manuals, new stack.  
CONDITION: Very good. PRICE: \$20,000  
CONTACT: Jay Whitehurst PHONE: 504-362-9800  
WLNO Radio, 401 Whitney Ave #160, Gretna, LA 70056

### Collins Model 20F

1kW AM transmitter, tuned to 1570 kHz. Working condition.  
CONDITION: Call PRICE: Free of charge.  
CONTACT: Jerry PHONE: 708-331-7840  
Please call.

### RCA Model BTA-1MX

1kW AM transmitter. Good for parts.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jerry PHONE: 708-331-7840  
Please call.

### McMartin Model BFM-8000

FM exciter.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Continental Model 802A

FM exciter.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### RCA Model BTF-20E1

20 kW FM transmitter, with spare transmitter parts.  
CONDITION: Great PRICE: Call for price.  
CONTACT: Joe Davis PHONE: 806-259-3511  
KLSR Radio, PO Box 400, Memphis, TX 79245

### Collins Model 830F

10kW FM transmitter. Parts available.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Joe Davis PHONE: 806-259-3511  
KLSR Radio, PO Box 400, Memphis, TX 79245

### Energy-Onix Legend 1000

1000 watt solid state FM transmitter, tuned to 91.1 MHz.  
CONDITION: Very good (1992) PRICE: \$6,000  
CONTACT: John Wilsbach PHONE: 717-948-9136  
WMSS Radio, 214 Race St, Middletown, PA 17057

### CCA FM Transmitter

100 Watt transmitter. No exciter, needs IPP.  
CONDITION: Call PRICE: \$3,750 or B.O.  
CONTACT: Joseph Bahr PHONE: 787-728-0364  
Islands FM, PO Box 6556, San Juan, PR 00914

### Harris FM Transmitter

2.5 kW, good for parts or rebuild. No exciter or plate xfmr.  
CONDITION: Call PRICE: \$2,000 or B.O.  
CONTACT: Joseph Bahr PHONE: 787-728-0364  
Islands FM, PO Box 6556, San Juan, PR 00914

### Bext Model

25 watt, frequency-agile exciter. 5 years old.  
CONDITION: Call PRICE: \$1,000 + shipping.  
CONTACT: Ken Bryan PHONE: 304-536-1310  
Rt 60 W Harts Run, White Sulphur Springs, WV 24986

### Sintronic Model

3500W FM stereo transmitter. Rebuilt, w/new rebuilt tubes.  
CONDITION: Excellent PRICE: \$5,000 + shipping.  
CONTACT: Ken Bryant PHONE: 304-536-1310  
Rt 60 W Harts Run, White Sulphur Springs, WV 24986

### AM Transmitter

0.1 watt, FCC approved. 1+ mile range.  
CONDITION: New PRICE: \$698  
CONTACT: Mark PHONE: 800-444-8255  
RS@TalkingHouse.com

### Continental Model 317C3

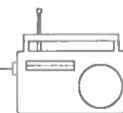
50kW AM transmitter on 670. Well maintained, some spares.  
CONDITION: Works great. PRICE: \$35,000 or B.O.  
CONTACT: Mel Lang PHONE: 954-781-0699  
langcom@concentric.net

### FM Stereo Transmitter System

QE1 20W amp, Ramsey limiter, FM-25 Ramsey transmitter.  
CONDITION: New PRICE: \$500  
CONTACT: Robert Rega PHONE: 814-939-7303  
RD 6 Box 79, Punxsutawny, PA 15767

## Turntables

Turntables and Preamps



### Russco Model

Studio turntables. Must pick up.  
CONDITION: Call PRICE: \$50 each.  
CONTACT: Carl Ford PHONE: 704-857-1101  
Ford Broadcasting, PO Box 8146, Kannapolis, NC 28083

### Russco Model B

2-speed turntable with no arm.  
CONDITION: Call PRICE: \$100  
CONTACT: Darrin Warner PHONE: 765-935-2443  
Big "D" Broadcast, 2225 Airport Rd, Centerville, IN 47330

### Russco Model B

2-speed turntable with arm.  
CONDITION: Call PRICE: \$195  
CONTACT: Darrin Warner PHONE: 765-935-2443  
Big "D" Broadcast, 2225 Airport Rd, Centerville, IN 47330

### Sony Model

Turntable with base.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

### Lynn Axis Model

Turntable with base.  
CONDITION: Call PRICE: Call for price.  
CONTACT: Jim PHONE: 419-782-8591  
Please call.

## Tubes & HV

Tubes, HV Caps, Rectifiers, Xfms



### Type 6166/7007

Broadcast power tube.  
CONDITION: New rebuild. PRICE: \$2,500  
CONTACT: Dean Bass PHONE: 616-795-9020  
6140 Bamum Rd, Middleville, MI 49333

### Rectifier Tubes

(7) 872A tubes/(2) 810 tubes.  
CONDITION: Used, good. PRICE: \$35/\$10 for all.  
CONTACT: Dean Bass PHONE: 616-795-9020  
6140 Bamum Rd, Middleville, MI 49333

### 4CX5000A Type

Broadcast power tube.  
CONDITION: New PRICE: \$500  
CONTACT: Dean Bass PHONE: 616-795-9020  
6140 Bamum Rd, Middleville, MI 49333

### RCA, GE, Sylvania, Others

Many types, good, tested, and in boxes.  
CONDITION: Good & tested. PRICE: Priced low.  
CONTACT: James Cunningham PHONE: 580-265-4496  
KEOR Radio, Route 2 Box 113B, Stonewall, OK 74871

### 5000 Tubes for Sale

Some Western Electric on org. boxes. Octal, octal, acorn.  
CONDITION: Good PRICE: Call for prices.  
CONTACT: James Cunningham PHONE: 580-265-4496  
KEOR Radio, Route 2 Box 113B, Stonewall, OK 74871

### Varian Klystron Types

VA-221C, VA-220C, VA-222C, VA-259B (used) & VA-269B (new).  
CONDITION: Call PRICE: \$100 or B.O.  
CONTACT: James Cunningham PHONE: 580-265-4496  
KEOR Radio, Route 2 Box 113B, Stonewall, OK 74871

### Nuvistor Tubes

Assorted varieties.  
CONDITION: Call PRICE: \$25  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

**Fax - Email - Web**  
**Send Us Your Classifieds**  
**May Issue Deadline, 04-25-00**

Fax: (507) 280-9143

E-Mail: [radio@broadcast.net](mailto:radio@broadcast.net)

Website Classified Ad Form:  
[www.radioshopper.com/adform.html](http://www.radioshopper.com/adform.html)

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This is your one-stop source for  
all radio-oriented web-links.

# WANTED

# Radio-Classifieds

If You Need Something — Place Your Ad on This Page

Classified Ads Are Free!  
Fax them to: 507-280-9143



### Type 6697 Transmitting Tube

Looking for this transmitting tube, in good condition.  
CONTACT: Alan Weiner PHONE: 207-985-7547  
WBCQ Radio, 97 High St, Kennebunk, ME 04043

### Gentner Microtel

Need this telephone interface unit, in working condition.  
CONTACT: Bill Schuler PHONE: 573-221-3450  
KHMO Radio, 119 N 3rd St, Hannibal, MO 63401

### Gates Stereo Yard Console

Need this console. Need good cosmetics, need not work.  
CONTACT: Bill Tash PHONE: 727-547-4940  
Contact by fax only.

### Auditronics Model 310

Looking for this console, or channels and parts.  
CONTACT: Chuck Bear PHONE: 813-879-9769  
Bear Tracks Audio, 314 N Clearview Ave, Tampa, FL 33609

### Shure Model M-267

Looking for this microphone mixer, in excellent condition.  
CONTACT: David Easley PHONE: 901-427-3346  
AMFM Inc, 122 Radio Rd, Jackson, TN 38301

### AM Transmitters

Need unit to 1kW. Will remove within 250 mi. of Phoenix, AZ.  
CONTACT: George Portell Jr. PHONE: 480-986-5797  
Communications Consultants, 3212 N 83rd St, Mesa, AZ 85207

### Rhode and Schwarz Model EK-07

Looking for this communications receiver.  
CONTACT: Harry Weber PHONE: 708-499-1882  
4805 West 107th St, Oak Lawn, IL 60453

### JBL Model 4320 Speaker

Looking for these studio monitors in good condition.  
CONTACT: J.B. Williams PHONE: 301-739-1450  
Midnight Blue Studios, 12824 Laurant Rd, Hagerstown, MD 21742

### Collins Radio Catalogs

Looking for literature, catalogs, and manuals of any kind.  
CONTACT: Jim Stizinger PHONE: 661-259-2011  
23800 Via Irama, Valencia, CA 91355

### Storey System Chip Burner

Need chip burner for EPROM 2516-2716, also MCI proc board.  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Chip Burner Manual

Need manual for Storey System chip burner.  
CONTACT: John Price PHONE: 214-321-6576  
Price Recording, 2651 Globe Ave, Dallas, TX 75228

### Rohn 65G Tower

Looking for 180-foot guyed tower.  
CONTACT: Jose Papo Fernandez PHONE: Please mail.  
J.A. Fernandez, PO Box 3047, Bayamon, PR 00960

### STL Dishes

Looking for (2) 8-foot STL dishes on 950 MHz.  
CONTACT: Joseph Bahr PHONE: 787-728-0364  
Islands FM, PO Box 6556, San Juan, PR 00914

### Rohn 65G or 55G Tower

Looking for 180-foot tower.  
CONTACT: Joseph Bahr PHONE: 787-728-0364  
Islands FM, PO Box 6556, San Juan, PR 00914

### FM Antenna

Need 10-bay FM, medium power antenna. 9-10kW, 106.1 MHz.  
CONTACT: Joseph Bahr PHONE: 787-728-0364  
Islands FM, PO Box 6556, San Juan, PR 00914

### RCA Model BTA-1M Circuit Breakers

Tx circuit breakers for LP, MOD, PLATE & FILAMENT circuits.  
CONTACT: Keith PHONE: 541-672-4427  
Please call.

### RCA Model BK-5B Mike Windscreen

Looking for ball windscreens and special boom mount.  
CONTACT: Kevin Gersham PHONE: 818-769-3054  
Another Dimension, 4431 Ledge Ave, Toluca Lake, CA 91602

### CBS Volumax Model 4100/4110 or 410/411

Looking for mono/stereo models, complete or in parts.  
CONTACT: Kevin Smith PHONE: 518-884-0505  
PO Box 277, Burnt Hills, NY 12027

### LPB or Radio Systems Low Power Transmitters

Looking for solid state AM, 5-30 watts.  
CONTACT: Kevin Smith PHONE: 518-884-0505  
PO Box 277, Burnt Hills, NY 12027

### Record Collections

Looking for 50's 45 RPM Rockabilly, DO-Wop, and Country.  
CONTACT: Kim Gutzke PHONE: 612-869-4963  
7134 15th Ave S., Minneapolis, MN 55423

### Limiters and Processors

Looking for audio limiters and processors.  
CONTACT: Kim Gutzke PHONE: 612-869-4963  
7134 15th Ave S., Minneapolis, MN 55423

### Turntables and Arms

Looking for turntables and tone arms.  
CONTACT: Kim Gutzke PHONE: 612-869-4963  
7134 15th Ave S., Minneapolis, MN 55423

### Record Cutting Equipment

Need equipment, literature, styli, and recording blanks.  
CONTACT: Kim Gutzke PHONE: 612-869-4963  
7134 15th Ave S., Minneapolis, MN 55423

### GE, RCA, Sylvania Tubes

EL84, EL34, 6V6, 6L6, 5881 & 6550 pwr tubes. 9-pins also.  
CONTACT: Mark Schakow PHONE: 605-374-3424  
Mark Schakow Recording, 307 4th Ave E, Lemmon, SD 57638

### Gates Sta-Level Limiter

Looking for one or two units of this type.  
CONTACT: Mark Schakow PHONE: 605-374-3424  
Mark Schakow Recording, 307 4th Ave E, Lemmon, SD 57638

### Wilkinson Model LA1B

Looking for this limiter to make stereo pair.  
CONTACT: Mark Schakow PHONE: 605-374-3424  
Mark Schakow Recording, 307 4th Ave E, Lemmon, SD 57638

### Gregg Labs

Looking for this grey, multiband limiter. (Lots of meters.)  
CONTACT: Paul Wende PHONE: 604-205-7628  
1395 Boundary Rd, Vancouver, BC V5K4T9

### Orban Model 9000

Looking for this Optimod, in any condition, working or not.  
CONTACT: Paul Wende PHONE: 604-205-7628  
1395 Boundary Rd, Vancouver, BC V5K4T9

### Broadcast Electronics Audiovault

Looking for mother board, daughter board or complete system.  
CONTACT: Pete Schartel PHONE: 816-792-1140  
KCXL Radio, 310 S LaFrenz Rd, Liberty, MO 64068

### Hnat Hinds Model SX-87 Manuals

Looking for setup and operating manuals for this unit.  
CONTACT: Rob Backstrom PHONE: 412-278-4103  
Burbach Broadcasting, 104 Broadway Ave, Carnegie, PA 15106

### Orban 622/642B

Need these parametric equalizers. Working or minor repairs.  
CONTACT: Rumble Culture Recordings PHONE: 323-871-1750  
PO Box 67691, Century City, CA 90067

### Altec 250

Need this 1950's audio mixer. Working or minor repairs.  
CONTACT: Rumble Culture Recordings PHONE: 323-871-1750  
PO Box 67691, Century City, CA 90067

### Altec 1566

Need this microphone preamp. Working or minor repairs.  
CONTACT: Rumble Culture Recordings PHONE: 323-871-1750  
PO Box 67691, Century City, CA 90067

### Ramsey Model FM-100 or FM-100W Radio Transmitter

Looking for FM stereo transmitter, in working condition.  
CONTACT: Scott Gardner PHONE: 540-728-7935  
PO Box 387, Hillsville, VA 24343

### Microphones.

Looking for Neumann, Shure, RCA, Beyer, AKG, Altec.  
CONTACT: Tim Cofmann PHONE: 858-571-5031  
Please call.

### Audio Equalizers

Looking for parametric, passive, and others.  
CONTACT: Tim Cofmann PHONE: 858-571-5031  
Please call.

### Audio Processors and Equalizers

Need Universal Audio, Urei, Altec, dBx, Collins, Gate, RCA.  
CONTACT: Tim Cofmann PHONE: 858-571-5031  
Please call.

### Kodak Model Ekt III

Looking for this auto-focus slide projector.  
CONTACT: Tom Babarese PHONE: 856-222-0636  
Bibb Technical Services, 625 Devon Ave, Moorestown, NJ 08057

### FM Antenna

Looking for a CP high-power, 4-bay FM antenna, on 98.3 MHz.  
CONTACT: WHAY Radio PHONE: 606-376-2218  
69 Courthouse Sq, Whitely City, KY 42653

## Misc. Equipment Wanted

WANTED: Broadcast equipment inventories of both older and newer equipment, parts, microphones, etc. STL's, ANY audio processing equipment (old, new, & in between too!), RF components, and exciters especially wanted.

We will be glad to come inspect or clean out both the good and the not so good too in many cases! We can purchase selectively or trade towards new equipment or rebuilt equipment. [04/00\*]

Jon Hall - Hall Electronics (Email: jon@halls.com)  
Phone: 804-984-4255 Fax: 804-984-3299

**BROADCAST EQUIPMENT:** I purchase select broadcast, recording, and sound related equipment working or non-working. Please fax, mail, or e-mail list with model number, description, condition, and asking price. Looking for test equipment catalogs (HP, TEK, GR, Fluke, Etc.) prior to 1985. Looking for Rotron blower motors for CCA, Harris, McMartin, Harris, etc. Working or not working. [04/00\*]

Jeff Corkren (E-mail: bes@ucmail.com)  
B.E.S., PO Box 20331, Jackson, MS 39289-1331  
Phone: 601-857-8573 Fax: 601-857-2346

**BROADCAST EQUIPMENT:** Cart machines, carts, Shafer automation equipment, open-reel decks, 4-track open-reel tape, turntables, and equipment racks. All in good condition. Best offer on all items. [04/00]

### Al Cannon

WERO Radio, Highway 17 South, Washington, NC 27889  
Phone: 252-946-2162

**VINTAGE GEAR:** Looking for vintage broadcasting gear of all types. From 1920's to 1970's. I have items to trade, or will pay fair prices for nice equipment. [04/00\*]

### Robert Van Dyke

Caffrey house Inc., 2 Squires Ave, East Quogue, NY 11942  
Phone: 516-728-9835

**VINTAGE GEAR:** Looking for tube power amps: McIntosh models MC-30, 40, 60, 75, MC-225, MC-240, MC-275, MI-60, 75, 20W-2, 50W-2. Marantz models 2, 5, 8B, and 9. Altec models 1520, 1530, 1568, 1569, 1570, and others.

**VINTAGE SPEAKERS:** Looking for cabinets, horns, drivers, cross-overs and woofers from: Altec, Electro-Voice, JBL, Western Electric, Jensen, Quad, Tannoy, Goodman.

**HI-FI/COMMERCIAL GEAR:** Scott, Dynaco, Fisher, RCA, Ampex. Quad, Leak, Eico, Harmon Kardon, etc. [04/00\*]

### Sonny Goodson - Sunshine Sound

1413 Magnolia Ln, Midwest City, OK 73110  
Phone: 405-737-3312

## Records and Tapes Wanted

**AUDIO TAPE:** Looking for recording reels for Tascam 48. Ampex 456, 1/2-inch tape, 2500' on reels. Need 4 reels. [03/00]

### Stephen Peters

WHAW Radio, 300 Harrison Ave, Weston, WV 26452  
Phone: 304-269-5555

**RADIO SHOWS on CD:** Casey Kasem, Dick Clark, Dick Bartley, and Ricks Dees, with or without cue sheets. Complete sets only. We pay shipping charges. [03/00]

### Darryl Dietz

**General Power Products**  
971 Poincianan Rd, Venice, FL 34293  
Phone: 800-329-1222

**HISTORY OF ROCK & ROLL:** Looking for History of Rock and Roll, and the History of Country Music, on audio cassettes.

**AIRCHECKS:** Looking for airchecks from Oklahoma and around the world. From the 50's, 60's, and 70's.

**OKLAHOMA BOMBING:** Looking for audio and video news stories and documentaries on the Oklahoma City bombing, from anywhere around the world.

**HOCKEY GAMES:** Looking for NHL and other professional games on VHS video and audio cassettes. [04/00\*]

### Bill Stewart - Radio Research

PO Box 272081, Oklahoma City, OK 73137

**AIRCHECKS:** Looking for airchecks from the 50's, 60's, and 70's, from any and all markets. Country, Top-40, Beautiful Music, and Soul. Also looking for radio-related stories and related video on VHS.

**PLAY-BY-PLAY:** Looking for play-by-play and NHL and/or their play-by-play of Pro Hockey games, especially Boston Bruins; audio and video. [04/00\*]

### Bill Scott - OCA

PO Box 365, Mustang, OK 73064

**RECORDS:** Looking for phonograph records. 33/45/78, from the 50's and 60's. Top prices paid for records in very good, or better condition. Will travel. No Big band, opera or Broadway shows. Looking for Rock, Country, Jazz, Blues, Soul, Movie Soundtracks, male and female vocalists. [04/00\*]

### Bill Berry - Karavan Broadcasting

15306 Conroe Dr, Conroe, TX 77384  
Phone: 800-321-2920  
Email: weberry@icc.net

## Non-Profit & Donations

Non-profit looking for a low-power FM exciter and transmitter or stereo generator. It's time to help another. I am grateful if you can send this item to the address below. [04/00]

### Peter Pellot - Invasion

HC 4 Box 44865, Aguadilla, PR 00603  
Phone: 787-882-3086 / 787-243-1095

In exchange for a gift certificate on a 501C3 corporation letterhead, we would like a donation of (1) Tektronix Model 4663 CAD plotter. This unit plots up to 17" x 22" paper. You ship. [03/00]

### Edward Wilk - Wilk Science and Technology

1112 N Grove Ave, Oak Park, IL 60302  
Phone: 708-524-8588

Non-commercial, community radio station is looking for donations of equipment. Transmitters, cart machines, cassette decks, etc., will be accepted. We need entire FM equipment and we're not picky! [03/00]

### Aubrey Presley - KGTO Radio

Dallas, TX  
Phone: 214-333-0463

Tatama FM stereo, a non-commercial Spanish radio station, is looking for donations of equipment, transmitters, consoles, exciters, cart machines, antennas, etc. Will pay shipping. [03/00]

Phone: 415-641-7333

# WireReady is Ready When You Are



*WireReady has been serving broadcasters for 10 years. WireReady is used by 2000 stations and radio networks from small markets to the majors. Systems include 24-hour 800 support, free upgrades, dial-in setup and training.*

## **NewsRoom Systems:**

### **NewsReady**

Simple DOS-based newsroom system captures newswires, and lets your staff print or read just the news and forecasts they need. Offers built-in word-processing for producing local news on the same computer.

Works with all major wire services and network feeds.

Purchase for single computer, or for sharable multi-user LAN configurations.

\$1,295 1<sup>st</sup> computer, \$695 per additional

### **NewsReady32 LE**

The 32-bit GUI windows based, point and click version of NewsReady.

For Win95, Win98, NT, and Win2000 workstations and PCI based hardware.

Purchase for single computer, or for sharable multi-user LAN configurations.

\$1,295 1<sup>st</sup> computer, \$695 per additional. LE stands for light edition.

### **NewsReady32**

Complete text and digital audio system for newsrooms. All the features of NewsReady32 LE, but adds integrated digital audio recording, editing, and on-air delivery capabilities for the entire newsroom. Adds comprehensive local news management, rundowns, audio logging, calendar based future file and schedule planning.

Purchase for single computer, or for sharable multi-user LAN/WAN configurations.

Now being deployed in major Clear Channel news stations coast to coast.

\$2,495 1<sup>st</sup> computer, \$1,295 per additional.

## **Hard-Drive Automation Systems**

### **MusicReady**

Complete hard-drive based system that handles live-assist, satellite, music-on-hard drive and voice tracking.

Software and audio cards package for both a production and on-air computer for \$5,995. Broadcast Tools satellite switcher and relay controller interface packages start at \$1,200. We'll setup the system on your computers, or we'll turnkey the whole system with industrial-class rack-mounted computer packages that start at \$4,000 and feature Pentium processors 128MB of RAM and 25GB of storage. This simple-to-use system is very versatile and supports as much storage as you want. We also help program all your schedules and provide interactive training at no extra charge. One of only a select few systems good enough to be sold and backed by many major broadcast dealers.

All prices quoted above are subject to change. Prices shown for newsroom systems are for software licenses only. Computers are supplied by customer or purchased separately. Costs are one-time license fees which entitle the purchaser to use the software forever. WireReady does not charge mandatory monthly or annual fees. 24-hour 800 support and free upgrades are included for 1<sup>st</sup> year only. Support after first year is by subscription at customer's option for an additional annual fee. See published rate schedule on our web site. All new systems are guaranteed Y2K compliant. Existing customers should check their versions and our web site's Y2K statement to determine if their version is Y2K compliant. WireReady is a registered trademark. NewsReady, NewsReady LE, NewsReady32, and MusicReady are trademarks of WireReady.

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