Date	Issue	Description
26.04	301	Optical cartridge and MC cartridge compatible; 420A differential amplifier first stage + 396A SEPP output stage; dual-cartridge vacuum-tube preamplifier
26.01	300	Dual-cartridge preamplifier; compatible with optical cartridge and MC cartridge
25.10	299	421 A mid-power DC amplifier; 448A/C3g differential amplifier first stage; 421A SEPP output stage; 8-ohm load, maximum 12.5 W × 2. 421A continues to rise abnormally in price compared with the previous year, making it difficult to buy or use casually
25.07	298	6C33C-B high-power DC amplifier; 437A/C3g differential amplifier first stage; 6C33C-B SEPP output stage; 66 W × 2 into 8 ohms. The appearance of the 6C33C-B here is surprising, and the design appears quite demanding; probably not many people will be able to build it
25.04	297	396A-SCT4013DR hybrid high-power amplifier; 396A first stage; fourth-generation SiC MOS-FET output stage; Li-Po battery drive
25.01	296	6111-SCT4013DR hybrid mid-power amplifier; fourth-generation SiC MOS-FET output stage; subminiature tube 6111 first stage; Li-Po battery drive
24.10	295	Vacuum-tube DC preamplifier for the optical cartridge DS E1; vacuum-tube DC amplifier configuration; precision equalizer amplifier
24.07	294	6111-2SA649 hybrid mid-power amplifier; 6111 differential amplifier first stage; inverted-Darlington output stage; Li-Po battery drive hybrid. Seems like a detuned version of No.293; voltage input and fixed gain. Will voltage input become the main approach?
24.04	293	6111-2SA649 hybrid high-power amplifier; inverted-Darlington output stage; Li-Po battery drive hybrid; voltage input and fixed gain
23.12	292	Passive channel filter + FET buffer; fixed-gain power amplifier; Li-Po battery drive; multi-amplifier system. From this issue, MJ Radio & Experiment becomes a quarterly publication. Voltage input and fixed gain. The level-control function was removed from the -6 dB/oct passive channel filter and moved to the power-amplifier side
23.10	291	For optical cartridges DS E1 & DS 003; Li-Po battery power supply; Nutube hybrid preamplifier
23.09		Unusually, apparently a summer holiday this month?
23.07	290	6111 differential amplifier; 2SD218 Class-B push-pull output stage; Li-Po battery drive; 6111-2SD218 hybrid power amplifier; voltage input
23.05	289	Class-B 2SD218 parallel push-pull output stage; Li-Po battery drive; bipolar-transistor high-power amplifier
23.03	288	Vacuum-tube DC preamplifier for optical cartridge DS 003; vacuum-tube differential amplifier; precision equalizer. Instead of continuing No.287, whose second part left room for modifications, this optical-cartridge design was presented
23.02	287	USB & S/PDIF compatible Nutube hybrid line amplifier & headphone amplifier; battery drive; digital playback system with ROHM DAC
22.12	286	Preamplifier for optical cartridge DS-E1 (main); all-FET configuration; high-precision equalizer; battery drive (sub)
22.10	285	WE300B A1-class single-ended power amplifier; voltage input
22.08	284	421A vacuum-tube DC power amplifier; voltage input. 'Very tempting…'
22.06	283	8-ohm load 60 W × 2; 437A first stage; PNP-transistor cascode differential amplifier second stage; SEPP output stage; 6C33C-B vacuum-tube DC power amplifier; a memorable amplifier. No.140 was built four times among myself and friends; voltage input
22.04	282	Li-Po battery drive; 60 W × 2 into 8 ohms; 120 W × 2 into 4 ohms; SCT3030AR output stage; 417A & 6P1 hybrid high-power amplifier; voltage input
22.04	281	USB direct, optical & inputs; vacuum-tube line amplifier & headphone amplifier; USB & S/PDIF compatible vacuum-tube D/A converter [conclusion]

22.02	281	USB direct, optical & inputs; vacuum-tube line amplifier & headphone amplifier; USB & S/PDIF compatible vacuum-tube D/A converter
21.12	280	2SC959 SEPP output stage; battery drive; Nutube hybrid preamplifier & bipolar-Tr drive preamplifier
21.10	279	2SA606 differential amplifier second stage; 2SC959 emitter follower driver stage; four-terminal SiC MOS-FET output stage; battery drive; bipolar-Tr drive SiC MOS-FET power amplifier (main); voltage input
21.08	278	403A single-tube first stage; 396A SEPP output stage; battery-driven vacuum-tube preamplifier
21.06	277	404A, 417A, 396A first stages; four-terminal SiC MOS-FET output stage; battery drive; hybrid power amplifier; voltage input
21.04	276	FET & vacuum-tube DC microphone; DSD A/D converter; battery drive; balanced current-transmission DSD recording system
21.02	275	Nutube differential-amplifier input; four-terminal SiC MOS-FET output stage; battery drive; Nutube hybrid preamplifier & power amplifier. Voltage transmission is used between preamplifier and power amplifier. The power amplifier is a non-inverting type for the first time in a while and is a voltage-input type; voltage input
20.12	274	DSD & PCM playback; I2S data format; battery drive; USB D/A converter. The editorial department apparently objected: 'It is the first time the editorial department has even specified the circuit'
20.10	273	Vacuum-tube & FET DC microphone; multi-track recording A/D converter; hybrid balanced current-transmission recording system Mk2
20.08	272	FET differential amplifier DSC; subminiature-tube line IVC & headphone amplifier; subminiature-tube battery-driven D/A converter. The second part discusses how it is differentiated from voltage transmission. The line IVC circuit contains an error; method for modifying it for voltage input
20.06	271	ROHM SCT3030AR; high-power, 50 W × 2 into 8 ohms; latest four-terminal SiC MOS-FET battery-driven power IVC
20.04	270	Subminiature tubes 5702 and 6111; direct headphone drive; battery-driven MC preamplifier. Error in the line IVC circuit; same as No.272
20.02	269	110 W × 2 into 8 ohms; 150 W × 2 into 4 ohms; Nutube & subminiature tube + SiC MOS-FET hybrid configuration; battery-driven high-power IVC
19.12	268	IVC-type equalizer; current-mirror-type DSC; Nutube hybrid line IVC; battery drive; analog & digital playback system
19.10	267	SiC MOS-FET power IVC
19.08	266	Vacuum-tube DC microphone; ADC with serial recording function; hybrid balanced current-transmission recording system
19.06	265	6111 differential amplifier DSC; 6P1, 6111, SCT2H12NZ line amplifier & headphone amplifier; USB, optical cable and coaxial inputs; Nutube hybrid D/A converter
19.04	264	Nutube 6P1 differential amplifier first stage; subminiature-tube 6111 differential amplifier second stage; SiC MOS-FET output stage; Nutube hybrid MC preamplifier
19.02	263	Nutube 6P1 first stage; 6111 second stage; three-stage differential amplifier; SiC MOS-FET SCT3030AL output stage; AC-powered hybrid high-power power IVC
18.11	262	Nutube 6P1 first stage; SiC MOS-FET SCT3030AL output stage; three-stage differential amplifier; new SAOC; variable phase compensation; Nutube battery-driven hybrid power IVC Mk2
18.11	262	Same; Nutube battery-driven hybrid power IVC MK2I
18.10	261	Balanced-current drive of recording head; common use of DC microphone and IVC; simultaneous serial recording; analog balanced current-transmission recording/playback system. Duplicate No. noticed; missing numbers also conspicuous
18.10	261	No.261 runs over three issues, from 18.10 to 18.12, as first, middle and final parts
18.08	261	DC microphone and A/D converter shared; parallel-separated recording; digitization of analog sources; multifunction balanced current-transmission recording system

18.06	259	USB, OPT, COAX inputs; vacuum-tube current-mirror DSC; SEPP-output line IVC vacuum-tube D/A converter (main). No.260 was assigned to the second part, hence the next issue is 261
18.04	258	DC power amplifier driving two-phase AC motor; electronic braking by reverse drive; DP-5000 turntable control amplifier
18.02	257	Battery drive; all-semiconductor current-transmission preamplifier & SiC MOS-FET power IVC
17.12	256	Optical, USB and coaxial inputs; headphone amplifier; current output; battery-driven Nutube hybrid USB D/A converter. I had expected Nutube to be used in the DSC, but it was not
17.10	255	ECM balanced current-transmission DC recording system. This time it is described as a DC recording system, although there may be greater demand for a DAC
17.08	254	448A single-tube first stage; SiC MOSFET output stage; current transmission; 448A-SCT3030AL hybrid power IVC. According to the article, it is basically a voltage-input amplifier; the output voltage phase is inverted relative to the input voltage. Injecting NFB current from the output terminal into the input terminal makes the input impedance extremely low and transforms it into a current-input amplifier. Current-input amplifiers support current-transmission systems between the preamplifier or channel filter and the power IVC
17.06	253	Korg 6P1 first stage; nickel-metal hydride & lithium-ion battery power supply; SiC MOS-FET output stage; Nutube battery-driven hybrid power IVC
17.04	252	Korg 6P1 first stage; IVC-type equalizer; SiC MOS-FET headphone amplifier; NiH battery power supply; current-transmission Nutube hybrid preamplifier
17.02	251	IVC-type equalizer; built-in SiC MOS-FET headphone amplifier; voltage- and current-output capability (sub); double-arm compatible multifunction preamplifier (main)
16.12	250	Speed control + PLL phase control; SiC MOS-FET motor-drive amplifier; SiC SBD power supply (sub); DP-3000 turntable control amplifier
16.10	249	Single-tube drive input stage; single-supply drive stage; low-input-capacitance SiC MOS-FET source follower; third-generation SiC MOS-FET output stage (sub); power-supply-integrated hybrid power IVC (main)
16.08	248	Non-feedback IVC type; equalizer + current line amplifier; MC preamplifier. The July 2016 preview called it a revolutionary preamplifier
		"Expectation: something like No.239
16.06	247	Ultra-simple; 418A single-tube drive; 6C33C-B high-power IVC. It feels like a major amplifier has finally appeared; looking forward to seeing what will be done with it. The 2016-04-09 DC amplifier listening event was also expected to feature the 421A power IVC. The low-voltage type of No.239 may be unlikely
16.04	246	418A single-tube drive; SCT2450KE source-follower drive stage; latest SiC MOS-FET hybrid high-power IVC. Such high power is unnecessary, but interest lies in the sound and price of the new device
16.02	245	Battery power; ultra-high-sensitivity, ultra-powerful cable-driven DC microphone + A/D converter; balanced current-transmission DC recording system
15.12	244	Current-transmission preamplifier & D/A converter; SiC MOS-FET regulator & SiC SBD rectifier power supply; vacuum-tube analog & digital playback system. Nos.241–243 absent? The annual December issue in earlier lists is identified as 241
15.10	240	Low-input-capacitance SiC MOS-FET output stage; single-tube VIC + complementary common-base amplifier drive; SiC power supply; ultra-simple hybrid power IVC; 404A first stage
15.08	239	All-MOS-FET configuration; complementary common-base amplifier drive; SiC rectifier & regulator power supply; SCT2450KE; ultra-simple power IVC; SCT2450KE introduced; 2SK214 first stage
15.06	238	404A single tube & complementary common-base amplifier drive; super-hybrid power IVC using SiC devices

15.04	237	Complementary common-base amplifier; single-tube drive; all-SiC power supply; 6528A DC power IVC; WE421A compatible. Protection circuit changed to a method that stops the regulator; current input
15.02	236	Integrated current-transmission preamplifier and D/A converter; SiC power supply; pentode analog & digital playback system
		"No.236 extends over three issues
14.12	235	WE396A + SCTMU001F; battery-driven hybrid SiC MOS-FET power IVC
14.10	234	SiC MOS-FET motor-drive amplifier; SiC MOS-FET regulator; SiC SBD rectifier circuit; for Technics SP-10 Mk1 (sub); turntable control amplifier (main)
14.08	233	Grid-grounded amplifier; current input; no feedback; SiC SBD rectifier; SiC MOS-FET regulator; 300B A2-class single-ended power IVC
14.06	232	SiC regulator; super-hybrid configuration; 140 W × 2 into 8 ohms; 240 W × 2 into 4 ohms; high-power power IVC
14.04	231	Grid-grounded amplifier input; no-feedback power IVC; SiC SBD rectifier; SiC MOS-FET regulator; UV-211A A2-class single-ended power IVC
		"No.230 unusually extends over three issues as first
14.02	230	Music-dedicated SiC MOS-FET output stage; cathode-follower drive stage; regulator for output stage; SCTMU001F super-hybrid power IVC
13.12	229	Pure-current-mode analog section; current-input headphone IVC; powered by eight NiMH batteries; mobile multifunction digital playback system
13.10	228	Music-dedicated SiC MOS-FET; ROHM SCTMU001F; battery-driven power IVC
13.08	227	Current-transmission preamplifier and D/A converter; SiC MOS-FET regulator and SiC SBD rectifier power supply; vacuum-tube analog & digital playback system
13.06	226	Pentode differential amplifier + cathode-follower drive stage + SiC MOS-FET output stage; 60 W × 2 into 8 ohms; 100 W × 2 into 4 ohms; super-hybrid power IVC
13.04	225	All-FET configuration; 180 W × 2 into 8 ohms; 306 W × 2 into 4 ohms; SiC SBD rectifier power supply; SiC MOS-FET high-power IVC. The second part appeared in the following month, as with the entries below
13.03	224	Second part. The transformer is the TS-180, which I also used in the UHC power amplifier; since I have two of them, reuse is enjoyable. The article is for TS-180B, so the voltage is slightly different but within the acceptable range
13.02	224	First part. All-FET power IVC; SiC SBD rectifier power supply; integrated D/A converter; SiC MOS-FET power IVC
13.01	223	Second part
12.12	223	First part. Current-input 396A differential-amplifier first stage; separate SiC SBD rectifier power supply; multi-amplifier-system compatible; SiC MOS-FET hybrid power IVC
12.11	222	Second part
12.1	222	First part. Battery drive; current-input SiC MOS-FET & high-current MOS-FET power IVC
12.08	221	Current line amplifier; grid-grounded DSC; shunt-type level control; battery-driven vacuum-tube current-transmission analog & digital playback system
12.07	220	Second part
12.06	220	First part. Current-transmission DSC; current-transmission LPF; current-transmission level control, realizing a direct current-transmission system that requires no line amplifier; current-transmission D/A converter
12.05	219	Second part. I have not built the current-transmission power amplifier, so I cannot really comment
12.04	219	First part. Ultra-simple current buffer; current-transmission passive filter; current-input power IVC; current-transmission channel filter & current-input power amplifier
12.03	218	Second part. This was built too roughly, resulting in noise when the VR was at minimum

12.02	218	First part. Current transmission between pre- and power amplifiers; battery-driven ultra-simple latest preamplifier; current-output preamplifier & current-input power amplifier; current input introduced
		"I thought this would mean everything would use current input from then on
12.01	217	Second part. This was built as a monaural unit and became the best preamplifier so far
11.12	217	First part. All-inverting-amplification single-ended amplifier configuration; diode-rectifier power supply; vacuum-tube current-transmission preamplifier
11.11	216	Second part
11.10	216	First part. Battery drive and an ultra-simple configuration emphasizing practicality and ease of construction; vacuum-tube D/A converter
11.09	215	Second part. Another revolution in DC amplifiers; combined with the advantages of short-distance transmission and increased sonic freshness from fewer contacts, coupling capacitors are eliminated. Finally tempted to build it...
11.08	215	First part. Cartridge-shell-integrated V/I converter; equalizer I/V converter; battery-driven current-transmission preamplifier
11.07	214	Second part
11.06	214	First part. For Technics SP-10 and SP-10MK2; battery drive; turntable control amplifier
11.05	213	Second part
11.04	213	First part. Latest D/A converter; coupling-capacitor-less equalizer; ultra-multifunction analog & digital playback system
11.03	212	Second part
11.02	212	First part. Coupling-capacitor-less; latest AOC; B supply and heater supply shared; battery-driven vacuum-tube preamplifier
11.01	211	Second part
10.12	211	First part. All-pentode; power-transformerless; separate power supply; for a three-channel multi-amplifier system: 40KG6A power amplifier
10.10	210	Compatible with MC and DAC inputs; flat amplifier with headphone output; ultra-simple; very high cost performance; battery-driven multifunction DC preamplifier
10.09	209	Second part
10.08	209	First part. Rechargeable battery power supply; ultra-simple circuit; 14 W × 2 into 8 ohms; 25 W × 2 into 4 ohms; battery-driven DC power amplifier
10.07	208	Second part. Another revolution in DC amplifiers; contributes to cost reduction, and the sound may be transparent because there is no added coloration from capacitors
10.06	208	First part. Coupling-capacitor-less; power-transformerless; ultra-simple; very high cost performance; hybrid DC preamplifier
10.05	207	Second part
10.04	207	First part. All-pentode; power-transformerless; ultra-simple and very high cost performance; 40KG6A DC power amplifier
10.03	206	Second part
10.02	206	First part. D/A converter + built-in headphone/line amplifier; battery drive; multifunction digital playback system
10.01	205	Second part
09.12	205	First part. All-717A direct wiring; 274B × 2 rectifier power supply; LP/CD-compatible preamplifier
09.10	204	Gain-control inverting amplifier; battery powered; two types: Darlington output stage and inverted-Darlington output stage; DC headphone amplifier
09.10	203	Second part
09.09	203	First part. Fully symmetrical motor-drive amplifier; fully discrete configuration; AC-power-only; for Technics SP-10 Mk1; turntable control amplifier

9.08	202	Second part
9.07	202	First part. Subminiature pentode 5702 in the differential-amplifier first stage; 2SB541 output stage; hybrid power amplifier; V19E introduced
9.06	201	Second part
9.05	201	First part. Power-transformerless; 15 W × 2 into 8 ohms; 9 W × 2 into 4 ohms; 6C19P × 4 parallel SEPP; DC power amplifier; 2SC2240 introduced
9.03	200	Second part. Incidentally, No.100 was the cassette recording/playback system; perhaps a milestone related to recording and playback?
9.02	200	First part. A/D converter with 24-bit/96-kHz support and S/PDIF output; built-in battery for high mobility. The 200th issue is an A/D converter. There was a song called 'A bar out of date'. The changes of the times are frightening. 2SC959 and 2SA606 appear in the analog section
8.12	199	Second part
8.11	199	First part. Vacuum-tube D/A converter; bipolar zero canceller; +3.3 V discrete power supply. Finally a vacuum-tube version appears. PCM1794 and CS8416 continue; tubes are 2C51 and 396A
8.1	198	Second part
8.09	198	First part. Record playback system; control amplifier and phono EQ built into the player board; fully symmetrical motor-drive amplifier; using Technics SL-1100
8.07	197	Second part
8.06	197	First part. Hybrid DC power amplifier; subminiature pentode first stage + PNP-Tr Darlington output stage; 196 W into 4 ohms; first stage is 5702; output stage 2SB541; transformer TS180B (2)
8.03	196	Second part
8.03	196	First part. D/A converter; makes full use of the differential output of Burr-Brown PCM1794; from the I/V converter onward, configured with the latest DC amplifier. Finally it has appeared; even as an analog enthusiast I am tempted
8.02	195	Second part. WE717A... I expected it to turn expensive, and sure enough it did
8.01	195	First part. Hybrid DC power amplifier; WE717A first stage; 2SK2554 output stage; 200 W × 2 into 2 ohms
		Even if the coupling capacitor blows up, use an SE capacitor
7.11	194	Second part. Good news for those who cannot do without CD sources; an easy modification that even a vinyl-only listener would like to try. Truly a Columbus's-egg idea!! SE capacitors make a comeback?
7.1	194	First part. MC/CD-compatible vacuum-tube preamplifier; line amplifier switchable between inverting and non-inverting amplification to select the input signal
7.08	193	Second part
7.07	193	First part. WE421A, 6C19P vacuum-tube DC power amplifier; variable-gain amplifier; socketless construction to make maximum use of the output tube's capability
7.05	192	Second part. I liked this power section so much that I built three units. Still building more
7.04	192	First part. All-FET integrated amplifier; variable-gain inverting amplifier; independent headphone amplifier built in
07.02	191	Construction section
07.01	191	Design section. GM-70pp power amplifier; 6L6-GC triode-connected cathode-follower drive; AB2-class 100 W. I am not very fond of transformer-output amplifiers
06.11	190	Hybrid power amplifier; WE435A first stage; bipolar output stage 2SD218, 2SD388; 128 W × 2 into 8 ohms; 210 W × 2 into 4 ohms
06.04	189	Second part. I secured the uniquely shaped WE717A. Trying the 2SC959 I have on hand would not be a bad idea
06.09	189	First part. CD line amplifier; continuously variable-gain inverting amplifier; semiconductor and vacuum-tube versions presented simultaneously; 2SA606, 2SC959, WE717A

06.07	188	Bipolar-Tr power amplifier; 2SD388 two-parallel output stage; 180 W into 8 ohms; 306 W into 4 ohms; transparency and naturalness of sound not obtained with previous bipolar-Tr power amplifiers
06.04	187	Vacuum-tube DC preamplifier; WE403A/B; socketless direct wiring. Dramatic improvement in sound quality over No.184; easier-to-obtain tube introduced; further improvement in power-supply rejection in the FA section; SE0.1 changed to mica type made by Toichi Electric
06.02	186	Bipolar-Tr output-stage DC power amplifier; 72 W into 8 ohms; tubes in the rectifier and regulator circuits directly wired; elimination of contacts; even dissonant sounds are elegant and beautiful
05.12	185	DC power amplifier with 232 W output into 4 ohms; PNP-transistor inverted-Darlington output stage; 2SB541 (MJ2955) broadens the possibilities of bipolar Tr
05.08	184	Vacuum-tube DC preamplifier; WE403A and 384A wired by soldering without sockets. Is 384A a UFO? Vacuum tubes inherently have good characteristics
05.06	183	Bipolar-transistor high-power amplifier; emitter-follower drive; 144 W into 8 ohms, 256 W into 4 ohms; parallel 2N3055. Even the shaking of the floor is music
05.04	182	EL156 with OPT; DC-amplifier-style power amplifier; pentode differential amplifier + constant-current circuit drive; AB1-class push-pull output, 112 W. EL156 was used for cutter amplifiers; velvet-like...
05.02	181	Hybrid DC power amplifier; WE435A differential amplifier first stage; bipolar Tr output stage; 121 W into 8 ohms. Sound is close to 421A; 435A has beam-tube-like characteristics
		2006-01-08: Kosuda reported that the 6.8 kΩ resistor following VR2 was too large and prevented Io from flowing in the final stage. Trial and error showed that 4.7 kΩ is in the appropriate range
04.12	180	High-current MOS-FET power amplifier; bipolar-Tr drive; 231 W into 2 ohms. C959 is desirable for the driver; 2554; extremely wide dynamic range
04.10	179	Turntable control amplifier; all-IC configuration; compatible with AC power; for Technics SL-1100. Despite being all-IC, it is extremely suitable for music reproduction
04.06	178	Hybrid DC power amplifier; low-impedance drive; high output achieved with parallel push-pull bipolar-Tr output stage; 127 W into 4 ohms, 181 W into 2 ohms; bass is bouncy
04.04	177	WE421A, 6336B DC power amplifier; separate power supply; compatible with three-way multi-amplifier systems. 421A has distinctive musical expression, refined and glossy; 6336B has a sharp response
04.02	176	Hybrid DC power amplifier; subminiature pentode in differential first-stage circuit; bipolar transistor output stage; 66 W into 8 ohms, 103 W into 4 ohms; power-cutoff protection circuit
03.12	175	Vacuum-tube DC preamplifier; all-subminiature vacuum-tube configuration; amplifier circuitry mounted on a single circuit board
03.10	174	Bipolar-transistor DC power amplifier; integrated power supply; compatible with multi-amplifier use; power-supply section
03.06	173	6C33C-B 34 W DC power amplifier; WE 418A high-gain differential amplifier using a tetrode. I (ph7) like No.144 because it is simple; the sound of the 6C33C-B comes through properly...
03.05	172	Same as above [construction section]. Astonishingly fresh and deeply enjoyable sound
03.04	172	5702 + high-current MOS-FET hybrid power amplifier; AOC + current-cutoff high-speed electronic protection circuit; [design section]
03.02	171	Turntable control amplifier; for Technics SL-1200MK3D; unexpectedly low-cost turntable with readily available ICs produces an overflowing amount of sound
02.12	170	Hybrid MC preamplifier, CD line amplifier; FETs used in first and second stages, vacuum tube in output stage; EQ 5702, FA 5703; hybrid effect is clearly audible
02.08	169	6C33C-B hybrid power amplifier; 38 W × 2 into 8 ohms; electronic protection circuit
02.06	168	MC preamplifier, CD line amplifier; FET + bipolar transistor; independent power supply
02.04	167	High-current MOS-FET power amplifier; open-loop fc 94 kHz; power-cutoff protection circuit

02.02	166	Vacuum-tube DC preamplifier; all-WE tubes; automatic offset-voltage adjustment circuit
01.12	165	WE421A parallel push-pull DC power amplifier; 7 W into 8 ohms; separate power supply; speaker protection circuit & automatic offset-voltage adjustment circuit
01.09	164	High-current MOS-FET power amplifier; 2SK2554; 105 W into 4 ohms; 63 W into 8 ohms; separate power supply with speaker protection circuit
01.06	163	High-current MOS-FET power amplifier; 2SK2554; 165 W into 2 ohms; 105 W into 4 ohms; 60 W into 8 ohms; integrated power supply
01.03	162	4D32 push-pull power amplifier; AB2-class, 136 W
00.12	161	300B SEEP DC power amplifier; 36 W into 8, 4 and 2 ohms
00.09	160	Differential-output UHC2 MOS-FET power amplifier; 306 W into 4 ohms; 190 W into 8 ohms; integrated power supply
00.06	159	All-FET integrated amplifier; 100 W into 4 ohms; separate power supply
00.03	158	UHC2 MOS-FET power amplifier; 120 W into 4 ohms; 66 W into 8 ohms; separate power supply
99.12	157	Vacuum-tube DC preamplifier; EF86, ECC81, ECC82; stereo. Basic form of No.166; I (ph7) use this one
99.09	156	UHC2 MOS-FET hybrid DC power amplifier; 6112; 66 W into 8 ohms; separate power supply
99.06	155	UHC2 MOS-FET DC power amplifier; 110 W into 2 ohms; 64 W into 4 ohms; 36 W into 8 ohms; separate power supply
99.05	154	Vacuum-tube DC preamplifier; WE310A; mono
99.03	153	Vacuum-tube DC power amplifier; 6336B / 25 W into 8 ohms; 421A / 7 W into 8 ohms
98.12	152	Hybrid power amplifier; UHC2 MOS-FET power amplifier; 70 W into 8 ohms; separate power supply
98.09	151	Vacuum-tube DC microphone; simple design with two pentodes; 5702
98.06	150	Vacuum-tube DC preamplifier; EF86, WE420A, ECC82; stereo
98.03	149	Hybrid power amplifier; UHC2 MOS-FET power amplifier; 57 W into 8 ohms; separate power supply
97.12	148	UHC MOS-FET power amplifier; 110 W into 2 ohms; 64 W into 4 ohms; 36 W into 8 ohms; integrated power supply
97.09	147	UHC MOS-FET power amplifier; 52 W into 8 ohms; separate power supply
97.06	146	Vacuum-tube DC power amplifier; 6C19P / 8 W into 8 ohms; 6C33C-B / 42 W into 8 ohms
97.03	145	Vacuum-tube DC preamplifier; EF86 stereo
96.12	144	UHC MOS-FET DC power amplifier; Class-B 50 W × 2 into 8 ohms; separate power supply
96.09	143	UHC MOS-FET DC power amplifier; low-load-impedance capable; Class-AB 115 W into 4 ohms; 69 W into 8 ohms
96.06	142	UHC MOS-FET DC power amplifier; Class-AB 70 W + 70 W; fully symmetrical
96.03	141	Hybrid DC preamplifier; vacuum tube + bipolar TR; super-straight type
95.12	140	Hybrid DC power amplifier; FET + 6C33C-B vacuum tube
95.09	139	Ultra-simple fully symmetrical DC power amplifier; (2N3055) MFB control; Class-B 100 W
95.06	128	Fully symmetrical preamplifier; number of semiconductor devices greatly reduced; AC power supply
95.04	127	Battery-driven all-FET fully symmetrical power amplifier with variable output impedance
95.03	126	DC power amplifier with variable output impedance; Class-A 30 W / Class-AB 45 W
94.12	125	Power-transformerless 6C33C-B DC power amplifier; 45 W into 4 ohms; 63 W into 8 ohms; 81 W into 16 ohms
94.11		Theory and experiments of the fully symmetrical amplifier
94.09	134	Symmetrical collector-output DC power amplifier; Class-A 50 W / Class-AB 130 W
94.08		Waveform observations of the fully symmetrical DC power amplifier
94.08		Misconceptions about symmetrical circuits and their explanation
94.06	133	All-FET fully symmetrical drain-output DC power amplifier; Class-A 50 W / Class-AB 120 W
94.04		Special feature: DC-amplifier-style 300B power amplifier

94.03	132	Vacuum-tube–FET hybrid DC preamplifier
93.12	131	6C33C-B vacuum-tube DC power amplifier; 38 W / 8 ohms; 52 W / 16 ohms; 2 channels
93.09	130	All-FET DC power amplifier with drain-follower output stage
93.06	129	All-FET DC microphone
93.03	128	All-FET universal-type super-straight integrated amplifier
92.12	137	All-FET 3-channel power amplifier with built-in channel filters
92.09	136	All-FET super-straight integrated amplifier
92.06	135	All-FET power amplifier
92.03	124	Design and construction of a turntable control amplifier
91.12	123	Ultra-simple DC power amplifier; regulator eliminated
91.09	122	Design and construction of an all-FET super-straight preamplifier
92.09	136	All-FET super-straight integrated amplifier
91.12	123	Ultra-simple DC power amplifier; regulator eliminated
91.06	121	Super-straight preamplifier; preamplifier using metal-can Tr
91.03	120	Differential-output DC power amplifier; 36 W D.O.F.A.; fully symmetrical operation
90.12	119	Design and construction of a vacuum-tube DC preamplifier; vacuum-tube tape-playback preamplifier & MC-only preamplifier
90.09	118	Hybrid-type DC power amplifier
90.08	117	Vacuum-tube DC straight preamplifier (2)
90.07	117	Vacuum-tube DC straight preamplifier (1)
90.06	116	Super-straight preamplifier
90.04	115	Super-straight integrated amplifier
90.02	114	Straight DC preamplifier
89.12	113	Channel power amplifier; feedback-type current mirror
89.10	112	Record playback system
89.09	111	Cassette recording system (2)
89.08	111	Cassette recording system (1)
89.07	110	Evolved playback system (2)
89.06	110	Evolved playback system (1)
89.04	109	92 W battery-driven DC power amplifier
89.02	108	Motor control amplifier for Technics SP-10MK2
88.11	107	DC preamplifier; battery drive; ultra-high-speed push-pull regulator; INE
88.10	106	35 W 6-channel battery-type DC power amplifier
88.08	105	Battery-powered 10 W 3-channel stereo power amplifier
88.06	104	Tape playback system
88.05	103	30 W integrated amplifier (2)
88.04	103	30 W integrated amplifier (1)
88.03	102	Channel power amplifier (2)
88.02	102	Channel power amplifier (1)
88?	101	?
88.01	100	Cassette recording/playback system (2)
87.12	100	Cassette recording/playback system (1)
87.10	99	6-channel DC power amplifier (9 W × 4, 34 W × 2)
87.08	98	All-battery-driven 32 W DC integrated amplifier
87.06	97	All-battery high-power amplifier (29 W × 4 channels, 78 W × 2 channels)
87.04	96	90 W 4-channel, 100 W 2-channel, 180 W (4 ohms) 2-channel Class-AB DC power amplifier
87.02	95	Motor control amplifier for Technics SP-10MK2
86.12	94	One-point DC microphone

86.11	93	All-DC-amplifier-controlled three-motor tape deck (2)
86.10	93	All-DC-amplifier-controlled three-motor tape deck (1)
86.08	92	Battery-powered multifunction preamplifier
86.06	91	Integrated amplifier using battery drive
86.04	90	Battery-powered DC power amplifier (11 W × 2, 8 W × 4)
86.02	89	Servo amplifier study; SP-10, SP-10MK3
85.12	88	Class-AB 90 W × 4 GOA DC power amplifier
85.10	87	Robot-type DC microphone
85.08	86	DC preamplifier
85.06	85	DC preamplifier
85.04	84	Class-AB 240 W GOA DC power amplifier
85.02	83	Class-AB 280 W DOA DC power amplifier
84.12	82	DC preamplifier using a newly developed regulator
84.10	81	BTL Class-AB DOA (differential output) 190 W power amplifier study
84.08	80	Servo amplifier study modeled on the Yamaha GT-2000
84.05	79	DC preamplifier
84.02	78	Class-A 20 W, Class-AB 20 W/80 W stereo DC power amplifier
83.11	77	Straight-type DC preamplifier
83.10	76	DC microphone amplifier
83.07	75	MC-only preamplifier
83.06	74	DC recording amplifier and microphone amplifier
83.05	73	Motor control system
83.04	72	DC recording/playback amplifier for cassette
83.02	71	DC microphone amplifier using an op amp
83.01	70	Tape playback amplifier
82.12	69	DC preamplifier using the latest ultra-high-speed switching regulator
82.11	68	DC recording amplifier and DC microphone
82.08	67	Three-power-supply evolutionary DC preamplifier
82.07	66	Class-AB 180 W DC power amplifier
82.06	65	Class-AB 100 W DC power amplifier
82.05	64	DC recording amplifier for open-reel decks with differential bias circuit
82.04	63	DC microphone for AKG and Schoeps
82.03	62	DC recording amplifier for cassette decks
82.02	61	DC playback amplifier for cassette decks
82.01	60	Class-AB 100 W DC power amplifier
81.12	59	Power-supply preamplifier with 588 kHz switching frequency
81.11	58	Switching-power-supply recording amplifier
81.10	57	Switching-power-supply preamplifier
81.09	56	Battery-powered amplifier with Darlington stage
81.08	55	Battery-powered DC preamplifier
81.07	54	DC condenser microphone (for MK-4, CK-1)
81.06	53	Class-AB 100 W DC power amplifier
81.04	52	6 dB/oct channel filter
81.03	51	Class-A 30 W DC power amplifier
81.02	50	Class-AB 140 W DC power amplifier
81.01	49	Class-AB 180 W DC power amplifier
80.12	48	Class-A 50 W DC power amplifier
80.10	47	Battery-powered DC recording/playback amplifier with high-speed switching power supply

80.09	46	DC preamplifier using an ultra-high-speed power supply
80.07	45	Stereo DC microphone
80.06	44	DC preamplifier dedicated to tape playback
80.06	44	DC preamplifier dedicated to MC cartridge
80.05	43	DC recording amplifier for permalloy heads
80.04	42	DC recording amplifier for cassette decks — circuit diagram of a DC microphone
80.03	41	DC recording-only amplifier (for Revox & TEAC)
80.01	40	MC head amplifier using battery power
79.12	39	Universal DC preamplifier
79.11	38	Class-AB 140 W DC power amplifier
79.10	37	Low-cost DC preamplifier
79.08	36	MC-only DC integrated amplifier
79.06	35	MC head amplifier
79.04	33	DC recording amplifier for Stella Box (3)
79.02	33	DC recording amplifier for Stella Box (2)
79.01	34	6-channel DC mixing amplifier
78.12	33	DC recording amplifier for Stella Box (1)
78.11	32	Condenser microphone amplifier for Schoeps MK4
78.10	31	Tape recording/playback amplifier for Scully 280B
78.09	30	DC microphone amplifier for condenser microphones
78.07	29	Tape recording/playback amplifier (3)
78.06	29	Tape recording/playback amplifier (2)
78.05	29	Tape recording/playback amplifier (1)
78.03	28	Class-AB 180 W DC power amplifier (Fujitsu RET 2SA1002-C2322)
78.01	27	DC preamplifier and DC channel divider
77.12	26	MOS-FET (K134, J49) Class-AB 150 W DC power amplifier (2)
77.11	26	MOS-FET (K134, J49) Class-AB 150 W DC power amplifier (1)
77.06	25	Class-AB 80 W DC power amplifier (2)
77.05	25	Class-AB 80 W DC power amplifier (1)
77.02	24	Class-AB 120 W DC power amplifier (2)
77.01	24	Class-AB 120 W DC power amplifier (1)
76.12	23	Class-B 150 W DC power amplifier (2)
76.11	23	Class-B 150 W DC power amplifier (1)
76.09	22	DC preamplifier (2)
76.08	22	DC preamplifier (1)
76.07	21	Class-AB 150 W DC power amplifier (2)
76.06	21	Class-AB 150 W DC power amplifier (1)
76.05	20	Class-AB 30 W DC power amplifier (2)
76.04	20	Class-AB 30 W DC power amplifier (1)
76.03	19	3-way channel filter (2)
76.02	19	3-way channel filter (1)
76.01	18	Class-AB 240 W DC power amplifier (2)
75.12	18	Class-AB 240 W DC power amplifier (1)
75.11	17	DC preamplifier (dual FET 2N3954 used) (2)
75.10	17	DC preamplifier (dual FET 2N3954 used) (1)
75.09	16	V-FET DC power amplifier (2)
75.08	16	V-FET DC power amplifier (1)
75.07	15	V-FET Class-AB 120 W DC power amplifier (2)

75.06	15	V-FET Class-AB 120 W DC power amplifier (1)
75.03	14	New DC preamplifier
75.01	13	Class-A 70 W DC power amplifier (2)
74.12	13	Class-A 70 W DC power amplifier (1)
74.11	12	Class-A 15 W DC power amplifier
74.09	11	DC preamplifier
74.08	10	All-FET Class-B 100 W DC power amplifier
74.07	8	8-channel DC mixing amplifier (2)
74.06	7	4-channel divider amplifier (2)
74.06	9	V-FET Class-A 50 W DC power amplifier
74.03	8	8-channel DC mixing amplifier (1)
74.03	6	DC preamplifier (2)
74.03	5	Class-A 30 W DC power amplifier (2)
74.02	7	4-channel divider amplifier (1)
74.01	6	DC preamplifier (1)
74.01	5	Class-A 30 W DC power amplifier (1)
73.12	4	On protection circuits for DC amplifiers
73.11	3	Class-A 50 W DC power amplifier (2)
73.10	3	Class-A 50 W DC power amplifier (1)
73.09	2	DC preamplifier (2)
73.08	2	DC preamplifier (1)
73.08	1	Class-B push-pull, no-feedback DC power amplifier (2)
73.07	1	Class-B push-pull, no-feedback DC power amplifier (1)