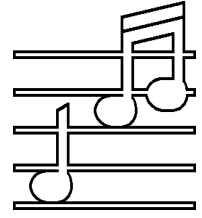


AUDIO BASICS



A MONTHLY NEWSLETTER OF AUDIO INFORMATION
VOLUME NINE NUMBER EIGHT AUGUST, 1990

A "No Phono" Line Only Preamp Is Not a Good Idea.

The idea of a "eliminate the phono section to save some money" preamp comes up more often with my clients these days, and the thought usually makes me wince, because it shows that people are getting conditioned to give away something useful.

What do I mean by "give away?" I mean that I track what competitors are doing and notice that almost without exception when a new preamplifier model comes along with the phono section as an optional extra, that the company has somehow managed to raise the base price of the new model without phono to be at least as high (if not higher) than the price of the previous model with a phono section. Then they tack on a hundred or so extra for the now optional phono module and what you end up doing is paying a lot more for a unit with phono or giving away the phono circuits and paying more anyway.

Because we recognize that some people simply are not interested in playing records any more, we do offer our solid state Omega and Transcendence Two preamps with no extra charge alternatives to phono circuits. Because we had the foresight to design the PC cards so the real estate could be used for alternate dedicated functions depending on how they are stuffed, we can provide you with no extra cost headphone amplifiers, tape buffers, or bridge circuits in many chassis as a viable alternate to phono circuits. But we certainly don't want to take away phono circuits without a useful alternative because that is a bad deal for you.

This is what I explained to a recent customer, I think the advice is general. I told him yes, I can build the Super Pas Three without phono circuits, but since the price of the unit includes the amortization of the design and tooling costs of the entire preamp the savings to us of not including phono circuits are only our raw parts costs and labor assembly time. Actually, eliminating the phono circuit requires changing the heater grounds and re-calibrating the supply resistors for the load of only one tube board and this means the unit has to be partially assembled by one of the engineering people, not just a routine assembler. Thus part of the savings is gobbled up again by the special handling.

If you want a Super Pas Three without phono circuits, the net savings would be \$100.00 with the following conditions. 1) Our satisfaction guarantee and trade up guarantee would not apply to the unit as there simply is no demand for units with this configuration. 2) The cost to later add phono and phono buffer circuits would be on a "one off" time and material basis, most certainly much more than \$100.00 as the power supply board would have to come out and be changed. 3) We do not have faceplates or back panel labels indicating the phono position on the selector switch as

being any other option. Thus, although we would wire the phono inputs as an additional line level set of inputs, the physical labeling would remain "phono." 4) Finally, I must remind you that the used market for a "no phono" preamp is a limited sub-set of all and thus the used market value will be lower and the re-selling opportunities much less.

Our advice, take the whole preamp and enjoy your records too, and have a much more desirable preamp if you ever want to sell it.

Buy B&W Now Before the Price Goes Up!

I hate to tell you this but we have a \$500 a pair price increase coming at the end of September on the B&W 801 Matrix II loudspeaker and proportional increases on many other models. We are nearly out of Matrix Three Series Two models, and the special low prices on DM550s and DM560s will soon be done for too.

If great new speakers are in your plans, call us during September to check availability and price and order now or pay more later!

Used Equipment Available Now

I am pleased to tell you that we have sold every single piece of equipment placed with us under our brokerage service! This is great news for those that have wanted to sell equipment. We have done it for you without fail. However, we have a new supply of great values for you this month too.

Mos-Fet 80D prototype amplifier. This is a very special unit I built myself for my own video system. It has a precision stereo volume control so you can use it without a preamp and it has prototype boards of an improved circuit that may be too expensive for us to produce in a low powered amplifier. It is clean, musical, low distortion, and quiet. The price is \$300 and it comes with our two year warranty.

Free chassis with a Mos-Fet 150D or Transcendence Two amplifier (your choice) built into a good used Hafler DH-120 amplifier shell. We got this great chassis for free and will pass the savings on to you. You pay only

for the new circuits (\$350 for the 150D circuits or \$595 for the Transcendence Two circuits) plus shipping, and we will include this chassis at no extra charge. Tell us which circuit set you want and hurry because there is only one!

We still have One Omega FM tuner available in a decent Dyna AF6 chassis for \$395.00. This is your last chance for our complete assembled analog tuner as the Dyna chassis are getting hard to find. It plays beautiful music.

Complete Super Seventy Amplifiers for \$595.00! I discovered a cache of good used Dyna St-70 chassis in a far corner of my warehouse I had simply forgotten about. We will build you a complete Super Seventy from these including our new power transformer, new 6GH8A driver tube upgrades, and new input and output jack sets, all set to play. Call us now, there are not many of these.

Brand New Omega CD Carousel Changer prototype. This is another unit that looks like it will be too expensive to put into production because it is labor intensive to get past the rotating carousel tray to the circuits for our revisions. But - we have one done with our high current Omega enhancements and since we are not going to produce it, this great sounding 5 CD changer (5" and 3" CDs are handled with this CD552 chassis) is available for the same price as the single play model, namely \$495.00. Its got remote control too!

Remember to call us at 612 890-3517 to check on availability and shipping costs before ordering.

The Audio Basics Index 1982 - 1990

The following is a two part index of Audio Basics from issue #1 through everything that has been published. The first part is a short index sorted and alphabetized by topic name. Use it to find a topic of interest. The second part is sorted by issue date and contains a description of each item. *Note that we have just finishing a re-compilation of 1982 to 1989 Audio Basics back issue sets into 36 to 40 page laser-typeset integrated volumes with improved drawings and 1990 editorial notes. Each complete annual set is \$15.00 (or two sets for \$25.00).*

6GH8A driver tubes for the St-70	4 pages	1990/07
Acoustat	1 page	1984/12
Acoustat 11 speakers	.75 page	1990/06
Acoustat Spectra 11 speakers	3 pages	1989/12
Acoustat Spectra 11 Upgrade	2 pages	1990/03
Adcom GFA-555	1 page	1985/12
Adcom GFA-555	1 page	1988/06
Akai bows out	1 page	1988/12
Alaska	.5 pages	1987/07
Amplifier Distortions	3 pages	1983/09
Amplifier Power	4.5 pages	1984/04
Amplifier Power	4 pages	1984/05
Answering Reader's Questions	5 pages	1989/10
Apogee Settlement	.4 pages	1988/05
April Fools	.5 pages	1986/04
AR Turntable Rebuild Project	3 pages	1984/03
Ariston Q Deck	.75 pages	1988/01
Audio Basics Gets National Attention	.25 pages	1988/11
Audio Basics Index 1982-1990	8 pages	1990/08
Audio by Van Alstine	.25 pages	1986/09
Audio Design	3.5 pages	1986/07
Audio Design Goals	4 pages	1985/02
Audio Magazine	1 page	1987/05
Audio magazine	.5 pages	1989/08
Audio Myths	3.5 pages	1983/07
Audio Technical Training	.8 pages	1987/10
Audio Test Clinics	1 page	1986/07
Audiofest '88	1 page	1988/10
AVA Brokerage Service	1 page	1989/11
AVA CA-150 Plus Integrated Amplifier	1 page	1988/06
AVA CA-80 Integrated Amplifier	.5 pages	1988/04
AVA Hybrid Phase Inverter	1 page	1989/08
AVA Integrated Amplifiers	.5 pages	1987/07
B&K ST-140	3.5 pages	1985/07
B&W "i" Loudspeakers	.5 pages	1987/04
B&W 801 Crossover Design Goof	four pages	1989/12
B&W 80 Crossover modifications.	2 pages	1990/01
B&W 801 Matrix vs. 802 Matrix	1 page	1989/02
B&W 802F Special Loudspeakers	.5 pages	1987/01
B&W 808 Loudspeakers	1 page	1986/01
B&W Acoustitune Sub-Woofer	1 page	1989/06
B&W Acoustitune Sub-Woofer	1 page	1989/08
B&W Car Speakers	1.5 pages	1985/11
B&W CM-1 Loudspeakers	.5 pages	1987/11
B&W Concept 90 Loudspeakers	1 page	1987/07
B&W DM100 Crossover Project	2.5 pages	1986/05
B&W DM100 Loudspeakers	.5 pages	1984/11

B&W DM330 Loudspeakers	1 page	1984/06
B&W E Series Loudspeakers	.5 pages	1987/03
B&W Factory	4 pages	1985/09
B&W Improvements	1.5 pages	1986/02
B&W Loudspeaker Updates	1 page	1988/04
B&W Matrix 1 Loudspeakers	1.5 pages	1986/08
B&W Matrix 3 Series II speakers	page	1988/10
B&W Matrix Loudspeakers	1.5 pages	1986/06
B&W Matrix Loudspeakers	1 page	1986/09
B&W Tweeter Upgrade	1.5 pages	1984/07
B&W Videotape	.25 pages	1987/04
Bedini 25-25 Amplifier	1 page	1986/04
Beta Hi-Fi Video Recorder	.5 pages	1983/06
Better Sounding Vacuum Tubes?	4 pages	1989/05
Bi-Wiring	2 pages	1988/04
Bowers, John	.25 pages	1988/01
Bridged Mono Amplifiers	4 pages	1986/03
Cambridge Audio	.5 page	1988/12
Car Audio	1 page	1987/03
Car Radio Power	3 pages	1983/05
Car Radio Report	1.5 pages	1988/04
Cartridge Damping	3 pages	1982/03
Cartridge Loading	4.5 pages	1982/03
Carver Sound Matching	1 page	1986/09
Cassette Recorders	1 page	1986/02
CBS Notch Filter	1 page	1987/10
CBS Politics	.25 pages	1987/11
CD Changers	.4 page	1989/06
CD Player Design	1 page	1988/10
CD Player Model Differences	1 pages	1988/07
CD Service School	1.5 pages	1987/09
CD Storage System	.5 page	1990/07
Celestion Loudspeakers	1 page	1982/07
CES Show (Summer)	8 pages	1982/06
CES Show (Summer)	5 pages	1986/06
CES Show (Summer)	3 pages	1987/06
CES Show (Winter)	4 pages	1984/02
CES Show (Winter)	2.5 pages	1988/01
Coleco Adam Computer	1.5 pages	1984/10
Compact Disc Cleaning	.5 pages	1987/02
Compact Disc Compatibility Problems	1 page	1986/09
Compact Disc Players	3 pages	1983/05
Compact Disc Players	2 pages	1984/07
Compact Disc Players	3 pages	1985/06
Compact Disc Problems	1 page	1987/09
Compact Disc Reviews	.5 pages	1985/08
Compact Disc Reviews	1.5 pages	1985/10
Compact Disc Reviews	.7 pages	1985/11
Compact Disc Reviews	.8 pages	1986/05
Compact Disc Reviews	1 page	1986/12
Compact Disc Reviews	1 page	1987/11
Compact Disc Reviews	.75 pages	1988/03
Compact Disc Reviews	.5 page	1988/11
Compact Discs, Library	.5 pages	1986/12
Component Retrofit and Upgrade prices	1 page	1990/02
Computers	2 pages	1984/02
Connoisseur Belts	.4 page	1990/04
Consumer Satisfaction	.8 pages	1988/05
Cramolin Red Contact Cleaner	.5 pages	1984/04
Dahlquist LP1 Crossover Modification	4 pages	1989/05
DAT Copy Protection	2 pages	1987/06
DAT Machine Accord Reached	.5 page	1989/08
DAT Machines revisited	1 page	1989/07
DAT Players	.5 pages	1988/03
DAT Politics	.5 pages	1987/02
DAT Technology	1 page	1987/03
Design Criteria	3 pages	1982/12
Digital Audio	2 pages	1983/06
Digital Audio	1 page	1984/10
Digital Audio	1 page	1985/07

AUDIO BASICS AUGUST, 1990 PAGE 4

Digital Audio & Compact Disc Review	.5 pages	1987/09	Low Noise Operation	1 page	1988/05
Digital Audio RFI	1 page	1983/11	Macintosh Computers	.5 pages	1987/09
Digital Audio Sampling Rates	1.5 pages	1987/11	Magic Cable	.5 pages	1984/04
Digital vs. Analog	.5 pages	1982/02	Magic speaker wire revisited	2 pages	1989/07
Don't put Poo Poo on Your CDs!	1 page	1990/04	Magnavox CD Players	1 page	1986/12
Doubts about FMX FM Noise Reduction	1 page	1989/02	Magnavox CDB460 CD Player	.25 pages	1986/11
Dow Corning 200 Fluid	.5 pages	1984/04	Magnavox CDB465 CD Player	.25 pages	1987/07
Dyna Pas LED Pilot Light	2 pages	1983/04	Magnavox CDB470 CD Player	.25 pages	1988/01
Dyna Pas Preamp Hum	2.5 pages	1988/05	Magnavox CDB582 CD player	.5 column	1989/09
Dyna Pat-4 Preamp Rebuild Update	.25 pages	1986/12	Magnavox CDB650 CD Player	.5 pages	1986/11
Dyna Pat-4 Rebuild Project	7 pages	1986/11	Magnavox Multiple Disc CD Player	1 page	1987/09
Dyna Pat-5 Jack Set	.5 pages	1987/04	McArthur, Gregg	2 pages	1985/12
Dyna St-120 Rebuild	10 pages	1984/08	Minnesota Audio Society	1.5 pages	1985/10
Dyna St-70	1 page	1988/12	Minnesota Twins	.3 pages	1987/10
Dyna St-70 Improvements	8 pages	1982/07	Mission 70 MK II Loudspeakers	1 page	1984/02
Dyna St-70 Upgrade	2 pages	1988/03	Mission 7000R	1.5 pages	1985/08
Echo-Muffs	1 page	1987/04	Mobil Delvac 1 Motor Oil	.3 pages	1985/03
Equipment Operation	1 page	1985/11	Mobile Fidelity Records	1.5 pages	1983/11
Equipment Survey	5 pages	1984/06	Mod Squad CD Damper	.5 pages	1986/05
Fet Kit Preamp Project	12 pages	1988/08	More on the 801 Crossover	2 pages	1990/02
Fet Three CD Player	.5 pages	1987/02	Mos-Fet 120C Amplifier	.5 pages	1985/10
Fet-3i Circuits	.5 column	1990/04	Mos-Fet 120C Amplifier	1 page	1988/01
Fet-Valve Amplifiers	1 page	1990/03	Mos-Fet 150B Amplifier	.5 pages	1985/02
Fet-Valve CD Player	.5 page	1988/12	Mos-Fet 400C Amplifier	1.25 pages	1986/12
Fet-Valve CD Player	.3 page	1989/03	Mos-Fet D Series Amplifier	.75 pages	1988/03
Fluke 27 Multimeter	1 page	1985/01	Mos-Fet E Series Amp	1 page	1990/02
Fluke 75 Multimeter	.5 pages	1984/04	Motorola Engineers and the 801	.4 page	1990/04
Fuses (Power Passed)	.5 pages	1986/09	Music Characteristics	1.5 pages	1986/02
Got a Mac?	.5 column	1989/01	Music Characteristics	2 pages	1986/04
Hafler MA-1 Mobile Amplifier	1 page	1986/09	National LH0002CN	.7 pages	1988/05
Hafler Model 300 Loudspeakers	2 pages	1988/07	Neat Stuff from Radio Shack	1 page	1989/02
Hafler XL-280 Amplifier	.5 pages	1987/01	New B&W speakers	1 page	1989/09
Hafler XL-600 Amplifier	2 pages	1988/07	New Longhorn Grado Z	.5 page	1988/11
Harman-Kardon 192	.5 pages	1986/02	Notch Filter	.5 pages	1988/03
Harman-Kardon T-25 Turntable	.5 pages	1984/05	Null and Distortion Test	1 page	1987/01
Harman-Kardon T-60 Turntable	.5 pages	1983/09	Numerical Analysis	1 page	1984/07
Harman-Kardon T-60 Turntable Rebuild	4 pages	1985/12	Numerical Analysis	4 pages	1985/04
Harman-Kardon T-60 Update	.5 pages	1986/10	Numerical Analysis	2 pages	1985/05
Harman-Kardon Turntables	1 page	1985/06	Odd and Ends	2 pages	1984/03
Headphone Amplifier	.5 page	1989/07	Odds and Ends	2 pages	1985/04
Headphone Junction Box Project	1 page	1987/06	Odds and Ends	1.5 pages	1987/05
High Definition TV	4 pages	1989/06	Omega Circuits	.5 page	1990/05
High Fidelity in the Soviet Union	4 pages	1989/04	Omega Series	2.5 pages	1990/04
Home Recording Rights Coalition	.3 pages	1987/09	Optical Coupling	1 page	1987/02
How to Beat the Stereo Rip-Off	1 page	1982/08	Original Designers	.25 pages	1985/10
How to Listen	4.5 pages	1983/06	Our Patent is Issued.	.25 column	1989/02
Impedance	3 pages	1983/08	Our Satisfaction Guarantee	.5 column	1988/12
Input Functions	2 pages	1987/04	Panasonic	.5 column	1989/02
Interconnect Cables	2 pages	1987/03	Panasonic and Price-Fixing	1 page	1989/01
Kodak 8mm VCR	4 pages	1985/08	Parsec FM Antenna	.7 pages	1986/01
Kodak 8mm Video	.25 pages	1985/07	Parsec LS-4 FM Antenna	.5 pages	1988/07
Kodak 8mm Video	.5 pages	1986/08	Parsec Wave Catcher	1 page	1990/06
Kyocera Electronics bows out	.5 column	1989/01	Parts Sources	.5 pages	1987/11
Live Music	.5 pages	1987/02	Paul Jensen	1 page	1983/07
Live Music Characteristics	1 page	1986/07	Pauline the Puma	.5 pages	1987/12
Live Music is not Always the Best	1 page	1990/05	PCM Audio	1 page	1985/11
Live Music is Possible, if You Search for it	2 pages	1990/06	Personal Computers	8 pages	1983/13
Live Music, More Thoughts	2 pages	1990/07	Personal Computers	3 pages	1985/03
Live versus Loudspeaker	1 page	1984/10	Phase Inverter	.25 pages	1987/07
Longhorn Grado	.5 pages	1983/01	Phase Inverter	.5 pages	1988/03
Longhorn Grado Z	.5 page	1989/04	Phono Cartridge Set-Up	3 pages	1984/11
Longhorn Response	2 pages	1982/05	Polarized Capacitors	1.5 pages	1984/05
Longhorn Stabilizer Project	4 pages	1982/04	Power Supply Upgrade	4 pages	1987/01
Loudspeaker Bracing	1.5 pages	1987/02	Precision Parts	2 pages	1983/09
Loudspeaker Damping	5 pages	1982/01	Q Notch Filters	.5 pages	1987/09
Loudspeaker Evaluation	6 pages	1983/01	Read All the Instructions First!	.5 column	1989/01
Loudspeaker Evaluation	6.5 pages	1983/02	Reader's Letters	2 pages	1986/01
Loudspeaker Evaluation	7 pages	1983/03	Reading Between the Lines	1 page	1987/02
Loudspeaker Evaluation	5.5 pages	1983/04	Record Care	2.5 pages	1985/01
			Record Mat	.3 pages	1982/05

AUDIO BASICS AUGUST, 1990 PAGE 5

Record Reviews	3 pages	1983/11	Troubleshooting - Flow Chart	4 pages	1987/12
Robert W. Fulton 1925-1988	.5 pages	1988/09	Troubleshooting - Fuses	2 pages	1987/10
Rockford-Fogate	.25 pages	1988/01	Troubleshooting - Power Amplifiers	1 page	1987/11
Room Damping	many pages	1988/11	Troubleshooting revisited	1.5 pages	1990/01
Selector Switch Project	5 pages	1989/01	Turntable	1 page	1984/10
Sennheiser Headphones	1.5 pages	1987/07	Turntable Base	.25 pages	1985/02
Sensible Sound	1 page	1986/05	Turntable Damping	2 pages	1982/05
Service Contracts	2.5 pages	1989/11	Turntable Set-Up	6 pages	1984/12
Service Data	.5 pages	1986/09	Tweak	.5 pages	1985/11
Service Woes	1 page	1987/03	Tweeter Warning	1.5 pages	1987/05
Seven Shiny Pennies vs. 1 Old Quarter	several pages	1988/10	Underground Magazines	6 pages	1982/02
Sharp PA-1000 Typewriter	1 page	1984/12	Underground Magazines	1 page	1984/07
Sharp RT-100 Cassette Deck	.7 pages	1985/03	Underground Magazines	1 page	1985/01
Solid State Rectifier	1 page	1985/10	Used Audio Equipment	6 pages	1984/09
Sony EV-S700U 8mm Deck	1 page	1986/10	Vacuum Tube Amplifiers	3 pages	1982/07
Sony PCM 501 ES	1 page	1986/04	Vacuum Tube Amplifiers	.7 pages	1985/03
Sony PCM 501ES	.25 pages	1985/11	VCR Hook-Up Problems	.5 pages	1987/08
Sony PCM 501ES	.5 pages	1986/09	VHS Video Options	.5 pages	1987/04
Sony Super-Beta Hi-Fi VCR	1 page	1985/12	Warehouse Shopping	.5 pages	1985/03
Sorbothane Tube Dampers	.5 pages	1986/05	Wire Challenge Concluded	3 pages	1990/05
Sound Ideas	1 page	1990/02	Wire Challenge Continued	1 page	1990/04
SPARS Code	.5 pages	1985/10	Wire Challenge Update	1.5 pages	1990/02
Speaker Cable	5 pages	1982/08	Wonder Caps	2 pages	1982/09
Spectrum 108A Loudspeakers	1 page	1989/04	Wonder Caps	.5 pages	1982/10
Spike Feet	2 pages	1986/10	Wonder Caps	.5 pages	1982/11
St-70 Input and Output Jack Set Kit	1 page	1989/08	Wonder Caps	.25 pages	1983/01
St-70 Power Transformer	.5 column	1989/08	Wonder Caps and Magic	1 page	1984/02
St-70 Power Transformer	.5 page	1989/09	Yamaha CD Player	1 page	1986/06
St-70 Upgrade coming soon	1 column	1989/02	Yellowstone fires.	.5 page	1989/08
Stereo Cost Cutters	1 page	1989/02			
Stereophile	1 page	1986/08			
Stereophile	1 page	1987/12			
Stereophile & the Super Pas 3	1 page	1988/12	1982/01 • Loudspeaker Damping • 5 pages		
Super 70 Construction Kit	11 pages	1989/03	How to inexpensively reduce speaker cabinet and frame resonances using plast-i-clay modeling compound. This easy, do-it-yourself project makes many inexpensive and some expensive loudspeakers sound much clearer.		
Super Pas Three Power Supply Project	14 pages	1988/02	1982/02 • Digital vs. Analog • .5 pages		
Super Pas Three Power Supply Update	.5 pages	1988/03	Early comments on digital recording techniques that foreshadowed many of the later debates.		
Super Pas three Power Supply Upgrade	1.5 pages	1990/05	1982/02 • Underground Magazines • 6 pages		
Super Pas Three Rebuild-Kit	half-page	1988/10	This guide on "How to Read" underground magazines clarifies several of the current audio myths and serves as a guide to clear thinking.		
Super Pas 2 Power Supply	.5 pages	1987/07	1982/03 • Cartridge Damping • 3 pages		
Super Seventy	2 pages	1989/07	Inexpensive plast-i-clay modeling clay makes a simple to execute but significant improvement in most phono cartridges.		
Super Seventy Power Supply Upgrade	1 page	1990/05	1982/03 • Cartridge Loading • 4.5 pages		
Super-Fet Pat-4 Preamplifier	1 page	1986/03	The mathematical formula for determining proper cartridge loading is provided along with an explanation of the formula and the reasons that proper loading is so important to your system. Guideline loads for many popular cartridges are given.		
Super-Fet TL071 Upgrade	1 page	1984/10	1982/04 • Longhorn Stabilizer Project • 4 pages		
Super-Pas Audio Circuit Upgrade	2 pages	1986/08	Complete instructions for building a Longhorn stabilizer bar for any phono cartridge allow you to make a very large improvement in your record playback system with minimal cost.		
Super-Pas Kit	.5 pages	1985/07	1982/05 • Longhorn Response • 2 pages		
Super-Pas Power Supply	2 pages	1985/05	A sampling of the response to the Longhorn Stabilizer bar outlined in 04/1982. Reports show that many people have been able to cure tracking problems and improve sonic performance with the stabilizer.		
Super-Pas Two	1.5 pages	1985/09	1982/05 • Record Mat • .3 pages		
Superphon Amplifier	1 page	1986/12	Review of the TRI-PAD record mat and Radio Shack record clamp. Obsolete.		
Surge Protection	4 pages	1988/06	1982/05 • Turntable Damping • 2 pages		
Sutherland Hybrid Board didn't work	.3 page	1989/03	Instructions on damping turntable bases and tonearms with plast-i-clay. This inexpensive and simple improvement kills many of the mechanical resonances of the system.		
Tandy Corporation "Thor" CD Player	.5 pages	1988/05	1982/06 • CES Show (Summer) • 8 pages		
Tape Monitor Switches	1.5 pages	1987/05	A review of the 1982 Summer CES show including mentions of compact disc technology, Sony, satellite receivers, Chicago restaurants, Acoustat speakers, B&W speakers, and more.		
Telarc 1812 Cannons	2 pages	1982/12	1982/07 • Celestion Loudspeakers • 1 page		
Telarc Records	2 pages	1983/11	A review of the very nice, high definition Celestion SL-6 loudspeakers and a discussion of Celestion's ideas and techniques. Obsolete.		
The Body Language of Bad Service.	4 pages	1989/09			
The Magic Cable Challenge.	3 pages	1990/01			
Thorens TD 280 Turntable	.5 pages	1987/07			
Toroid Transformers	2 pages	1984/11			
Toshiba	.5 pages	1987/07			
Transcendence 150 Amplifier	.7 pages	1986/03			
Transcendence CD Player	.5 pages	1986/07			
Transcendence 3 Fet-Valve Introduction	2 pages	1988/08			
Transcendence Tuner	1.5 pages	1986/02			
Transcendence 2 Amplifiers	1 page	1986/01			
Transient Distortion	6 pages	1983/10			
Troubleshooting	4 pages	1982/09			
Troubleshooting	7.5 pages	1982/10			
Troubleshooting	7.5 pages	1982/11			
Troubleshooting	1 page	1983/01			
Troubleshooting	5 pages	1987/08			

1982/07 • Dyna St-70 Improvements • 8 pages

Instructions, parts lists, schematics, and theory are provided for a new circuit for the Dyna St-70 amp. This bandpass filter limits the input frequency of the amplifier to the range it can easily handle, yielding very significant sonic improvements. Bring your amp back to life with this complete circuit.

1982/07 • Vacuum Tube Amplifiers • 3 pages

An in-depth look at some of the limitations of vacuum tube amplifier design and ways to work around and within these limitations.

1982/08 • How to Beat the Stereo Rip-Off • 1 page

A review of the book *How to Beat the Stereo Rip-Off* by Barnet Feingold. This book is an essential manual for surviving the audio world.

1982/08 • Speaker Cable • 5 pages

The myths of speaker cable are examined with rational engineering. This guide to the bad things that unreliable wire can do to your system allows you to isolate and solve problems with interconnects.

1982/09 • Troubleshooting • 4 pages

This general and informative treatise on troubleshooting begins this month and continues through 1982/11. Beginning with connections and switch positions, various "strange noises" are examined.

1982/09 • Wonder Caps • 2 pages

A look at fraudulent modifications to Hafler DH-200 amplifiers involving "Wonder Caps."

1982/10 • Troubleshooting • 7.5 pages

The study of troubleshooting continues with a discussion of distortion and includes several problems to work through as exercises in identifying system problems.

1982/10 • Wonder Caps • .5 pages

A comment on the difficulties of getting engineering data on "magic" parts.

1982/11 • Troubleshooting • 7.5 pages

Continuation of troubleshooting including answers to the troubleshooting problem posed in 1982/10 and a flowchart for isolating problems in systems.

1982/11 • Wonder Caps • .5 pages

A continuation of the investigation of Wonder Caps, specifically the PPMF devices produced by Reliable Capacitor.

1982/12 • Design Criteria • 3 pages

Given non-linearities of existing equipment and the coming of digital, this list of observations and conclusions provides a set of rational general criteria for audio design.

1982/12 • Telarc 1812 Cannons • 2 pages

The Telarc 1812 Cannons and difficulty of tracking them leads into a discussion of rational constraints on the performance of audio components.

1983/01 • Longhorn Grado • .5 pages

A caution about making your stabilizer bar physically too large to fit your turntable.

1983/01 • Loudspeaker Evaluation • 6 pages

How to tell when you should, and should not, purchase new loudspeakers and an introduction to the art of evaluating speakers. Learn what you need to make intelligent choices with your audio dollar.

1983/01 • Troubleshooting • 1 page

Troubleshooting is completed with a final, alternate solution to the troubleshooting problem.

1983/01 • Wonder Caps • .25 pages

At long last, we finally encounter Wonder Caps ourselves and learn that they are terribly microphonic.

1983/02 • Loudspeaker Evaluation • 6.5 pages

The evaluation of loudspeaker design continues with the pros and cons of electrostatic, electromagnetic, horn,

ceramic, and Bose direct reflecting loudspeaker systems.

1983/03 • Loudspeaker Evaluation • 7 pages

Everything you wanted to know about bass but didn't know what to ask. What bass actually is, as well as what you need to reproduce it well and how sub-woofers relate to these questions.

1983/04 • Dyna Pas LED Pilot Light • 2 pages

Project to replace the incandescent bulb "on" light in a Dyna Pas and replace it with a LED, thus making several minor but useful improvements.

1983/04 • Loudspeaker Evaluation • 5.5 pages

The several types of cabinet construction, including infinite baffle, transmission line, ported, and several others, are noted and explained.

1983/05 • Car Radio Power • 3 pages

A hard-headed look at the claims of car radios and their real world performance, backed by mathematical and physical truth and solid reasoning.

1983/05 • Compact Disc Players • 3 pages

Some early notes on the difficulty of obtaining and running a compact disc player. There are also some good reasons of why to be wary of first generation products in all cases.

1983/06 • Beta Hi-Fi Video Recorder • .5 pages

An early review of the Sony Beta Hi-Fi Video Recorder and some of its many capabilities.

1983/06 • Digital Audio • 2 pages

Audiophiles claimed that digital was bad and ruined music. We examine the digital controversy with a level-head and logic.

1983/06 • How to Listen • 4.5 pages

The "golden-ear" myth is debunked and we consider the art of listening. Everyone can hear, the key is knowing what to listen to. Get down to fact and be free of the mystics.

1983/07 • Audio Myths • 3.5 pages

A continuation of "How to Listen", more great audio myths go down in flames.

1983/07 • Paul Jensen • 1 page

A bit of history concerning Paul Jensen, founder of Jensens Stereo Shop, "Sonic Eight" loudspeakers and '57 Chevies.

1983/08 • Impedance • 3 pages

A basic discussion of impedance and its application to the audio world.

1983/09 • Amplifier Distortions • 3 pages

All amps don't sound the same and here are some reasons why. We explore some common engineering mistakes.

1983/09 • Harman-Kardon T-60 Turntable • .5 pages

Test reports on a very nice H-K turntable. Obsolete

1983/09 • Precision Parts • 2 pages

Are 1% parts better than 10%? How does one judge? Learn about part production and labeling.

1983/10 • Transient Distortion • 6 pages

All about transient distortion - it's causes, effects, manifestations.

1983/11 • Digital Audio RFI • 1 page

A warning about RFI in early CD players and the effect it can have on tuners and television. Fortunately obsolete

1983/11 • Mobile Fidelity Records • 1.5 pages

Some of our favorite MFSL recordings. The reviews apply to the compact disc versions as well.

1983/11 • Record Reviews • 3 pages

A look at some of the American Gramophone, Nautilus, Sheffield Lab, and other audiophile recordings.

1983/11 • Telarc Records • 2 pages

Synopsis of our favorite Telarc records. Note: these comments apply to the Telarc compact discs also, as they use the same digital masters for both formats.

1983/13 • Personal Computers • 8 pages

This bonus issue discusses the personal computer market in 1983, but also provides some very solid guideline to computer purchases even now.

1984/02 • CES Show (Winter) • 4 pages

An overview of the products shown at the 1984 show. While most of the displays were the same old thing, we did find and report on some interesting products.

1984/02 • Computers • 2 pages

A look at the home computer market in one of it's lows. Obsolete

1984/02 • Mission 70 MK II Loudspeakers • 1 page

Our test reports and review of the clean and dynamic Mission speakers. Obsolete

1984/02 • Wonder Caps and Magic • 1 page

We examine the claims of the all-new, improved Wonder Caps and recommend you consider just what advances in the standard of living magic has ever made. Van Alstine's Law 1-3 are provided for your contemplation.

1984/03 • AR Turntable Rebuild Project • 3 pages

Instructions for a do-it-yourself project to tune, lube and damp your AR Turntable to get the best performance.

1984/03 • Odd and Ends • 2 pages

We cover several short topics including TV filters, Noble volume controls, B&W tweeters, and more.

1984/04 • Amplifier Power • 4.5 pages

How to tell real power from advertising specs by knowing just a little physics and using common sense. What are the federal tests measuring and how does it relate to the performance of the equipment.

1984/04 • Cramolin Red Contact Cleaner • .5 pages

Where to get Cramolin Red, an incredible contact control cleaner. This is the same cleaner we use in-house on all of our equipment.

1984/04 • Dow Corning 200 Fluid • .5 pages

A mention of the liquid silicon that is very useful in damping tonearms. We have found a source for small quantities.

1984/04 • Fluke 75 Multimeter • .5 pages

A mention of the Fluke precision Multimeters and some sources.

1984/04 • Magic Cable • .5 pages

Selling \$.27/foot cable for \$.60/foot is altruistic? We're baffled too as we examine more claims of magic.

1984/05 • Amplifier Power • 4 pages

The discussion of amplifier power, real versus measured, continues with examinations of fraud played on the consumer.

1984/05 • Harman-Kardon T-25 Turntable • .5 pages

Description of the work we do to a H-K Turntable to make it free from hum and AC fields. Obsolete

1984/05 • Polarized Capacitors • 1.5 pages

Beware of capacitors that produce nasty strange resonances in your system.

1984/06 • B&W DM330 Loudspeakers • 1 page

Review of the very musical three-way system in the 100 line. Obsolete

1984/06 • Equipment Survey • 5 pages

The results of the reader survey are presented as we look at readers' favorite equipment, music sources, and ideas about future technology.

1984/07 • B&W Tweeter Upgrade • 1.5 pages

The B&W TSX-80 tweeter for the 801 is simply stunning and is available as an upgrade kit. Obsolete

1984/07 • Compact Disc Players • 2 pages

A look at emerging digital technology and the accompanying birth pains of the new media.

1984/07 • Numerical Analysis • 1 page

As we use our H-P minicomputer to analyze circuits, we find that number crunching can be exciting. Having to divide 1,000,000 by .00000000012 is just one of the many joys. Don't try this at home.

1984/07 • Underground Magazines • 1 page

Just a glimpse of the fun of trying to get equipment noticed and reviewed by the underground press.

1984/08 • Dyna St-120 Rebuild • 10 pages

This do-it-yourself construction project allows you to build a power mos-fet power supply for your 120 and shows you how to properly troubleshoot the stock unit before you begin.

1984/09 • Used Audio Equipment • 6 pages

This guide to used equipment will help you avoid expensive pitfalls. Learn careful techniques in evaluating equipment and know what questions you need to ask to not get had.

1984/10 • Coleco Adam Computer • 1.5 pages

An evaluation of the Adam computer and its built-in word processor system. Obsolete

1984/10 • Digital Audio • 1 page

We look at some of the problems of the off-shore compact disc players.

1984/10 • Live versus Loudspeaker • 1 page

Beware of demonstrations in which the system sounds as good as the live music. Is the live music actually playing well?

1984/10 • Super-Fet TL071 Upgrade • 1 page

Description of a significant IC upgrade to our Super-Fet preamplifiers.

1984/10 • Turntable • 1 page

Troubleshooting and repair of a very poorly aligned turntable and some thoughts on the effect the "weak link" can have on the rest of your system.

1984/11 • B&W DM100 Loudspeakers • .5 pages

Evaluation and recommendation of the B&W two-way bookshelf speakers. Obsolete

1984/11 • Phono Cartridge Set-Up • 3 pages

Complete guide and step-by step instructions to properly set up your cartridge for optimum results.

1984/11 • Toroid Transformers • 2 pages

Explanation of the properties and characteristics of toroid transformers and their applications in audio.

1984/12 • Acoustat • 1 page

Acoustat loudspeakers acquired by Hafler and an upgrade to the transformer is announced. Obsolete

1984/12 • Sharp PA-1000 Typewriter • 1 page

We evaluate Sharp's electronic memory typewriter. This early version word-processor shows the state of the art at the time. Obsolete

1984/12 • Turntable Set-Up • 6 pages

Complete instructions for properly setting up and aligning your turntable, including explanations of the controls and adjustments necessary.

1985/01 • Fluke 27 Multimeter • 1 page

Review of and report on the Fluke 27 Multimeter test instrument. Obsolete

1985/01 • Record Care • 2.5 pages

We examine some of the record cleaning products available on the market and strategies for record cleaning to insure long record life.

1985/01 • Underground Magazines • 1 page

Yet again we encounter the craziness and marketing strategies of the underground press.

1985/02 • Audio Design Goals • 4 pages

Should your system be a Xerox machine or create a sound

of its own? How can we evaluate the performance and accuracy of equipment? Where should our intentions lie?

1985/02 • Mos-Fet 150B Amplifier • .5 pages

Introduction of our own circuits in a Hafler DH-120 chassis. Obsolete

1985/02 • Turntable Base • .25 pages

Short and simple instructions on building a very solid and effective turntable base out of chimney blocks.

1985/03 • Mobil Delvac 1 Motor Oil • .3 pages

A small note about a good, high-performance synthetic motor oil.

1985/03 • Personal Computers • 3 pages

With the demise of our IBM typewriter, we are forced into the home computer market. Come with us on a frightening tale of computer technology and marketing.

1985/03 • Sharp RT-100 Cassette Deck • .7 pages

We found a cheap, simple, and reasonably good cassette deck at Best Buys. Obsolete

1985/03 • Vacuum Tube Amplifiers • .7 pages

Power vacuum tubes are getting scarce and expensive, so buyer beware. But if you already have a St-70 we can help you make it sound nice for only \$5.

1985/03 • Warehouse Shopping • .5 pages

A few simple guidelines about surviving the warehouse electronics stores and finding values on the equipment you want.

1985/04 • Numerical Analysis • 4 pages

A stereo system is rather like the system of resonances and pulls that you find in an automobile. We can model this system with computer programs, and we tell about our model and the work we are doing with it.

1985/04 • Odds and Ends • 2 pages

A variety of short topics including the destruction of Harry Pearson's home, hi-fi ambulances, Joe Grado, the White House equipment, and "Grand Prix" awards.

1985/05 • Numerical Analysis • 2 pages

We describe more of the computer system we employ to analyze electrical circuits in order to make more linear components.

1985/05 • Super-Pas Power Supply • 2 pages

A do-it-yourself project to improve the power supply of the Super-Pas. Creates noticeable sonic improvements with a simple upgrade.

1985/06 • Compact Disc Players • 3 pages

We get our first CD player, a Magnavox FD1010, and comment on both the Magnavox and the state of digital audio.

1985/06 • Harman-Kardon Turntables • 1 page

A few comments on improving the performance of the turntables with liquid silicon and the difference between the models.

1985/07 • B&K ST-140 • 3.5 pages

We publish a letter from a founder of B&K that admits their guilt in stealing our amplifier design for use in the ST-140 and look at issues of idea theft in the industry and what manufacturers can do.

1985/07 • Digital Audio • 1 page

Our findings so far on the best equipment to use with digital sources. Obsolete

1985/07 • Kodak 8mm Video • .25 pages

We received the Kodak 8mm camcorder and overview its video and audio capacities.

1985/07 • Super-Pas Kit • .5 pages

Announcement of our Super-Pas kit, instruction set and available options.

1985/08 • Compact Disc Reviews • .5 pages

Review of two Telarc releases.

1985/08 • Kodak 8mm VCR • 4 pages

An in-depth look at the Kodak PCM system with its audio and video record features. We look at the PCM format and its audio fidelity.

1985/08 • Mission 7000R • 1.5 pages

We review the Mission 7000R CD player and compare it to the Magnavox 2040. Obsolete

1985/09 • B&W Factory • 4 pages

Off to England to explore the B&W factory and research centers for ourselves. Get a glimpse of how the British company works and develops new loudspeakers.

1985/09 • Super-Pas Two • 1.5 pages

Announcement of our Super-Pas Two preamplifier using all new PC boards in the Dyna chassis. It changed our mind about the musicality of digital. Obsolete

1985/10 • Compact Disc Reviews • 1.5 pages

A review of several Telarc classical and various pop and jazz compact discs we have found to be well recorded and musical.

1985/10 • Minnesota Audio Society • 1.5 pages

We knock the socks off of the MAS with our new preamplifier, in spite of those meeting hall blues.

1985/10 • Mos-Fet 120C Amplifier • .5 pages

Introduction of the new Mos-Fet 120C amplifier built in a Dyna St-120 chassis. Obsolete

1985/10 • Original Designers • .25 pages

Several good reasons to buy equipment from the original designer and not from licensees.

1985/10 • Solid State Rectifier • 1 page

A discussion of why solid state rectifiers and vacuum tube preamplifiers don't get along.

1985/10 • SPARS Code • .5 pages

An explanation of the SPARS code used in identifying compact discs.

1985/11 • B&W Car Speakers • 1.5 pages

Overview of the B&W MASS car speakers giving their uses and features. We begin to think about the ultimate car sound system.

1985/11 • Compact Disc Reviews • .7 pages

We look at a few more of our compact discs and report on readers' favorites.

1985/11 • Equipment Operation • 1 page

Why it is not advisable to leave your equipment on all the time.

1985/11 • PCM Audio • 1 page

We foreshadow the DAT decks by examining the possibilities and applications for PCM audio recorders.

1985/11 • Sony PCM 501ES • .25 pages

Mention of the Sony A to D, D to A digital processor that works with any VCR.

1985/11 • Tweak • .5 pages

We receive a report from our clients on Tweak contact cleaner.

1985/12 • Adcom GFA-555 • 1 page

We examine an Adcom amplifier and learn the Mos-Fet 120C stomps on it. Obsolete

1985/12 • Harman-Kardon T-60 Turntable Rebuild • 4 pages

Complete instructions to build your own external power supply for the Harman-Kardon T-60 turntable, thereby isolating your turntable from hum fields and mechanical vibrations.

1985/12 • McArthur, Gregg • 2 pages

A visit to an audiophile gathering at our field representative's home and the various equipment we encountered there.

1985/12 • Sony Super-Beta Hi-Fi VCR • 1 page

Evaluation of the very nice Super-Beta video and Hi-Fi audio video cassette recorder. The Sony is ideally suited to replace your conventional audio tape deck.

1986/01 • B&W 808 Loudspeakers • 1 page

We encounter the ultimate in loudspeakers and the neighbors wonder. The 808s turn out to be the most dynamic and transparent speakers we have ever heard.

1986/01 • Parsec FM Antenna • .7 pages

We find and review an indoor amplified FM antenna that works very nicely and may help solve your reception problems.

1986/01 • Reader's Letters • 2 pages

We share some of our reader mail with you.

1986/01 • Transcendence Two Amplifiers • 1 page

Mention and notice of our new high-powered, state of the art Transcendence Two amplifiers.

1986/02 • B&W Improvements • 1.5 pages

B&W releases several improved versions of their 100 line loudspeakers. We discuss the differences and improvements.

1986/02 • Cassette Recorders • 1 page

Problems with the audio cassette deck and what to do if you just have to get one.

1986/02 • Harman-Kardon 192 • .5 pages

Review of a not so hot cassette deck from H-K. Obsolete

1986/02 • Music Characteristics • 1.5 pages

A vocabulary lesson in which terms such as range, balance, vowel tone colorations, and others are defined, explained, and put in perspective.

1986/02 • Transcendence Tuner • 1.5 pages

Introduction of the stunning Transcendence Tuner built in the Hafler DH-330 chassis. In addition to our state of the art circuits, the tuner has all the modern digital creature comforts.

1986/03 • Bridged Mono Amplifiers • 4 pages

Primer on reasons and techniques to operate amplifiers in the bridge mono mode. We examine the math and physics of the situation to get the best operation possible.

1986/03 • Super-Fet Pat-4 Preamp • 1 page

Introduction of our musical Super-Fet circuits in the Dyna Pat-4 chassis. Obsolete

1986/03 • Transcendence 150 Amplifier • .7 pages

Introduction of our Transcendence Series Two circuits in the Hafler DH-120 amp.

1986/04 • April Fools • .5 pages

Follow our unique advice to get some nifty effects out of your system!

1986/04 • Bedini 25-25 Amplifier • 1 page

Sonic evaluation of the Bedini 25-25 amplifier and a look inside at the workmanship and construction.

1986/04 • Music Characteristics • 2 pages

The discussion of audio system sounds continues (from 1986/02) with treatment of dynamic range, definition, musical character, and more.

1986/04 • Sony PCM 501 ES • 1 page

Review of the Sony PCM digital processor and a video recorder to get very very nice sound.

1986/05 • B&W DM100 Crossover Project • 2.5 pages

A do-it-yourself project to improve the crossover on the B&W DM100 loudspeakers. Complete instructions and a sketch provided.

1986/05 • Compact Disc Reviews • .8 pages

Reviews of readers' CDs including the Nylons, Manhattan Transfer, Philip Glass, and Michael Hedges.

1986/05 • Mod Squad CD Damper • .5 pages

Evaluation of a gadget that supposedly reduces tracking

errors.

1986/05 • Sensible Sound • 1 page

Discussion of the underground audio magazines and their observable editorial policies.

1986/05 • Sorbothane Tube Dampers • .5 pages

Evaluation of Audioquest's Sorbothane tube dampers and isolation feet, tried in our Super-Pas Two preamplifier and other products.

1986/06 • B&W Matrix Loudspeakers • 1.5 pages

Report from the CES Show on the Matrix 1, Matrix 2, and Matrix 3 loudspeakers. Specs given along with our initial comments after hearing them at the show.

1986/06 • CES Show (Summer) • 5 pages

A review of the 1986 Chicago CES Show (Summer) including the interesting things we saw, heard, and ran across. New products from Hafler, B&W, Carver, DCM and other mentioned.

1986/06 • Yamaha CD Player • 1 page

We learn that all CD players do not sound alike. Experience with a Yamaha leads to warnings and suggestions for our readers.

1986/07 • Audio Design • 3.5 pages

What problems remain in the various components of the audio system and what can designers do to come closer to live? Examine problems in your listening room, loudspeakers, source material, and electronics.

1986/07 • Audio Test Clinics • 1 page

Some hints for surviving audio test clinics and cutting through their propaganda.

1986/07 • Live Music Characteristics • 1 page

Just what does live music sound like? How can we describe what we hear so we can compare it to our audio system?

1986/07 • Transcendence CD Player • .5 pages

Introduction of the high-definition and very smooth Transcendence CD Player in selected Philips chassis.

1986/08 • B&W Matrix 1 Loudspeakers • 1.5 pages

An in-depth review of the Matrix 1 loudspeakers in our studio. Learn all about these stunning little speakers.

1986/08 • Kodak 8mm Video • .5 pages

Warnings about the Kodak PCM units with automatic level controls and their use for audio.

1986/08 • Stereophile • 1 page

Adventures of the underground press at the 1986 Chicago CES Show.

1986/08 • Super-Pas Audio Circuit Upgrade • 2 pages

We give complete instructions and sketches for an audio circuit upgrade to your Super-Pas that significantly improve the dynamics and resolution of the preamplifier.

1986/09 • Audio by Van Alstine • .25 pages

Notification and explanation of our name change from Jensens Stereo Shop to Audio by Van Alstine. We are truly sick of 3 am calls to fix Jensen car speakers.

1986/09 • B&W Matrix Loudspeakers • 1 page

We complete the reviews of the Matrix line by examining the Matrix 2 and Matrix 3 loudspeakers.

1986/09 • Carver Sound Matching • 1 page

Investigation of Carver's claims to match the sound of any amp. What, really, is his task and how sound matching works.

1986/09 • Compact Disc Compatibility Problems • 1 page

Be aware of possible incompatibilities between your CD player and your CDs that can cause load and read errors.

1986/09 • Fuses (Power Passed) • .5 pages

The formula to determine the power passed by fuses so you can protect your equipment appropriately.

1986/09 • Hafler MA-1 Mobile Amplifier • 1 page

Test reports and review of Hafler's discrete mos-fet car

amplifier. If you want a quality car system, strongly consider this amp.

1986/09 • Service Data • .5 pages

Just an anecdote about a smoke alarm and a suspect amplifier to drive in the fact that we need good data to give you good service.

1986/09 • Sony PCM 501ES • .5 pages

News about Sony's excellent digital processor and ways to prevent recording level overloads.

1986/10 • Harman-Kardon T-60 Update • .5 pages

An update to the instructions for the H-K T-60 turntable upgrade project detailed in 12/85. The new instructions work with recent variations in the H-K power supply card.

1986/10 • Sony EV-S700U 8mm Deck • 1 page

Evaluation of the Sony 8mm video deck with record level controls. Consider it for a replacement for your audio cassette system.

1986/10 • Spike Feet • 2 pages

The physics behind spike feet (tip-toes) and some items to consider when deciding if you should use them.

1986/11 • Dyna Pat-4 Rebuild Project • 7 pages

Complete instructions, sketches, and parts list for a do-it-yourself rebuild of the Dyna Pat-4 preamplifier. Following these plans will improve the dynamics, clarity, definition, and refinement of your unit.

1986/11 • Magnavox CDB460 CD Player • .25 pages

Notice of our standard CD player for rebuild, the Magnavox 460. This CD player does a lot of things very right. Obsolete

1986/11 • Magnavox CDB650 CD Player • .5 pages

Warning about a model we cannot use for our rebuild circuits.

1986/12 • Compact Disc Reviews • 1 page

More of the CDs that we have found musical and well recorded. The list runs from classical to Broadway to jazz.

1986/12 • Compact Discs, Library • .5 pages

Useful advice on a source for free CDs to audition.

1986/12 • Dyna Pat-4 Preamp Rebuild Update • .25 pages

An update to the parts list of last month's project.

1986/12 • Magnavox CD Players • 1 page

We expound on last month's warning about the 650 and describe the difference in transport assemblies, physical space, and internal cost between the 650 and 460.

1986/12 • Mos-Fet 400C Amplifier • 1.25 pages

Introduction of our Mos-Fet C circuits into the Dyna St-400, 410, and 416 chassis. Get high power performance for a low budget. Obsolete

1986/12 • Superphon Amplifier • 1 page

Review and bench reports on the bi-polar Superphon amplifier.

1987/01 • B&W 802F Special Loudspeakers • .5 pages

Read about the significant improvements to the 802 that make this a winner of a speaker. Obsolete

1987/01 • Hafler XL-280 Amplifier • .5 pages

Introduction to the Hafler XL-280 high current amplifier.

1987/01 • Null and Distortion Test • 1 page

Is nulling necessarily an important characteristic of an amplifier? What is the null test? Does it prove anything?

1987/01 • Power Supply Upgrade • 4 pages

Instructions and engineering background for a do-it-yourself improvement to the power supply of nearly any AVA amplifier that improves clarity and yields lower noise.

1987/02 • Compact Disc Cleaning • .5 pages

Don't do it unless you must, but if your CDs are really messed up, use proper cleaning techniques to keep from damaging them.

1987/02 • DAT Politics • .5 pages

Why the fuss about copy-protection? Just what are the manufacturers of digital electronics afraid of?

1987/02 • Fet Three CD Player • .5 pages

Introduction of our low cost and superb performance Fet Three and Fet Three Plus circuits for the Magnavox CD players.

1987/02 • Live Music • .5 pages

After hearing the sweet and lucid sound of the Saint Paul Chamber Orchestra, it's time to evaluate once again the performance of any electronics.

1987/02 • Loudspeaker Bracing • 1.5 pages

Instructions for making internal braces for your loudspeakers to reduce cabinet reflections and get a cleaner sound.

1987/02 • Optical Coupling • 1 page

Instead of being swayed by impressive terms, we logically examine optical coupling and give our report on the technology.

1987/02 • Reading Between the Lines • 1 page

Please don't do it, as it makes life harder for everyone. We respond to reader mail that involves this problem.

1987/03 • B&W E Series Loudspeakers • .5 pages

Don't be confused about the Matrix loudspeakers and the European E Series Matrix loudspeakers. We have the data for you.

1987/03 • Car Audio • 1 page

An update to our quest for the ultimate car stereo. The Hafler MA-1 and Sony Disc Jockey make a good start, read on for more.

1987/03 • DAT Technology • 1 page

How the DAT works, why Congress wants to ruin all music, and why copy protection isn't even necessary.

1987/03 • Interconnect Cables • 2 pages

Because "magic" cable still abounds, we once again delve down to the realm of rationality and look at the physics behind interconnect wire.

1987/03 • Service Woes • 1 page

Given that we cannot read minds and cannot properly service your equipment if you give bad data, please help us. If you read your instruction manual, double- and triple-check your connections and follow our other advice, you can make life easy for yourself and your servicemen.

1987/04 • B&W "i" Loudspeakers • .5 pages

Mention of the 100i, 110i, 220i, and 330i improved loudspeakers and their sonic advancements.

1987/04 • B&W Videotape • .25 pages

Information on getting a videotape of the B&W factory and operation.

1987/04 • Dyna Pat-5 Jack Set • .5 pages

Announcement of a kit for high quality, PC card mounted Switchcraft RCA jacks. You can install the kit yourself or add it as an option to a preamplifier we rebuild.

1987/04 • Echo-Muffs • 1 page

Review of and information about Echo-Muffs, acoustic foam collars for your loudspeakers. They will help a boxy room and cost less than coating your listening room with Sonex.

1987/04 • Input Functions • 2 pages

Back to the basics of audio hookup. We cover phono and line level sources, discussing the differences between their functions and the various hook-up possibilities.

1987/04 • VHS Video Options • .5 pages

Dolby doesn't necessarily mean "hi-fi", and "hi-fi" doesn't necessarily mean stereo. It's a jungle out there - we've been through it.

1987/05 • Audio Magazine • 1 page

Get a hold of the June 1987 Audio and read Len Feldman's review of our Transcendence 250 amplifier. You'll like it.

1987/05 • Odds and Ends • 1.5 pages

We look ahead to the CES show, upcoming B&W speakers, DAT players, and the prospect of audio in Alaska.

1987/05 • Tape Monitor Switches • 1.5 pages

Another audio basic: once and for all we explain the operation of the tape monitor switch, that seemingly innocuous control that causes more trips to the service shop than you could imagine.

1987/05 • Tweeter Warning • 1.5 pages

Beware of the frequency sweep tracks on test CDs. They can blow your tweeters if improperly used.

1987/06 • CES Show (Summer) • 3 pages

Coverage of the 1987 Chicago CES Show including DAT players, Super VHS, CD-V, new B&W loudspeakers, Magnavox CD players, and Vanessa's Audio Basics debut.

1987/06 • DAT Copy Protection • 2 pages

The government stands to push audio back into the dark ages with the "anti-copy chip" legislation. Find out why the scheme is flawed and how it will ruin ALL audio sources.

1987/06 • Headphone Junction Box Project • 1 page

Instructions and sketch for a do-it-yourself headphone junction box. This box lets you properly drive your headphones off your amplifier and switch between speakers and headphone. We even give you the Radio Shack catalog numbers.

1987/07 • Alaska • .5 pages

Nothing to do with audio, just a bit of travelogue snuck in. Alaska is big, very big. So are the grizzly bears.

1987/07 • AVA Integrated Amplifiers • .5 pages

Notice of running improvements in our SCA-50 based integrated amplifiers including five way binding posts, better power supply decoupling, and optional Fet Three Plus technology.

1987/07 • B&W Concept 90 Loudspeakers • 1 page

Our review of the CM-1 and CM-2 loudspeakers with specifications. Hold on to your toes—these loudspeakers are outstanding.

1987/07 • Magnavox CDB465 CD Player • .25 pages

Initial investigations say that the 465 is useful with our circuits and has some nice creature comforts to boot.

1987/07 • Phase Inverter • .25 pages

Introduction of our AVA Phase Inverter based on Fet Three Plus technology. If you want to bridge mono, do it properly with our high definition circuits that install in your preamplifier.

1987/07 • Sennheiser Headphones • 1.5 pages

The Van Alstine teenagers evaluate 5 pairs of Sennheiser headphones. They run from very nice to "bletch," so be aware as you select a model.

1987/07 • Super Pas Two Power Supply • .5 pages

We have a new power supply for the Super Pas Two that is also available in kit form for both the stock Pas and the Super Pas rebuild project. This very stiff power supply makes the preamplifier quieter, clearer, and more dynamic.

1987/07 • Thorens TD 280 Turntable • .5 pages

We pass our findings on the nifty new Thorens turntable along to you.

1987/07 • Toshiba • .5 pages

In light of the fact that Toshiba is selling U.S. defense secrets to the Soviets, we suggest you BOYCOTT Toshiba products.

1987/08 • Troubleshooting • 5 pages

Some advice on maintaining and troubleshooting your audio system, including problems unique to CD players, CD cleaning techniques, pilot light types and failure modes, and fuse types and failure modes.

1987/08 • VCR Hook-Up Problems • .5 pages

Warning: your Cable TV signal can inject hum into your audio system if you aren't careful. We tell why and how to solve it.

1987/09 • CD Service School • 1.5 pages

We go to Magnavox's technical school and learn about the "service technician" mentality and the industry thoughts on service, as well as new techniques to service the CD players to serve you better.

1987/09 • Compact Disc Problems • 1 page

CDs are actually fragile and errors may occur where you may not expect them. Learn how to examine your discs for problems and how to protect them for a long playing life.

1987/09 • Digital Audio & Compact Disc Review • .5 pages

Frank Van Alstine, founder of AVA, wrote the guest editorial for the October 1987 edition of Digital Audio & Compact Disc Review magazine. Read his thoughts there on why all amplifiers don't sound the same.

1987/09 • Home Recording Rights Coalition • .3 pages

Some people out there care that the government is trying to legislate audio back to 1900, and they are trying to stop that. Help them save hi-fi.

1987/09 • Macintosh Computers • .5 pages

We have a new Mac SE and a new look now that we have finally found a computer system for publishing. We hope to find some art to add graphics to our publication.

1987/09 • Magnavox Multiple Disc CD Player • 1 page

Not all Magnavox CD players are Philips machines. At least one, the multiple disc unit, is a Pioneer. Warning: This CD player does not have Philips superior chip sets.

1987/09 • Q Notch Filters • .5 pages

What is Q and why are steep filters bad? We graphically demonstrate the problems with high Q filters.

1987/10 • Audio Technical Training • .8 pages

Is there anywhere the aspiring audiophile can go to get solid training in audio engineering? That's a tough question and there are many criteria to consider.

1987/10 • CBS Notch Filter • 1 page

More of the politics behind CBS's proposed anti-copy notch filter, the blocked DAT market, and the precedent of home VCR recording.

1987/10 • Minnesota Twins • .3 pages

Yippee—we won the World Series and the Twins did audio a favor by giving us a demonstration of 120 dB. Cover your ears and think if you really want 120 dB in your living room.

1987/10 • Troubleshooting - Fuses • 2 pages

Continuing the look at fuses begun in the Troubleshooting article of 08/87, we compare fast and slow blowing fuses, explore how fuses protect your system, and causes for fuse failure.

1987/11 • B&W CM-1 Loudspeakers • .5 pages

With our new graphics capabilities, we bring you a photo of the inside of a CM-1 enclosure so you can see the Matrix design cabinet.

1987/11 • CBS Politics • .25 pages

News brief: CBS sold its record division to Sony. The implications of this sale on the notch-filter controversy can be profound.

1987/11 • Compact Disc Reviews • 1 page

More CDs we have found to have both good production and good performances including more Telarc classical releases, GRP jazz, and DMP jazz. And yes, it is really true: The Best of Slim Whitman IS available on compact disc.

1987/11 • Digital Audio Sampling Rates • 1.5 pages

We go into the physics behind the 4x oversampling rates and the reasons the Philips original oversampling and filtering is superior to the Japanese imitation circuits.

1987/11 • Parts Sources • .5 pages

Some good sources of parts in small quantities for the audio hobbyist are listed with addresses and specialties.

1987/11 • Troubleshooting - Power amplifiers • 1 page

Know your audio cable. If the ground and hot on the standard RCA phono plug are not properly connected, your amplifier will hum. Thus, beware the open ground connection.

1987/12 • Pauline the Puma • .5 pages

Meet Pauline the Puma, our lovable chief inspector. She peeps in the port of every B&W 801 Matrix to insure that all is clear.

1987/12 • Stereophile • 1 page

A few comments about Stereophile's review of the B&W 801 Matrix Series Two Loudspeakers and the sonic differences between a string bass and a cello.

1987/12 • Troubleshooting - Flow Chart • 4 pages

Block diagrams of the typical system and a flowchart for isolating problems are sure to be a handy reference for any troubleshooting you need to do.

1988/01 • Ariston Q Deck • .75 pages

In our open letter to Ariston we note many flaws in the design and production of the Ariston Q Deck turntable that we find particularly concerning.

1988/01 • Bowers, John • .25 pages

A small eulogy for a creative and talented man who did much to improve our knowledge of audio and engineering design.

1988/01 • CES Show (Winter) • 2.5 pages

Report on the 1988 Winter CES Show in Las Vegas including the state of the long stalled DAT machines and glimpses of products from KEF, Fried, Telarc, Parsec, Carver and others. Also a report of the panel discussion Frank Van Alstine participated in.

1988/01 • Magnavox CDB470 CD Player • .25 pages

Avoid the 470. It's lack of the Philips digital filter chip set makes this an all-around inferior machine.

1988/01 • Mos-Fet 120C Amplifier • 1 page

Notice of the availability of several used chassis Mos-Fet 120C amplifiers along with digitized photos of the 120C circuit sets. Obsolete

1988/01 • Rockford-Fosgate • .25 pages

Rockford-Fosgate Company has purchased Hafler with promising future prospects.

1988/02 • Super Pas Three Power Supply Project • 14 pages

Complete instructions, parts lists, schematics and photos provided for a do-it-yourself project to greatly enhance the performance of your Super Pas or Super Pas Two preamplifier. This new power supply will bring your Super Pas to a level of performance very close to our current generation in-house Super Pas Three circuits.

1988/03 • Compact Disc Reviews • .75 pages

Reviews of some our readers' CDs including the Dixie Dregs, Leo Kottke, Ry Cooder, and more.

1988/03 • DAT Players • .5 pages

DAT machines are slowly becoming available in the U.S. Unfortunately, the Sony PCM 501ES is becoming harder to find as emphasis shifts to the DAT players.

1988/03 • Dyna St-70 Upgrade • 2 pages

This do-it-yourself project allows you to build your own replacement quad filter capacitor, thus providing your amplifier a much better power supply and getting better performance.

1988/03 • Mos-Fet D Series Amplifier • .75 pages

Introduction of our new D Series Amplifiers for the Dyna and Hafler chassis. The Mos-Fet 120D, 80D, 240D, 280D, 250D, 400D, 500D and CA-50 Control Amplifier are described along with our new generation circuit improvements.

1988/03 • Notch Filter • .5 pages

In a victory for all lovers of music, the National Bureau of Standards has decided that the proposed anti-copy notch filter noticeably distorts music.

1988/03 • Phase Inverter • .5 pages

Use our phase inverter board with just one amplifier to improve your system's power, imaging and dynamics.

1988/03 • Super Pas Three Power Supply Update • .5 pages

We fix a typo and suggest an alternate method of doing one instruction in this update to last month's project.

1988/04 • AVA CA-80 Integrated Amplifier • .5 pages

Introduction of our CA-80 control amplifier built in a Dyna SCA-80 or SCA-80Q chassis. As you can see from the digitized photo, this unit uses our Mos-Fet D series amplifier circuits and our Fet Three preamplifier cards.

1988/04 • B&W Loudspeaker Updates • 1 page

Report on the updates to the Matrix series of loudspeakers and perspective of these models to the rest of the B&W line, including the 100i series loudspeakers, the CM-1 and CM-2, and the DM1600 and DM1800.

1988/04 • Bi-Wiring • 2 pages

An audio basic look at the physics behind bi-wiring. How it works, what it does, and how to bi-wire your system are described in clear terms.

1988/04 • Car Radio Report • 1.5 pages

Another update in the quest for the ultimate car system. We examine the different sources available for car audio - audio cassette, FM, CD, and DAT - and consider useful features we would like to see in the future.

1988/05 • Apogee Settlement • .4 pages

News of Apogee's settlement with Magnapan concerning the "borrowing" of patented design ideas.

1988/05 • Consumer Satisfaction • .8 pages

What? Upset because your nifty car, computer, stereo equipment (whatever) is out of date? We know a sure way to never let this happen to you again. Yup.

1988/05 • Dyna Pas Preamp Hum • 2.5 pages

Causes of hum in the PAS preamplifier and a variety of ways to combat the problem, including a description of a grounding error in very early stock Pas-2 pieces. Also, we give complete instructions and digitized photos showing how you can hang the transformer behind the unit to significantly reduce hum.

1988/05 • Low Noise Operation • 1 page

Some advice on getting lower noise in your preamplifier. We explain how you can do it and why it works.

1988/05 • National LH0002CN • .7 pages

Only ten years behind the times, Walt Jung of the Audio Amateur "discovers" the National Hybrid LH0002CN device can be used in audio applications. Look at some of his other great "inventions."

1988/05 • Tandy Corporation "Thor" CD Player • .5 pages

In this news brief we examine the claims for the proposed "Thor" CD playback and recording system from Tandy Corporation.

1988/06 • Adcom GFA-555 • 1 page

Report on the Adcom GFA-555 amplifier. We examine its musical performance, check it out on our workbench, and comment on the mechanical and engineering design.

1988/06 • AVA CA-150 Plus Integrated Amplifier • 1 page

A good look (including a digitized photo of the inside) of our CA-150 Plus control amplifier. This hand built, high quality unit employs a custom toroid power transformer and makes 150 watts per channel.

1988/06 • Surge Protection • 4 pages

Another audio basic, in which we discuss AC line, surge protection, low line voltage problems, high line voltage problems, voltage spikes and more. This information will

help you better protect your home equipment from damage arising from power line abnormalities.

1988/07 • CD Player Model Differences • 1 pages

Buyer beware! The models of CD players available now include ones with no digital filtering, no oversampling, 18 times oversampling, and digital circuits in a separate box. Which models are the most useful and cost-effective for you?

1988/07 • Hafler Model 300 Loudspeakers • 2 pages

Initial comments and review of the new Hafler Model 300 loudspeakers. These very musical, well-made, and attractive (check out the photo) speakers are a credit to Hafler.

1988/07 • Hafler XL-600 Amplifier • 2 pages

Examination of the new, high current Hafler XL-600 amplifier and some advice on using any amplifier with a low impedance load (watch your fusing). We note the useful improvements of the XL-600 over the earlier DH-500.

1988/07 • Parsec LS-4 FM Antenna • .5 pages

Review of the Parsec indoor powered FM antenna and its uses for better FM reception.

1988/08 • Fet Kit Preamplifier Project • 12 pages

The complete Fet Kit preamplifier rebuild with step by step directions, schematic, parts list, board layouts, and chassis wiring diagrams. The directions are written for the Dynaco Pat-4 chassis specifically, but the boards fit into the Pat-5, the Crown IC-150 and the Hafler DH-101 and the project can be adapted to these chassis by experienced kit builders. Directions for these chassis will be written as demand dictates. A high end musical preamp at a bargain price. Boards and plans available separately, or as a complete do-it-yourself parts kit.

1988/08 • Transcendence Three Fet-Valve Introduction • 2 pages

Introduces the new AVA Fet-Valve preamp and power amp to the world and briefly describes the circuits and their sound (the sound of live).

1988/09 • Robert W. Fulton 1925-1988 • .5 pages

An eulogy for this extraordinary, kind, and talented audio designer who taught most of the high end community how to listen and built loudspeakers that were so musical to listen to.

1988/10 • Audiofest '88 • 1 page

Off to New Jersey for the highly advertised but underattended Audiofest 88. We show off the Fet-Valve products and impress many.

1988/10 • B&W Matrix 3 Series II speakers • page

B&W latest speakers are the perfect combination of several different previous models of their speakers, retaining the best qualities of each. Definitely what a great high end speaker should be.

1988/10 • CD Player Design • one page

The Magnavox CDB582 is the most cost effective CD player available at this time for our new circuits. Discussion of oversampling and bit-decoders on the CD player.

1988/10 • Seven Shiny Pennies vs. One Old Quarter • several pages

The problems with "marketing" revisited. Why can't producers tell the actual truth about the product? Is it easier to use magic and gimmicks than to make a good product?

1988/10 • Super Pas Three Rebuild-Kit • half-page

The new Pas Three Rebuild-Kit is available. The unit works well and received warm praise from John Atkinson at Stereophile.

1988/11 • Audio Basics Gets National Attention • half column

The "Seven Shiny Pennies" editorial turned some heads and got favorable comments. Even an interview on National Public Radio to explain the problems of marketing.

1988/11 • Compact Disc Reviews • half page

More favorite CD selections that we recommend you should have in your library.

1988/11 • New Longhorn Grado Z • half page

Our newest phono cartridge tracks better, is more dynamic and detailed, and is still inexpensive.

1988/11 • Room Damping • many pages

What to do when bad room characteristics distort the quality of music playback. Acoustifoam can help and other materials are discussed too. The foam damping material keeps irritating reflections of sound from destroying the pure quality of the music and "tames" any listening room when used and placed appropriately, and is reasonably priced. Also includes tips on what are necessary characteristics for a good listening room.

1988/12 • Akai bows out • one page

Akai decided that trying to make their products stand out was too much hassle, and decide to leave the US market.

1988/12 • Cambridge Audio • half page

Cambridge Audio dies out but is saved by Hi Fi Markets Plc. Cambridge Audio is no relation to Cambridge Soundworks

1988/12 • Dyna St-70 • one page

Rebirth of interest in the old St-70. Although the piece is getting old and tubes are difficult to find to replace, the St-70 still beats other low cost amplifiers because it has a wonderfully musical midrange.

1988/12 • Fet-Valve CD Player • half page

Our Fet-Valve CD player will attend the winter CES show in the hands of our friends at Swan's Speaker Systems.

1988/12 • Our Satisfaction Guarantee • half column

We offer a 100% satisfaction Guarantee and mean it. Only 2 Longhorn Grados were returned to us in all of 1988.

1988/12 • Stereophile Takes a Second look at Super Pas 3 • one page

Stereophile does a closer inspection of our Super Pas Three to check on all technical information. Another favorable review.

1989/01 • Got a Mac? • half column

If you have a Macintosh computer, we will give you a Hypercard stack of the completed AB index. Just send us a floppy disk.

1989/01 • Kyocera Electronics bows out • half column

Another Japanese company decides to get out of the US market. Now if only Toshiba would follow suit.

1989/01 • Panasonic and Price-Fixing • one page

Panasonic is offering small rebates on some equipment after being accused of "price fixing." We offer some views on the subject of price fixing and fair trade.

1989/01 • Read All the Instructions First! • half column

A cute story about what can happen when you don't read all of the instructions first before assembly your speaker stands.

1989/01 • Selector Switch Project • 5 pages

Complete diagrams and explanation on this do-it-yourself kit for the Selector Switch. Written for the Dyna Pas chassis, and the Dyna Pat-4, Pat-5, SCA-50 and SCA-80.

1989/02 • B&W 801 Matrix Series II vs. 802 Matrix • one page

Comparing and contrasting the two models of B&W loudspeakers shows the 802 to be nothing special and a disappointment in relation to the outstanding 801. As Senator Bentsen would say to Senator Quayle, "you ain't no 801!"

1989/02 • Doubts about FMX FM Noise Reduction • one page

New FMX FM broadcasting will probably increase noise and distortion rather than reduce it.

1989/02 • Neat Stuff from Radio Shack • 1 page

New fun products from Radio Shack. A CD to automobile cassette deck adaptor and a Universal Remote Control.

1989/02 • Our Patent is Issued. • .25 column

We got a US Patent for our Improved Forward Transimpedance Amplifier.

1989/02 • Panasonic • half column

Panasonic is still in some trouble over their price fixing problems. We had some more thoughts about the issue.

1989/02 • St-70 Upgrade coming soon • one column

Due to the rebirth of interest in the St-70, we will have some new improvements to make your St-70 even better yet!

1989/02 • Stereo Cost Cutters • 1 page

John Peterson, owner of SCC, talks about his ideas and philosophies regarding music equipment

1989/03 • Fet-Valve CD Player • .3 page

Our Fet-Valve CD Player will be at the April

Stereophile Show in care of our good friends, The Bocks.

1989/03 • Super 70 Construction Kit • 11 pages

Back by popular demand, all the drawings, instructions, and diagrams necessary for our much improved Super Seventy kit including a new mother board and new B+ and bias supplies.

1989/03 • Sutherland Hybrid Board didn't work for us • .3 page

Although built very well, the Sutherland St-70 replacement driver board gave us stability problems and sounded too "solid state."

1989/04 • High Fidelity in the Soviet Union • 4 pages

We take a 3 week vacation to the Soviet Union and Eastern European countries to discover that they are far beyond the Western cultures in terms of products and available of high fidelity equipment as compared to the western cultures. Many comparisons between our culture in terms of freedom, culture, art, and other important issues. Why can one film a performance of the Bolshoi Ballet with no problem and be kicked out of any theater in the US if you carry a camcorder?

1989/04 • Longhorn Grado Z • half page

Another improved Grado phono cartridge allows us to further upgrade our Longhorn rebuild and give you better music from disc than ever before, and still at just \$99.00.

1989/04 • Spectrum 108A Loudspeakers • one page

We sample a new brand of small loudspeaker and are pleasantly surprised by its quality. Good, full spectrum sound make these low-cost speakers a good affordable deal to anyone on a smaller budget.

1989/05 • Better Sounding Vacuum Tubes? • 4 pages

New tubes for the Super Pas Three make it sound better than ever before. What is a "better sounding" tube? A thorough engineering explanation tells why the tubes help so much.

1989/05 • Dahlquist LP1 Crossover Modification • 4 pages

We provide all the data, diagrams, and information so that you can build our famous LP1 crossover modification (strongly recommended in The Absolute Sound years ago) yourself. We don't build this in house any more so we have provided all the information you need, including suggestions from Dahlquist about upgrading the unit.

1989/06 • B&W Acoustitone Sub-Woofer • 1 page

If you want more bass, this Sub-Woofer is all you need to add to your B&W (or other) loudspeakers.

1989/06 • CD Changers • .4 page

New Philips technology for the six disc CD player. We can install this into the Magnavox CDB586. [1990 Note - after a year's field experience, we don't recommend the disc changer. It is not as reliable as the single play models and not as convenient to use].

1989/06 • High Definition TV • 4 pages

The newest thing at the CES show was the revelation of High Definition TV. The much sharper screen and over

quality of HDTV should eliminate all those mini-mall movie theaters all over the country. But there still are some problems that need to be resolved before HDTV can be utilized.

1989/07 • DAT Machines revisited • one page

To tape or not to tape. The jury is still out regarding the problem of Digital Audio Tape Recorders, but Philips is designing a new system that should make everyone happy and end the controversy. [1990 Note: it didn't].

1989/07 • Headphone Amplifier • half page

Our new Headphone amplifier board will fit the Pat-5, Pat-4, and DH-110 chassis, or can be completed as a separate component. either way, your headphones will be driven better than ever before.

1989/07 • Magic speaker wire revisited • 2 pages

R. A. Greiner reports in Audio magazine the true mathematic qualities of magic speaker wire, and the math wins. But we still have some points to raise about the concept of magic wire.

1989/07 • Super Seventy • 2 pages

The Super Seventy lives on. We keep the price of the rebuild kit to \$150 for AB subscribers. We are also working on new improvements to have the Seventy even better yet.

1989/08 • Audio magazine • half page

Part of the October, 1988 Audio Basics is reprinted in Audio magazine. The editorial on speaker wire and connection cables earns praise from many readers and the hate of the esoteric wire purveyors.

1989/08 • AVA Hybrid Phase Inverter • one page

We announce our new very high quality free standing phase inverter that allows the use of any pair of common ground amplifiers as dual mono bridged amplifiers at triple their rated stereo power and at lower distortion and better separation. Its a major asset in any high end system and is the lowest cost way to get very high power.

1989/08 • B&W Acoustitone Sub-Woofer • one page

We test the B&W sub-woofer in our sound lab and love it. Fills out the bass for most any B&W or other loudspeaker.

1989/08 • DAT Machine Accord Reached • half page

An agreement of what to do with the DAT machines has finally been reached. But severe limitations of the machine restrict its current usefulness. We advise you to wait a while before purchasing one.

1989/08 • St-70 Input and Output Jack Set Kit • one page

New input and output jack set kit is available for the St-70 with gold RCA jacks and heavy duty 5-way binding post output jacks.

1989/08 • St-70 Power Transformer • half column

We are still working on the new power transformer for the St-70.

1989/08 • Yellowstone fires. • half page

After visiting what remains of Yellowstone National Park, we can tell you that the fires have destroyed a good part of the beauty it once was. The government let the fire burn way too long, and sent in too little help too late.

1989/09 • Magnavox CDB582 CD player • half column

If you can not find the CDB582 model Magnavox CD player, we have a stock of them that you can purchase.

1989/09 • New B&W speakers • one page

B&W has introduced two new very low cost high fidelity loudspeaker to their collection. The V201 and the V202 offer the true B&W sonic performance and construction quality you expect.

1989/09 • St-70 Power Transformer • half page

The new power transformer is now available. It will help your St-70 run much cooler, eliminates the 5AR4 tube, can be wired for 220 volt operation, provides more power, and sounds better.

1989/09 • The Body Language of Bad Service. • 4 pages

Are you fed up with additional dealer mark-up at car dealers, inept counter workers who can not make change, and service workers who ignore your requests when you piece is repaired? We explore some ideas and reasons as to why the customer-service agency relationship is now at an all-time low. We offer four basic rules to help avoid unnecessary troubles.

1989/10 • Answering Reader's Questions • 5 pages

We answer some readers questions concerning absolute polarity, phase distortion, the St-70, headphone amplifiers, CD players, and more.

1989/11 • AVA Brokerage Service • one page

We announce the terms and conditions of our new Brokerage Service in which we help our clients re-sell older AVA equipment when they are buying new AVA equipment. Our service allows our clients to "trade-up" with maximum value retained in their old equipment and allows buyers to get our older equipment with an AVA warranty and the assurance that it meets our standards and is in solid working order.

1989/11 • Service Contracts • 2.5 pages

Are service contracts pure profit for the manufacturers and salesman or can they be of some use? We explore this little understand concept and other some ideas.

1989/12 • Acoustat Spectra 11 speakers • 3 pages

This new electrostatic speaker is a nice design, but has a small weakness in the bass section. Overall, they are very good speakers, but watch the height, they stand six feet tall!

1989/12 • B&W 801 Crossover Design Goof • four pages

We write to Stereophile documenting a design blunder in the B&W 801 Matrix crossover board layout. Two large inductors are positioned so that they interact magnetically and thus bass is dumped into the midrange speaker and midrange into the bass speaker. A minor do-it-yourself change to the crossover board greatly improves the sound quality of the speaker.

1990/01 • B&W 801 Matrix Crossover modifications. • 2 pages

We go into more engineering detail on the 801 crossover design and suggested upgrades, including graphs of the frequency response before and after the changes.

1990/01 • The Magic Cable Challenge. • 3 pages

We send out letters to many "magic cable" manufacturers to send us samples of their products to see if magic wire really does improve the sound of our system. We explain the conditions of the tests we will do to any samples received.

1990/01 • Troubleshooting revisited • 1.5 pages

After receiving too many customer's units for repair that actually had nothing wrong with them, we include our Troubleshooting flow chart to help your solve minor troubles in your system to avoid sending us pieces that are not necessarily broken.

1990/02 • Component Retrofit and Upgrade prices • 1 page

A complete list of which of our older equipment models can be updated to our newest series and what the upgrade costs are.

1990/02 • More on the 801 Crossover • 2 pages

We hear from Tom Lewitt of New Zealand regarding the 801 crossover blunders. He confirms our advise and suggests even more detailed refinements and supplies a photo of his version of the 801 crossover board.

1990/02 • Mos-Fet E Series Amp • 1 page

Our new affordable amplifiers with an increased power supply offer a wider dynamic range, deeper bass, and a clear faithfulness to the music. The New E circuits are available for the Mos-Fet 240E, 250E, 280E, 400E, 500E, and 600E.

1990/02 • Sound Ideas • one page

A writer who owns a piece of our equipment tells his audience about how the piece stood up to his accidental

mis-wiring. A day-brightening article for us.

1990/02 • Wire Challenge Update • 1.5 pages

The wire challenge has gone mostly unnoticed by many wire manufacturers, but we hope to get a few brands to test.

1990/03 • Acoustat Spectra 11 Upgrade • 2 pages

We still like the Spectra 11, but wanted to do something to help out the bass sound. So we took a Pyle Driver to them and purified the bass nicely!

1990/03 • Fet-Valve Amplifiers • one page

New improvements to the Fet-Valve 200 and Fet-Valve 400 has increased the power. The 200 is now the Fet-Valve 300 with 150 watts per channel. The 400 is now the Fet-Valve 500 with 250 watts per channel. We also introduce the new Fet-Valve 300i. Low cost upgrades (some free) are available.

1990/04 • Connoisseur Belts • .4 page

A reader informs of us of a supplier of belts to help keep his Connoisseur turntable running.

1990/04 • Don't put Poo Poo on Your CDs! • one page

The audioflakes are going wild suggesting new ways to "treat" your CDs to make them "sound better." We say "Don't do it!" and explain why the audioflakes are out of their minds once again.

1990/04 • Fet-3i Circuits • half column

Introducing the new Fet-3i Circuits for CD Player, AM/FM Tuner, and the Haffler DH-100

1990/04 • Motorola Engineers and the 801 • .4 page

Some Motorola engineers call us to confirm that B&W Matrix 801 crossover changes we suggested do improve speaker and flatten the frequency response.

1990/04 • Omega Series • 2.5 pages

Introducing the new Audio by Van Alstine Omega Series circuits – major low cost improvements for our solid state preamps, CD players, Tuners, and even a major upgrade for the Super Pas Three vacuum tube preamp. The best sounding affordable audio circuits yet!

1990/04 • Wire Challenge Continued • one page

We have received one brand of wire from one manufacturer, and that is all. We continue to wait to see what will be the outcome of the Great Wire Challenge.

1990/05 • Live Music is not Always the Best • one page

We attend the musical "Chess" at the Ordway Music Theater and are dismayed at the ways in which a musical can be destroyed! Wireless microphones and distortion generating boom-box PA speakers may please some people's ears, but not ours. We explain about the design of a music theater, and explain what went wrong at this performance.

1990/05 • Omega Circuits • half page

Further ideas and the concepts of the new improved Omega circuits.

1990/05 • Super Pas three Power Supply Upgrade • 1.5 pages

We also describe a simple do-it-yourself upgrade to the Super Pas Three to help reduce residual noise with some rewiring.

1990/05 • Super Seventy Power Supply Upgrade • 1 page

We include an instruction page to help you increase the voltage rating in your power supply to avoid power surges from shorting out your system.

1990/05 • Wire Challenge Concluded • 3 pages

After waiting several months, we received only one brand on speaker wire to test. The various tests and trials show that Kimber Kables do make that slight bit of difference to make our system sound a little bit better and clearer.

1990/06 • Acoustat 11 speakers • .75 page

Yet another do-it-yourself improvement for the Spectra 11 with no increase in price! A crossover resistor change

flattens the high frequency response and improves the balance of the speaker.

1990/06 • Live Music is Possible, if You Know Where to Look • 2 pages

Frank Jr. continues the quest to find a theater that allows the performers to "speak" for themselves instead of through distorting wireless microphones. This is possible, if you know which theaters to attend.

1990/06 • Parsec Wave Catcher • one page

The new passive Wave Catcher improves both AM and FM reception at low cost. It is an effective and inexpensive little antenna that can do wonders for your radio reception.

1990/07 • 6GH8A driver tubes for the St-70 • 4 pages

Complete do it yourself plans to convert your St-70 amp from the now discontinued 7199 driver tube to the inexpensive, available, and much better 6GH8A tube. We recommend you do it now and include these tubes at no extra cost in all Super Seventy kits sold now.

1990/07 • CD Storage System • .5 page

We find a great CD Storage System that fits in the same space as LP records.

1990/07 • Live Music, More Thoughts • 2 pages

Readers send us other editorials concerned with the "electrification" of live music.

1990/08 • Audio Basics Index 1982-1990 • 10 pages

A complete two part index of all Audio Basics issues from the first one published in January, 1982 through August, 1990. The first section is a condensed index sorted by topic name. The second part is sorted by issue date and contains a brief description of the topic.

1990/08 • No Phono Preamp isn't a good idea • 1 page

The pitfalls of buying a preamp without a phono stage. You might find its resale value is poor and that you gave away too much.

Frank and Darlene Van Alstine