



Research & Development

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1960s	Author(s)	Title
RD 1960/3	P. Knight, G.D. Monteath	The power gain of multi-tiered VHF transmitters aeriels.
RD 1960/7	W. Wharton, R.E. Davies	T-type coaxial notch filters for use at VHF.
RD 1960/13	P. Knight, R.E. Davies	Tables of horizontal radiation patterns of dipoles mounted on cylinders.
RD 1960/14	T.W. Bennington	Variations in the tropical sunset fading effect over the UK/Singapore and UK/Johannesburg broadcast circuits.
RD 1960/16	H. Page, J.A. Fox	Band II receiving aerial for a motor car.
RD 1960/20	A.V. Lord	Standards conversion in Germany (1959).
RD 1960/23	H. Page, G.J. Phillips, J.A. Fox	Analogue computer for aerial radiation patterns.
RD 1960/27	G.F. Newell, W.K.E. Geddes	Fourier transform generator.
RD 1960/30	D.W. Taplin, K.H. Green, S.J. Ashdown, I. Rhodes, J.W. Stark	Long distance overland tropospheric propagation measurements at 495 and 560 Mc/s.
RD 1961/1	E.R. Wigan	A method of assessing the acceptability of stereophonic systems
RD 1961/8	D.E. Susans	Power measurement in the frequency range 30-1000 Mc/s.
RD 1961/10	D.E.L. Shorter	Operational research on studio techniques in stereophony
RD 1961/15	P. Knight	Selection of the optimum HF curtain array for a given transmission path.
RD 1962/1	G.F. Newell, W.K.E. Geddes	Tests of three systems of bandwidth compression of television signals.
RD 1962/31	A.V. Lord, E.R. Rout	Outline of synchronous standards conversion using a delay-line interpolator.
RD 1962/32	D. Howorth	Experimental vertical aperture corrector.
RD 1962/37	H. Page, P. Knight	Symposium of electromagnetic theory and antennas, Copenhagen, 25th - 30th June 1962.
RD 1962/47	A.N. Burd	Study of absorption measurements by the reverberation method.
RD 1963/1	D.E.L. Shorter	Influence of loudspeaker directivity and orientation on the effective audience area in two-channel stereophonic reproduction.
RD 1963/7	H. Page, D.E. Todd	Experiment in colour television transmission to the USA by Telstar satellite.
RD 1963/16	D. Howorth	Method of calibration of an experimental vertical aperture corrector.
RD 1963/22	P. Knight, H. Page	UHF planning: the degradation of existing services caused by the erection of a new mast at an existing transmitter site.
RD 1963/26	P. Knight, R.E. Davies, R.G. Manton	Vertical radiation patterns of high-frequency curtain arrays on plateau sites.
RD 1963/27	H. Page	An introduction to the theory of aeriels
RD 1963/33	D.J. Whythe, P. Knight, K.W.T. Hughes, J.R. Chew	Performance of high-frequency arrays when radiating through other arrays.
RD 1963/40	D.W. Taplin	Long distance tropospheric propagation measurements over the North Sea at 560 Mc/s.
RD 1963/52	T. Somerville, C.L.S. Gilford	Tonal quality in concert halls.
RD 1963/64	V.G. Devereux	Line-store standards conversion: The subjective effect of certain switch and store imperfections.
RD 1964/3	G.J. Phillips, P. Knight	Effects of polarization on a medium-frequency sky-wave service, including the case of multi-hop paths.
RD 1964/5	F.A. Bellis	Simulation of line-store standards conversion without interpolation.
RD 1964/6	E.R. Rout, W.K.E. Geddes	Switching and storage in line-store standards converters which utilize line-delay interpolation.
RD 1964/7	A.N. Burd	Effect of fabric coverings on the sound absorption of porous materials.
RD 1964/13	A.H. Jones	Line-store standards conversion: The subjective determination of the necessary number of stores.
RD 1964/20	P. Knight	Considerations affecting the aperture and beam-tilt of UHF transmitting aeriels
RD 1964/40	C.L.S. Gilford	Choice and location of sound absorbers for the reduction of noise.

RD 1964/41	G. Edmondson	UHF harmonic radiation from the VHF aerials of television receivers
RD 1964/49	A.H. Jones, S.J. Lent, C.R.G. Reed	Image-transfer standards conversion: Modulation due to a difference between field frequencies.
RD 1964/55	S.N. Watson, R.D.A. Maurice	Ultrasonic delay lines for millisecond delays.
RD 1964/58	A.V. Lord, E.R. Rout	Review of television standards conversion.
RD 1964/65	W. Wharton, E.R. Rout, R.E. Davies	Field-store converter using ultrasonic delays as the storage medium.
RD 1964/67	D.E.L. Shorter, H.D. Harwood, W.I. Manson	Stereophony: the effect of differences between the amplitude / frequency characteristics of left and right channels
RD 1964/68	T. Somerville, C.L.S. Gilford	Reflectors in concert halls and orchestral studios.
RD 1964/79	D.J. Neale	Method for measuring the vertical radiation patterns of UHF transmitting aerials.
RD 1965/2	J.W. Stark	Simultaneous long distance tropospheric propagation measurements at 560 Mc/s over the North Sea.
RD 1965/4	J.W. Head	Design of gradual transition absorbers for a free-field room.
RD 1965/18	T. Somerville, C.L.S. Gilford, N.F. Spring and R.D.M. Negus.	Recent work on the effects of reflectors in concert halls and music studios.
RD 1965/22	F.L. Ward and K.E. Randall.	Investigation of the sound isolation of concrete slab floors.
RD 1965/24	K. Hacking	Relative visibilities of spatial variations in luminance and chromaticity.
RD 1965/35	A.H. Jones	Line-store standards conversion: The design of video transmission lines.
RD 1965/41	R.E. Davies, M.T.A. Salter	Simulation of some delay-unit defects in a field-store standards conversion system.
RD 1966/6	R.E. Davies, S.J. Lent, M.T.A. Salter	Subjective assessments of the portrayal of motion produced by simulations of field-store standards conversion
RD 1966/12	W. Wharton, R.E. Davies	Field-store standards conversion: Conversion between television signals with different field frequencies using ultrasonic delays.
RD 1966/14	R.E. Davies, P.H.C. Legate	Field-store standards conversion: A comparison of amplitude and frequency modulation systems.
RD 1966/24	P. Knight	Re-radiation from masts and similar obstacles at radio frequencies.
RD 1966/33	W. Wharton, R.E. Davies, P.H.C. Legate	The transmission of television signals in a narrow bandwidth using frequency modulation
RD 1966/38	R.E. Davies, G. Edmondson	A phase-corrected video "notch" filter
RD 1966/39	P. Knight, R.E. Davies	Mutual resistance between radiating elements mounted on cylinders: application to vhf aerial gain calculation
RD 1966/46	J.W. Stark, C.P. Bell	Long-distance tropospheric propagation measurements over the North Sea at 774 MHz.
RD 1966/54	J.W. Head	Open-limit calculus.
RD 1966/61	V.G. Devereux	Choice of interpolation apertures for line-store standards converters.
RD 1966/73	J.R. Sanders	Pulse sound: A system of television sound broadcasting using pulses in the video waveform.
RD 1967/3	G.M. Le Couteur	Field-store standards conversion: a controlled RF switch.
RD 1967/5	P.C.J. Hill	The determination of dipole reactance by radiation pattern integration.
RD 1967/7	W.K.E. Geddes	Pulse sound: decoding.
RD 1967/9	V.G. Devereux	Pulse sound: Interference suppression.
RD 1967/11	C.L.S. Gilford, D.K. Jones	Psychoacoustic criteria for background noise and sound insulation in broadcasting studios.
RD 1967/30	W. Wharton, J.G. Ingleton	Pulse sound: Suppression of vestigial sideband at 625-line VHF transmitters.
RD 1967/50	D. Howorth, D.E.L. Shorter	Pulse-code modulation for high-quality sound-signal distribution: Appraisal of system requirements.
RD 1967/51	C.P. Bell	Diurnal and seasonal variations in tropospheric propagation characteristics.
RD 1967/52	R.S. Sandell, B. Davis, J. Causebrook	Calculating the field strength required for a television service, in the presence of co-channel interfering signals. Pt.1 Assessment of a Single Interfering Source
RD 1967/53	V.G. Devereux	Up-conversion by means of a line-store standards converter using a line-delay interpolator.

RD 1967/54	D.J. Whythe, J.L. Eaton	The non-linear characteristics of klystron amplifiers.
RD 1967/55	G.D. Monteath, V.G. Devereux	Digital methods in television.
RD 1968/1	C.P. Bell	Long-distance tropospheric propagation measurements over mixed land and sea paths at 774 MHz.
RD 1968/8	W.K.E. Geddes	The assessment of noise in audio-frequency circuits.
RD 1968/19	P. Knight	Ionospheric non-linearity
RD 1968/21	A. Brown	Television co-channel interference: Protection ratio for five-thirds line frequency precision offset of carriers with moving pictures.
RD 1968/23	M.K.E. Smith	Construction of multilayer dielectric filters.
RD 1968/29	J.R. Chew	Pulse-code modulation for high-quality sound signal distribution: Coding and decoding..
RD 1968/30	K. Hacking	Propagation over rounded hills.
RD 1968/35	T.J.B. Smith, C.L.S. Gilford	Airborne sound insulation requirements in studio centres.
RD 1968/36	J.R. Sanders	Pulse-code modulation for high-quality sound signal distribution: Incorporation of the sound signal in the video signal.
RD 1968/37	D.W. Osborne	Aspects of frequency-division-multiplex colour systems for television field-store standards converters.
RD 1968/45	P. Knight, R.D.C. Thoday	The influence of the ground and the sea on medium-frequency sky-wave propagation.
RD 1968/47	A. Brown	The subjective assessment of multiple co-channel television interference.
RD 1969/3	P. Knight	Field strength near the ground at v.h.f. and u.h.f. : theoretical dependence on polarisation
RD 1969/11	R.E. Davies	Field-store standards conversion: an improved instrumentation for the frequency modulation system
RD 1969/12	S.M. Edwardson	Field store standards conversion: The testing of ultrasonic delay-lines.
RD 1969/16	N.F. Spring, K.E. Randall	The measurement of sound diffusion index in small rooms
RD 1969/17	A. Burd	Non-reverberant music for acoustic studies
RD 1969/21	D.J. Whythe	A highly-directional aerial for re-broadcast reception of VHF television signals.
RD 1969/31	P. Knight	The polarization of waves reflected from the ionosphere.
RD 1969/32	W. Hartley	Vertically-polarised light-weight UHF aerials for site-testing
RD 1969/33	J.H. Causebrook, B. Davis, R.S. Sandell	The prediction of co-channel interference to television broadcasting services in the frequency range 470 to 960 MHz
RD 1969/35	A.H. Jones	A PCM sound-in-synchs distribution system: General description.
RD 1969/37	D.J. Wythe, N.H.C. Gilchrist	Harmonic radiation from UHF television transmitting stations
RD 1969/39	J.W. Head	Harmonic analysis of distortion in amplitude modulation systems with asymmetrical sidebands.
RD 1969/40	P.C.J. Hill	Hybrid-pulse coding: Theoretical assessment of system.
RD 1969/42	J.D. Lunn, M.E.B. Moffat	Possible techniques for the recording of digital television signals.
RD 1969/43	M.J. Mortimore, I.D. Chisholm	A camera tube lag meter.
RD 1969/44	J.R. Chew	A PCM sound-in-synchs distribution system: Synchronization of analogue-to-digital and digital-to-analogue converters to television line frequency.
RD 1969/48	W.I. Manson, D.E.L. Shorter	A PCM sound-in-synchs distribution system: syllabic companding
RD 1969/52	C.J. Dalton	A p.c.m. sound-in-synchs distribution system: combination and separation of sound and video signals

1970	Author(s)	Title
RD 1970/1	J.W. Head	Determination of the current distribution for aerial arrays of collinear elements with any number of sidelobes having equal maxima.
RD 1970/2	D.W. Osborne	Field-store standards conversion: The impairment caused by amplitude-perturbation of the colour subcarrier.
RD 1970/3	J.W. Head	Satellite broadcasting service areas.
RD 1970/4	W.I. Manson	The summation of sound signals from simultaneous commentaries.

RD 1970/5	K. Hacking	A non-synchronous method of demodulating amplitude-modulated signals with asymmetrical sidebands
RD 1970/6	J.R. Sanders	Automatic registration feasibility study: Fundamental considerations.
RD 1970/7	P. Knight	Medium-frequency sky-wave broadcasting: Effect of polarization on interference.
RD 1970/8	A.D. Oliver, A.G. Lyner, P. Knight	A computer program for calculating sky-wave field strengths at medium frequencies.
RD 1970/9	J.G. Spencer	UHF television: the interference caused by a receiver operating on channel n to an adjacent receiver tuned to n+4
RD 1970/10	N.F. Spring, K.E. Randall	Permissible bass rise in talks studios.
RD 1970/11	J.W. Head	Combined effect of several interfering signals.
RD 1970/12	J.D. Lunn	Automatic registration feasibility study: The use of sampling techniques for vertical registration error detection.
RD 1970/13	H.D. Harwood, A.N. Burd	Acoustic scaling: General outline.
RD 1970/14	M.J. Mortimore, G.M. Le Couteur	A method of averaging frequency modulated signals.
RD 1970/15	E.W. Taylor, J.P. Chambers	Colour cameras: Automatic compensation for changes in the spectrum of the light incident on to the scene.
RD 1970/16	R.E. Davies	Field-store standards conversion: Servo-control of the field delay.
RD 1970/17	G.W. Millard	UHF relay stations: vertically-polarised printed panel aerials.
RD 1970/18	M.G. Croll	Pulse code modulation for high quality sound distribution: Quantizing distortion at very low signal levels.
RD 1970/19	J.O. Drewery	Improvements to colour film projection by modifying the spectrum of the illumination
RD 1970/20	N.H.C. Gilchrist, J.H. Moore	UHF radio links: 2.5Ghz transmitting aerials for mobile radio cameras
RD 1970/21	P. Knight	The design and replacement aerials for Moorside Edge.
RD 1970/22	P.A. Laven, D.W. Taplin, C.P. Bell	Television reception over sea paths: The effect of the tide.
RD 1970/23	D.W. Osborne	Observations of the stability of the propagation time of a long television link.
RD 1970/24	R.V. Harvey	Field-store standards conversion: Amplifiers for ultrasonic quartz delay lines.
RD 1970/25	V.G. Devereux	Pulse code modulation of video signals: 8-bit coder and decoder.
RD 1970/26	R.W. Lee, J.H. Causebrooke, R.S. Sandell	An investigation into the prediction of field strength: 'The Guildford experiment'.
RD 1970/27	G.H. Millard	Satellite broadcasting: An aerial design for domestic reception in the 12 GHz band.
RD 1970/28	C.J. Dalton	A PCM sound-in-syncs system for outside broadcasts.
RD 1970/29	K. Hacking, D.E. Susans	LF/MF receivers with synchronous demodulation for double- or single-sideband transmissions.
RD 1970/30	S.J. Lent	BBC Test Chart 57: A new grey scale reflectance chart for colour television cameras.
RD 1970/31	D.J. Whythe	VHF receiving aerials: The use of active elements.
RD 1970/32	C.B.B. Wood	The choice of primary colours for colour television.
RD 1970/33	C.D. Mathers	Multiple wall weathershields for UHF aerials
RD 1970/34	J.R. Chew	Pulse-code modulation for high-quality sound signal distribution: Feasibility of multiplex system.
RD 1970/35	J.G. Spencer	Band II FM sound broadcasting: Field tests at radio Nottingham using mixed polarisation.
RD 1970/36	J.R. Chew, M.G. Croll	Pulse-code modulation for high-quality sound-signal distribution: Instrumentation of experimental multiplex system.
RD 1970/37	S.M. Edwardson, R.E. Davies, R.V. Harvey, et al	Field store standards conversion: Description of the C06/506 converter.
RD 1970/38	G.J. Phillips	Satellite broadcasting: Spectrum efficiency of television services in the 12 GHz band.
RD 1970/39	A. Brown	Modulation systems for television: Theoretical comparison of noise performance, with and without pulse coding.

1971**Author(s)****Title**

RD 1971/1 P.C.J. Hill Simultaneous subliminal signalling in conventional sound circuits: A feasibility study.

RD 1971/2	W.N. Sproson	Choice of display phosphors: A theoretical study of the colorimetric consequences.
RD 1971/3	N.F. Spring, K.E. Randall, M.K.E. Smith	Acoustic scaling: A one-eighth scale model reverberation room.
RD 1971/4	G. Brown	Colorimetric errors due to a non-linear transfer characteristic and inaccurate gamma tracking.
RD 1971/5	H.A.S. Philippart	Electronic soft-focus unit.
RD 1971/6	A. Brown	The use Lincompex on HF links for overseas broadcasting.
RD 1971/7	A.H. Jones	A short appraisal of the partitioning of FM signals.
RD 1971/8	P.Knight	Low-frequency sky-wave propagation to distances of about 2000 km.
RD 1971/9	R.V. Harvey	Pulse-code modulation for high-quality sound-signal distribution: Deviation, bandwidth and power for a frequency-modulated link.
RD 1971/10	C.R.G. Reed	Reduction of adjacent-channel interference in the LF and MF broadcast bands by reduction of the modulation bandwidth.
RD 1971/11	J.O. Drewery, P. Knight	Variation of medium-frequency sky-wave field strength with solar activity in Europe
RD 1971/12	C.J. Dalton	Delta modulation for sound-signal distribution: A general survey.
RD 1971/13	R.P. Marsden	Negative fading: Automatic electronic grading.
RD 1971/14	D.J. Meares	Pulse code modulation of video signals: Parallel-to-serial and serial-to-parallel conversion.
RD 1971/15	A.N. Burd	Low-frequency sound absorbers.
RD 1971/16	A. Brown	A brief investigation into the permissible amplitude modulation of a UHF television sound carrier
RD 1971/17	J.L. Eaton	Active aerial arrays: Reciprocity.
RD 1971/18	M.J. Buckley, J.G. Spencer	Selectivity of MF transistor portable receivers.
RD 1971/19	A. Brown	Satellite broadcasting: Co-channel protection ratios for FM television.
RD 1971/20	R.E. Davies	Optimum parameters for a RF power-splitting network.
RD 1971/21	J.W. Head	PAL tolerances analysis: A proposed strategy.
RD 1971/22	P. Knight	MF propagation: The behaviour of the normal ionosphere during the night and at sunrise.
RD 1971/23	J.D. Lunn	Colour film telerecording using a shadow-mask display tube.
RD 1971/24	J.L. Eaton, N.H.C. Gilchrist	Voltage breakdown in UHF feeders and combing equipment
RD 1971/25	A. Brown..	Satellite broadcasting: Possible advantages of using digital modulation for television.
RD 1971/26	J.R. Chew	Simultaneous signalling in digital sound circuits: A feasibility study.
RD 1971/27	E.W. Taylor	A theoretical model of a colour television display for the assessment of random noise.
RD 1971/28	D.T. Wright	16 mm film: Image steadiness in television presentation. Part 1: The measurement of unsteadiness and prediction of subjective impairment.
RD 1971/29	J.R. Sanders	16 mm film: Image steadiness in television presentation. Part 2: Causes of unsteadiness.
RD 1971/30	R.N. Robinson	An experimental quadrature modulation system for video signals.
RD 1971/31	C.P. Bell, S.J. Ashdown	Long distance tropospheric propagation measurements at UHF over mixed land and sea paths crossing the English Channel.
RD 1971/32	D.E. Susans, J.G. Spencer	A feasibility study of an adaptive system for UHF television.
RD 1971/33	N.H.C Gilchrist, J.H. Moore	UHF relay station aerials: the compensation of a 914mm diameter aerial cylinder by means of an inductive grating.
RD 1971/34	R.V. Harvey	Channel 21 television transmissions: Interference to services below 470 MHz.
RD 1971/35	A. Brown	Protection ratios for 625-line System I television transmissions, impaired by interfering frequency-modulated television signals.
RD 1971/36	R.V. Harvey	Field store standards conversion: Equalisers for ultrasonic quartz delay lines.
RD 1971/37	M.G. Croll	Pulse code modulation for high-quality sound signal distribution: Simulation of an advanced form of error protection.

RD 1971/38	D.W. Osborne, A. Roberts	Field-store standards conversion: The field-store synchroniser.
RD 1971/39	P. Knight	The propagation constant of the Beveridge aerial.
RD 1971/40	V.G. Devereux	Pulse code modulation of video signals: Subjective study of coding parameters.
RD 1971/41	W.I. Manson	Automatic equalisation of temporary sound circuits for commentaries: Subjective tests.
RD 1971/42	V.G. Devereux	Pulse code modulation of video signals: Subjective tests on acceptable limits for timing jitter in the decoded analogue samples.
RD 1971/43	J.H. Causebrook, B. Davies	Tropospheric radio wave propagation over irregular terrain: The computation of field strength for UHF broadcasting.
RD 1971/44	R. Walker	Digital line-store standards conversion: a feasibility study.
RD 1971/45	W.N. Sproson, E.W. Taylor	A colour television illuminant consistency index.

1972	Author(s)	Title
RD 1972/1	D.E. Susans, R.D.C. Thoday, M.J. Buckley	A medium-wave field-strength measuring receiver.
RD 1972/2	D.W. Stebbings	Field-store standards conversion: colour operation of the MK 2B (C06/508) converter/synchroniser.
RD 1972/3	H.D. Harwood, A.N. Burd, N.F. Spring	Acoustic scaling: An evaluation of the proving experiment.
RD 1972/4	C.R.G. Reed	Interference characteristics of dual-standard monochrome television receivers operating in the UHF bands.
RD 1972/5	D.W. Osborne, A. Roberts	Field-store standards conversion: The development of variable-delay timing correctors.
RD 1972/6	C.P. Bell, S.J. Ashdown	UHF medium distance tropospheric propagation measurements over the English channel.
RD 1972/7	S.J. Lent	The optimum characteristics for a simple luminance notch in a PAL colour television decoder.
RD 1972/8	R.D.C. Thoday, A.G. Lyner	Reflectometer units for short-wave senders.
RD 1972/9	A.H. Jones, J.P. Chambers	Digital magnetic recording: Conventional saturation techniques.
RD 1972/10	L.K. Bradley, R.W. King	Satellite broadcasting: A zoned reflector aerial for the domestic reception of Band VI.
RD 1972/11	N.H.C. Gilchrist	HF radio links: The feasibility of an automatic equaliser for correcting amplitude/frequency response distortion
RD 1972/12	P. Knight, J.P. Crean	Variation of low-frequency sky-wave field strength with solar activity in Europe.
RD 1972/13	N.H.C. Gilchrist	The performance of a non-synchronous AM detector designed to remove asymmetric-sideband distortion.
RD 1972/14	V.G. Devereux, D.J. Meares	Pulse code modulation of video signals: subjective effect of random digital errors
RD 1972/15	D.E. Susans	UHF offset generator for laboratory interference tests
RD 1972/16	G.H. Millard	UHF relay stations: distribution transformers for use with the standard horizontally-polarised RBL aerial.
RD 1972/17	G.H. Millard, J.H. Moore, N.F. Spring	A UHF aerial for elliptical polarisation
RD 1972/18	J.R. Chew, M.E.B. Moffat	Pulse-code modulation for high-quality sound-signal distribution: Protection against digit errors.
RD 1972/19	N.F. Spring, C.L.S. Gifford	Artificial Reverberation.
RD 1972/20	A.G. Lyner	Reducing non-linear effects in klystrons for television broadcasting.
RD 1972/21	P. Knight	MF propagation: The reduction of interference by the use of horizontal-dipole transmitting aerials.
RD 1972/22	G.M. Le Couteur	Field-store standards conversion: A technical description of the C06/508 converter.
RD 1972/23	P. Knight	LF and MF propagation: A study of ionospheric cross-modulation measurements.
RD 1972/24	F.A. Griffiths	The calculation of electronic masking for use in telecine.
RD 1972/25	H.D. Harwood	Loudspeaker distortion associated with low-frequency signals.
RD 1972/26	M.G. Croll	Sound-quality improvement of broadcast telephone calls.
RD 1972/27	F.A. Griffiths	The measurement of phosphor grain and electrical noise components in the signals from a flying-spot telecine.
RD 1972/28	J.O. Drewery, J.R. Chew, G.M. Le Couteur	Digital line-store standards conversion: Preliminary interpolation study.

RD 1972/29	D.T. Wright	The feasibility of correcting for failure of constant luminance in a colour television system.
RD 1972/30	E.W. Taylor	A rapid graphical method of evaluating the chromatic properties of a television display.
RD 1972/31	D.W. Osborne	D.W. Osborne Digital sound signals: further investigations of instantaneous and other rapid companding systems.
RD 1972/32	K. Hacking	A note on dichroic gratings for colour encoding.
RD 1972/33	G.H. Millard	Transmitting aerial distribution transformers and hybrids for use at low-power UHF relay stations.
RD 1972/34	H.D. Harwood, K.F.L. Lansdowne	Acoustic scaling: Instrumentation.
RD 1972/35	J.P. Chambers	Digital multiplexing and linear interpolation.
RD 1972/36	A. Brown, R.W. King	Digital video: Reduction of sampling frequency to 11.9 MHz.
RD 1972/37	R.N. Robinson	The contrast handling requirements of a colour television display.
RD 1972/38	T.W.J. Crompton	Studio to cubicle insulation requirements with delayed monitoring.
RD 1972/39	R.W. King, A. Brown,	Television System I: A proposed specification for group delay at high video frequencies.
RD 1972/40	G.R. Mitchell, M.E.B. Moffat	Pulse-code modulation for high-quality sound-signal distribution: Subjective effect of digit errors.

1973	Author(s)	Title
RD 1973/1	V.G. Devereux, G.C. Wilkinson	Digital video: Effect of PAL decoder alignment on the acceptable limits for timing jitter.
RD 1973/2	F.A. Griffiths	The reproduction of negative film by telecine.
RD 1973/3	R.D.C. Thoday	Radio microphones: Propagation characteristics in television studios.
RD 1973/4	G.H. Millard	Transmission filters for UHF relay stations
RD 1973/5	D.J. Whythe, C.R.G. Reed	Ionospheric non-linearity: Protection ratios required against cross-modulation interference (Luxembourg Effect).
RD 1973/6	C.K.P. Clarke	Equipment for the transfer of digital video signals to paper tape.
RD 1973/7	V.G. Devereux	Digital video: Differential coding of PAL signals based on differences between samples one subcarrier period apart.
RD 1973/8	J.L. Eaton, A.M. Bunting	Computer program: MF sky-wave interference.
RD 1973/9	R.V. Harvey	Hybrid-pulse coding: An experimental quadrature modulation system for television transmission.
RD 1973/10	J.R. Sanders, M. Weston	An automatic shot-change detector for telecine.
RD 1973/11	R.A. Rowden	MF network planning: The coverage under daytime conditions from a network of transmitters arranged in a uniform lattice.
RD 1973/12	G.M. Le Couteur	Interference due to data transmitted after the television field synchronising signal.
RD 1973/13	P. Knight	MF propagation: A wave-hop method for ionospheric field-strength prediction.
RD 1973/14	D.G. Beadle, W.F. Williams	The Lanby buoy telemetric system
RD 1973/15	J.R. Chew	Digital methods for the timing correction of television signals.
RD 1973/16	L.K. Bradley	Medium frequency directional aerials.
RD 1973/17	P. Knight	MF propagation: Non-reciprocal ionospheric propagation on multi-hop paths.
RD 1973/18	G.H. Millard, N.F. Spring	The automatic plotting of aerial radiation patterns.
RD 1973/19	N.H.C. Gilchrist	Satellite broadcasting: bandwidth requirements for fm television signals
RD 1973/20	G.M. Le Couteur, P.H.C. Legate	An investigation into a proposal for a simplified television field synchronisation signal.
RD 1973/21	T.A. Moore	Digital transmission codes: Preliminary investigation of HDB3 and related ternary codes for broadcast signal distribution.
RD 1973/22	G.W. McNally	Directional coupler design.
RD 1973/23	G.M. Le Couteur	Digital line store standards conversion: Determination of the optimum interpolation aperture function.
RD 1973/24	J.L. Riley	A UHF ruggedised log-periodic aerial

RD 1973/25	W.I. Manson	Frequency-dependent limiters for FM sound transmitters.
RD 1973/26	R.D.C. Thoday	Radio microphones: Operation at low frequencies.
RD 1973/27	P. Knight	MF propagation: Polarisation coupling losses with horizontal transmitting aerials.
RD 1973/28	D.J. Whythe	A review of equalisation techniques for analogue television signals.
RD 1973/29	A.H. Jones	Digital television recording: A review of current developments.
RD 1973/30	P.A. Laven	Television reception over sea paths: The effect of polarisation.
RD 1973/31	J.L. Eaton, K.J. Kallaway	The radiation characteristics of leaky coaxial cables at VHF.
RD 1973/32	D.T. Wright	Solid state sensors: The use of a single dimension 512 element array for film scanning.
RD 1973/33	G.H. Millard, J.H. Moore	Measurements on typical arrangements of UHF panel aerials
RD 1973/34	R.E. Davies	The formation of a United Kingdom population data bank.
RD 1973/35	V.G. Devereux, G.C. Wilkinson	Visibility of chrominance/luminance delay inequality in System I (625-line PAL) video signals.
RD 1973/36	J.O. Drewery	A study of high order vertical aperture correction.
RD 1973/37	D.J. Meares	Statistics of typical programme sound pressure levels in sound studios and their control rooms.
RD 1973/38	E.W. Taylor	Holography: A general survey.
RD 1973/39	E.W. Taylor	An appraisal of the use of holographic techniques in television systems of broadcast quality.
RD 1973/40	E.W. Taylor	Recording using hologram arrays: A general survey.
RD 1973/41	D.W. Osborne, M.G. Croll	Digital sound signals: Bit-rate reduction using an experimental digital compandor.
RD 1973/42	M.G. Croll, D.W. Osborne, D.F. Reid	Digital sound signals: Multiplexing six high-quality sound channels for transmission at a bit-rate of 2.048 Mbit/s.

1974	Author(s)	Title
RD 1974/1	K. Hacking	Digital recording using hologram arrays: Low-frequency micro-holograms on photographic film.
RD 1974/2	R.A. Belcher	An experimental investigation of test-noise signals for the measurement of non-linear distortion of sound signals.
RD 1974/3	P. Knight	LF and MF propagation: Sky-wave field-strength prediction.
RD 1974/4	J.H.Causebrook	Computer prediction of UHF broadcast service areas
RD 1974/5	R.V. Harvey	UHF television: impairments to domestic reception with envelope and synchronous detectors caused by carrier phase perturbation in relay transmitters
RD 1974/6	R.W. King, J.H.Causebrook	Computer programs for UHF co-channel interference prediction using a terrain data bank
RD 1974/7	R. Walker	Hadamard transformation: A real-time transformer for broadcast standard television
RD 1974/8	G.H.Millard, J.L.Riley	A UHF vertically-polarised receiving aerial for re-broadcast links
RD 1974/9	W.N. Sproson	Subjective study of two large music studios.
RD 1974/10	G.M. Le Couteur	CEEFAQ: Interference with television from data signals transmitted in the field-blanking period.
RD 1974/11	W.I. Manson	Digital sound signals: Subjective effect of timing jitter.
RD 1974/12	H.D. Harwood, K.F.L. Lansdowne	Acoustic scaling: The effect on acoustic quality of increasing the height of a model studio
RD 1974/13	R. Walker, C.K.P. Clarke	Walsh-Hadamard transformation of television pictures
RD 1974/14	R.E. Davies	Population counts using a computer data bank.
RD 1974/15	D.T. Wright	An automatic TARIF for news film.
RD 1974/16	V.G. Devereux	Comparison of picture impairments caused by digital coding of PAL and SECAM video signals.
RD 1974/17	P.A. Ratcliff	The generation of video synchronising pulses and test waveforms by digital synthesis: Timing errors caused by quantising distortion.
RD 1974/18	J.L. Eaton	MF aerials: The determination of ground-wave CMF and mean ground conductivity from radial field measurements by an optimisation technique.

RD 1974/19	T.A. Moore	Digital sound: Feasibility of changing frequency pre-emphasis by a digital filter.
RD 1974/20	N.H.C. Gilchrist	Satellite broadcasting: channel separation requirements for FM television signals
RD 1974/21	N.H.C. Gilchrist	Satellite broadcasting: channel separation requirements for FM television signals and for a FM sound signal adjacent to a FM television channel.
RD 1974/22	G.H. Millard	UHF relay stations: log-periodic transmitting aerial for Ogmore Vale
RD 1974/23	D.E. Susans	An adaptive receiving system for UHF television
RD 1974/24	D.F. Reid, M.G. Croll	Digital sound signals: The effect of transmission errors in a near-instantaneous digitally companded system.
RD 1974/25	S.J. Lent, C.R.G. Reed	Reduction of cross-colour effects in PAL (System I) colour television by the use of low-pass and notch filters: Subjective tests.
RD 1974/26	D.J. Meares	Quadraphony: Techniques involved in four channel recording and reproduction.
RD 1974/27	H.D. Harwood, A.N. Burd, K.F.L. Lansdowne, S.A. Hughes	Acoustic scaling: Examination of possible modifications to Maida Vale Studio No 1.
RD 1974/28	A.N. Burd, W.N. Sproson	Acoustic scaling: Subjective appraisal and guides to acoustic quality.
RD 1974/29	T.W.J. Crompton	The subjective performance of various quadraphonic matrix systems.
RD 1974/30	G.H. Millard, J.L. Riley	Arrays of UHF log-periodic aerials: a vertically-polarised receiving aerial for re-broadcast links.
RD 1974/31	I. Childs	Laser beam deflection.
RD 1974/32	A.G. Lyner, P. Shelswell	UHF amplifiers: improvement of linearity by pre-correction
RD 1974/33	R.V. Harvey	UHF television: requirements for long-term and short-period carrier drive frequency stability.
RD 1974/34	E.W. Taylor	Colour television displays: Error diagrams for evaluating the reproduced chromaticities of some test colours.
RD 1974/35	P. Shelswell	The subjective effect of intermodulation distortion when sound and vision signals are amplified in a common amplifier.
RD 1974/36	D.E. Susans	A fixed-tuned medium-wave receiver suitable for a road traffic information service.
RD 1974/37	D.F. Reid	Digital video: Some bit-rate reduction methods which preserve information in broadcast-quality digital video signals.
RD 1974/38	P.A. Ratliff	Properties of hearing related to quadraphonic reproduction.
RD 1974/39	F.A. Bellis, M.K.E. Smith	A stereo digital sound recorder
RD 1974/40	J.H. Stott, A. Oliphant, D.W. Osborne	Digital video: Error-correcting codes and a practical study of a Wyner-Ash error corrector.
RD 1974/41	P.A. Ratliff	Digital video: Subjective assessment of an experimental Wyner-Ash error corrector.
RD 1974/42	T.A. Moore	Digital video: Number of bits per sample required for reference coding of luminance and colour-difference signals.

1975	Author(s)	Title
RD 1975/ 1	R.A. Rowden, C.P. Bell	The estimation of the service areas of medium- and long-wave broadcasting stations.
RD 1975/ 2	K. Hacking, H.A.S. Philippart, T.A. Moore	A direct-reading chromaticity meter.
RD 1975/ 3	J.O. Drewery	Video digital filter Study I -- first order recursive form.
RD 1975/ 4	V.G. Devereux	Digital video: Sub-Nyquist sampling of PAL colour signals.
RD 1975/ 5	J.L. Riley	Determination of the phase-centre of a UHF ruggedised log-periodic aerial in the H-plane .
RD 1975/ 6	M.G. Croll	The possibility of sending programme speech contributions digitally over the public telephone network.
RD 1975/ 7	J.L. Riley	Transmitting arrays for low-power relay stations: Arrays of UHF log-periodic aerials.
RD 1975/ 8	N.H.C. Gilchrist	Satellite broadcasting: the effects of filter design upon the bandwidth and adjacent-channel separation requirements for FM television
RD 1975/ 9	R.S. Sandell, M.W. Harman	A traffic information service employing time division multiplex transmissions.
RD 1975/10	R.V. Harvey	An experimental 8-phase modulation system for distribution of digital television signals.
RD 1975/11	H.D. Harwood, K.E. Randall, K.F.L. Lansdowne	Acoustic scaling: The design of a large music studio for Manchester. Interim report.
RD 1975/12	D.W. Stebbings	D.W. Stebbings Ceefax: UHF field trials

RD 1975/13	E.W. Taylor	On the visibility of luminance fluctuations in television pictures, and exposure variations in motion picture film.
RD 1975/14	J.R. Chew, D.W. Stebbings	Specification of the timing stabilities of broadcast monochrome and PAL colour television signals.
RD 1975/15	A. Roberts	A possible method of recording and replaying video with sound-in-syncs on video tape recorders.
RD 1975/16	R.P. Marsden	Electronic masking for telecine: A review of masking for positive and negative film.
RD 1975/17	L.F. Tagholm, C.P. Bell, P. Knight	Ionospheric propagation in VHF television Band I.
RD 1975/18	N.E. Tanton	CEEFAX: Tests on three possible choices of secondary code.
RD 1975/19	D.J. Whythe	Stereophonic reception using the pilot-tone system: compatibility of current receivers when quadrature subcarrier modulation is added
RD 1975/20	V.G. Devereux	Digital video: Differential coding of PAL colour signals using same-line and two-dimensional prediction.
RD 1975/21	P.A. Laven, R.W. Lee	Map projections for planning of broadcast services: Use of a digital computer.
RD 1975/22	W.I. Manson	Frequency-dependent limiters for FM sound broadcasting: Optimisation of attack period and of delay-length in the variable-de-emphasis stage.
RD 1975/23	N.H.C Gilchrist, W.I. Manson, T.A. Moore	Digital sound: Baseband filtering to improve the fading margin for 13-channel system operating over existing FM links.
RD 1975/24	M.J. Kallaway	Prototype equipment to measure co-channel interference on 625-line television signals.
RD 1975/25	W.I. Manson	A variable-emphasis limiter to improve the technical quality of HF broadcasting.
RD 1975/26	C.K.P. Clarke	Hadamard transformation: Walsh spectral analysis of television signals.
RD 1975/27	J.S. Bower	The subjective effects of interchannel phase-shifts on the stereophonic image localisation of wideband audio signals.
RD 1975/28	J.S. Bower	The subjective effects of interchannel phase-shifts on the stereophonic image localisation of narrowband audio signals.
RD 1975/29	P. Shelswell	A reflection modulator for adding data to a composite television signal at UHF.
RD 1975/30	R.D.C. Thoday	Radio microphones: A quadruple-diversity reception system.
RD 1975/31	M. Weston	Pulse code modulation of video signals: Visibility of level quantising effects in processing channels.
RD 1975/32	P. Knight	LF and MF propagation: An approximate formula for estimating sea gain.
RD 1975/33	D.G. Beadle, J.A. Fox	A field strength measuring receiver for Band II
RD 1975/34	D.W. Taplin	Tidal fading on short oversea paths elliptical, vertical and horizontal polarisation compared.
RD 1975/35	H.D. Harwood, K.E. Randall, K.F.L. Lansdowne	Acoustic scaling: The design of a large music studio for Manchester. Final report.
RD 1975/36	J.O. Drewery	The filtering of luminance and chrominance signals to avoid cross-colour in a PAL colour system.

1976	Author(s)	Title
RD 1976/ 1	C.D. Mathers	Digital video recording: some experiments in error protection
RD 1976/ 2	E.W. Taylor	Some aspects of the use of metal-halide discharge lamps for film lighting.
RD 1976/ 3	P. Knight	LF and MF propagation: The effect of earth curvature on sea gain.
RD 1976/ 4	G.M. Le Couteur	Solid state image sensors: Improvements in signal processing techniques.
RD 1976/ 5	D.J. Whythe	Reduction of mush-area distortion in common-frequency MF transmitter networks.
RD 1976/ 6	D.E. Susans	Diversity reception at high-frequencies using the single-sideband mode.
RD 1976/ 7	F.A. Bellis	An experimental digital television recorder.
RD 1976/ 8	N.H.C. Gilchrist	Satellite broadcasting: the feasibility of adding a PSK subcarrier sound signal to a FM television signal
RD 1976/ 9	M.G. Croll	Ceefax: initial field trial at UHF of unified standard
RD 1976/10	T.A. Moore	Digital video: A theoretical assessment of the quantising noise spectra arising from a change in the sampling frequency of PAL signals.
RD 1976/11	D.W. Stebbings	An experimental comparison of four methods for 64 kbit/s coding of speech with a 7 kHz bandwidth.
RD 1976/12	R.A. Belcher	Audio non-linearity: A comb-filter method for measuring distortion.

RD 1976/13	D.E. Susans	A VHF multipath simulator.
RD 1976/14	D.J Whythe	The transmission of two programmes from Band II FM transmitters: An assessment of 'Storecasting'.
RD 1976/15	J.L. Eaton	The wave-tilt method of measuring electrical ground constants in the LF and MF bands.
RD 1976/16	D.W. Osborne	Experimental digital transmission of multiplexed video and audio signals at 120 Mbit/s.
RD 1976/17	N.H.C. Gilchrist	CEEFAX: An investigation of interference from teletext data signals into the sound circuits of domestic television receivers.
RD 1976/18	M.G. Croll	CEEFAX: Computer based time-domain and frequency-domain analysis of system responses to test pulses.
RD 1976/19	R.A. Belcher, P.S. Gaskell	Subjective effects of band-limiting the colour-difference signals in PAL television System I.
RD 1976/20	M.J. Kallaway	An experimental 4-phase differential-phase-shift-keying system to carry two high-quality digital sound signals.
RD 1976/21	C. Gandy	A circularly-polarised aerial for satellite reception.
RD 1976/22	R.V. Harvey	Satellite broadcasting: Optimal distribution of frequency channels, orbital positions and polarisations.
RD 1976/23	G.M. Le Couteur	Performance tests on a selection of 100-element charge-coupled devices.
RD 1976/24	M. Weston	A PAL/YUV digital system for 625-line international connections.
RD 1976/25	R.D.C. Thoday	A wideband Band II aerial.
RD 1976/26	N.E. Tanton	Video digital filter Study II: Temporal first-order recursive digital filter.
RD 1976/27	M.W. Harman	A UHF programmable digital field strength measuring receiver.
RD 1976/28	C.K.P. Clarke	Hadamard transformation: Assessment of bit-rate reduction methods.
RD 1976/29	H.D. Harwood, M.E. Whatton, R.W. Mills	The design of the miniature monitoring loudspeaker Type LS3/5A.
RD 1976/30	R.P. Marsden	Improvements to automatic TARIF.
RD 1976/31	J.H. Stott	60/120 Mbit/s multiplexing equipment for high-quality video and audio signals.
RD 1976/32	G.H. Millard, M.E. Bailey, H.M. Price	A signal correlator and data logging system.
RD 1976/33	J. Middleton	UHF field strength measurement of the ATS-6 satellite
RD 1976/34	D.E. Susans	A wide-deviation FM receiver.
RD 1976/35	J.L.Riley	Some considerations on the use of pre-amplifiers at low-power UHF relay stations.

1977	Author(s)	Title
RD 1977/1	W.A. Mahadeva	A 4-phase differential-phase-shift-keying stereo sound system.
RD 1977/2	P.S. Gaskell, P.A. Ratliff	Quadraphony: developments in Matrix H decoding.
RD 1977/3	H.D. Harwood, R. Matthews	Factors in the design of loudspeaker cabinets.
RD 1977/4	W.I. Manson, D.F. Reid	Two audio test-signal generators for assessing programme-related noise in digital companders.
RD 1977/5	M.W. Harman, J. Middleton	Airborne television transmission.
RD 1977/6	M.G. Croll	CEEFAX: measurement techniques.
RD 1977/7	J.L. Eaton	Satellite broadcasting: slant path attenuation through rain storms.
RD 1977/8	E.W. Taylor	Film lighting using metal-halide lamps: the effect of intensity ripple asymmetry.
RD 1977/9	R. Walker, G.W. McNally	An experimental digital picture store.
RD 1977/10	G.H. Millard	UHF scatter propagation across the English Channel.
RD 1977/11	R.D.C. Thoday	A Band II ferrite aerial unit for portable receivers.
RD 1977/12	P. Knight	LF and MF propagation: a study of sky-wave field-strength variation.
RD 1977/13	C.R.G. Reed	Two colour-television tubes with precision in-line-gun assemblies.

RD 1977/14	V.G. Devereux	Permissible timing jitter in broadcast PAL colour television signals.
RD 1977/15	M.J. Kallaway, W.A. Mahadeva	CEEFAX: Optimum transmitted pulse-shape.
RD 1977/16	P.A. Laven	MF lattice planning on a spherical earth.
RD 1977/17	S.J.Lent, C.R.G. Reed, R. Storey	Correction of primary chromaticities of display tubes by matrixing of gamma-corrected RGB signals.
RD 1977/18	M.G. Croll, D.T. Wright	CEEFAX: field trials at VHF using System B - Bavaria - April 1975.
RD 1977/19	E.W. Taylor	Film lighting using metal-halide lamps: some operating conditions giving freedom from picture luminance fluctuations.
RD 1977/20	E.W. Taylor, S.J. Lent	BBC Test Card No 61 (flesh tone reference): colorimetric and other optical considerations.
RD 1977/21	J.H. Stott, G.J. Phillips	Digital video: multiple sub-Nyquist coding.
RD 1977/22	G.H. Millard, H.M. Price	An aerial diversity switch for the Channel Islands television re-broadcast link.
RD 1977/23	E.W. Taylor	Metal halide discharge lamps: the measurement of intensity ripple and a note on the operation at high supply frequencies.
RD 1977/24	G.J. Phillips	Domestic installations for direct broadcasting from a satellite.
RD 1977/25	J.H. Causebrook	Ground-wave propagation at medium frequency in built-up areas.
RD 1977/26	J.R. Chew	CEEFAX: evolution and potential
RD 1977/27	C.K.P. Clarke	Digital television: the use of waveform estimates in error correction.
RD 1977/28	G.M. Le Couteur	The electronic concealment of blemishes on the output of solid state image sensors.
RD 1977/29	E.W. Taylor	The HMI 575-watt metal-halide discharge lamp: measurements and predicted effects of intensity ripple using sinusoidal lamp excitation.
RD 1977/30	J.L. Riley	A wideband microstrip UHF hybrid.
RD 1977/31	D.J. Whythe	Perceptible levels of audio frequency tones in the presence of programme.
RD 1977/32	D.F. Reid, J.H.Stott, D.W. Osborne	Experimental digital transmission of multiplexed video and audio signals at 60 Mbit/s through a satellite.
RD 1977/33	M.E. Bailey	New block-codes for digital tape recording.
RD 1977/34	R.D.C. Thoday	A 2.5 GHz circularly polarized aerial.
RD 1977/35	D.J. Whythe	Traffic information service: the dependence of FM capture effect upon modulation index.
RD 1977/36	A.G. Lyner, H.M. Price	An active aerial element for HF/MF receiving arrays.
RD 1977/37	H.D. Harwood, R. Matthews	Improvements to cheap loudspeakers.
RD 1977/38	D.F. Reid, N.H.C. Gilchrist	Experimental 704 kbit/s multiplex equipment for two 15 kHz sound channels.
RD 1977/39	M.J. Kallaway	Direct satellite broadcasting: intermodulation between multiple FM sound subcarriers.
RD 1977/40	R.A. Belcher	Audio non-linearity: an initial appraisal of a double comb-filter method of measurement.
RD 1977/41	W.I. Manson, D.W. Stebbings	A digital split-band compandor for 64 kbit/s coding of speech with s 7kHz bandwidth.
RD 1977/42	P. Knight	LF and MF sky-wave propagation: the origin of the Cairo Curves.
RD 1977/43	M.J. Kallaway	CEEFAX: spectrum-shaping filter.
RD 1977/44	M.W. Harman	Traffic information service: trials and developments 1975/76.
RD 1977/45	D. Vinnell	The relationship of VHF car radio reception quality to field strength at 10 metres.
RD 1977/46	E.W. Taylor	The CSI 1 kW metal-halide discharge lamp: measurements and predicted effects of intensity ripple using sinusoidal lamp excitation.

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	Author(s)	Title
RD 1978/1	W.J.Christmas	A method for measuring echoes in the multipath propagation of v.h.f. signals.
RD 1978/2	G.M. Le Couteur	Sampling frequencies and structures for solid state image sensing in broadcasting.
RD 1978/3	A.P.Robinson	The masking effect of background noise.

RD 1978/4	S.R. Ely	Idle-channel noise in p.c.m. sound-signal systems.
RD 1978/5	D.E. Susans	An improved correlation audio combiner for use with h.f. diversity receivers.
RD 1978/6	R.P. Marsden	Automatic colour control using a microprocessor.
RD 1978/7	G.D. Monteath	Computation of groundwave attenuation over irregular and inhomogeneous ground at low and medium frequencies.
RD 1978/8	G.H. Millard	Channel Islands link for BBC television programmes: the Alderney receiving installation.
RD 1978/9	A. Oliphant	A digital telecine processing channel.
RD 1978/10	M. Weston	Digital aperture correction.
RD 1978/11	C. Gandy	Electronic news-gathering: the effect of multipath propagation.
RD 1978/12	P. Shelswell	A proposed method of data transmission from u.h.f. relay stations for remote monitoring.
RD 1978/13	J.H. Causebrook, B. Tait	Computer programs for v.h.f. interference prediction using a terrain data bank.
RD 1978/14	G.W. McNally	The use of a programmed computer to perform real-time companding of high-quality sound signals
RD 1978/15	M.J. Kalloway	An experimental 4-phase d.p.s.k. stereo sound system: the effect of multipath propagation.
RD 1978/16	R. Walker	An experimental simple digital field-store synchroniser for system I television.
RD 1978/17	M.G. Croll	Digital video: bit-rate reduction by removal of the line-blanking portion of the waveform.
RD 1978/18	J.P. Chambers, J.R. Chew	CEEFAX: microprocessor-based clock.
RD 1978/19	M.G. Croll	A digital television error-protection scheme based on waveform estimates.
RD 1978/20	R.Storey	Narrow-band f.m. system for television links: a feasibility study.
RD 1978/21	N.H.C. Gilchrist, A.G. Lyner	Narrow-band FM system for television links: interference between fm and am television signals.
RD 1978/22	N.H.C. Gilchrist	Narrow-band FM system for television links: tests of performance under conditions of multipath propagation.
RD 1978/23	J.O. Drewery	The zone plate as a television test pattern.
RD 1978/24	J.L. Eaton, H.M. Price	Television re-broadcast links: alleviation of off-set co-channel interference by means of simple video notch filters.
RD 1978/25	R. Walker	Probability levels of sound interference between programme areas.
RD 1978/26	N.H.C. Gilchrist	Digital sound signals: tests to compare the performance of five companding systems for high-quality sound signals.
RD 1978/27	H.D. Harwood, K.E. Randall, K.F.L. Lansdowne	The variation of absorption coefficient of absorber modules with ambient conditions.
RD 1978/28	F.A. Bellis	An error-correcting system for a multi-channel digital sound recorder.
RD 1978/29	S.M. Edwardson	'CARFAX' traffic information service: a general description of the ring system.
RD 1978/30	M.J. Kalloway	'CARFAX' traffic information service: preliminary field assessment of the ring system.
RD 1978/31	M.J. Kalloway	'CARFAX' traffic information service: an analysis of the characteristics of the ring system and receiver activation.
RD 1978/32	N.H.C. Gilchrist	Digital transmission of multiplexed video and audio signals at 140 Mbit/s over an experimental optical-fibre transmission system.
RD 1978/33	R.V. Harvey	M.F. and L.F. reception: susceptibility of domestic receivers to interference.

1979	Author(s)	Title
RD 1979/1	D.W. Osborne, J.H. Stott	Digital video: Comb filtering in sub-Nyquist PAL codecs.
RD 1979/2	M.C. Denyer, N.H.C. Gilchrist, M.J. Kalloway, R.J. Palmer	Digital radio links for stereophonic outside broadcasts
RD 1979/3	C.D. Mathers, K.F.L. Lansdowne	Hearing risk to wearers of circumaural headphones: an investigation.
RD 1979/4	G.W. McNally	A computer-based mixing and filtering system for digital sound signals.
RD 1979/5	M. Weston	Digital Y2, (U +/- V): further tests.
RD 1979/6	K. Hacking, I. Childs	Digital recording using hologram arrays: laser-beam deflection and modulation.

RD 1979/7	E.W.Taylor	The maximum permissible interchannel crosstalk for imperceptible restriction of stereophonic stage width.
RD 1979/8	D. Vinnell	Narrow-band f.m. systems for television links: u.h.f. Band V frequency availability.
RD 1979/9	R. Walker	A preliminary investigation into the measurement of time and frequency response of listening rooms and control cubicles.
RD 1979/10	M.E. Bailey	'CARFAX' traffic information service: requirements for the receiver.
RD 1979/11	C.R.G. Reed	The limitation of resolution of a colour television display by the sampling characteristics of the shadow mask.
RD 1979/12	G.H. Millard	Channel Islands television programme links: the design of a u.h.f. feed antenna for a 9.14 m diameter paraboloidal reflector.
RD 1979/13	D.J. Whythe	Modulation-delay equalisation applied to common-frequency h.f. circuits: an assessment of the likely improvement.
RD 1979/14	K. Hacking, J.L. Riley	Digital recording using hologram arrays: optical design for an experimental 100 Mbit/s recorder.
RD 1979/15	F.A. Bellis	A multichannel digital sound recorder.
RD 1979/16	K. Hacking, J.L. Riley	Digital recording using hologram arrays: development of the transducers for an experimental 100 Mbit/s recorder.
RD 1979/17	N.H.C. Gilchrist	Digital sound: sampling-rate synchronisation by variable delay.
RD 1979/18	R.V. Harvey	Satellite broadcasting: results of a preliminary coverage survey in the UK.
RD 1979/19	J.H. Causebrook, B. Tait	Ground-wave propagation in a realistic terrain.
RD 1979/20	J.A. Fox, P.L. Marsden	A metric terrain coder.
RD 1979/21	J. Middleton	Local oscillator radiation from television receivers.
RD 1979/22	C.D. Mathers	Design of the high-level studio monitoring loudspeaker type LS5/8.
RD 1979/23	K. Hacking, J.L. Riley	Digital recording using hologram arrays: some initial experiments in 100 Mbit/s recording.
RD 1979/24	A.P. Robinson	A statistical analyser for digital field strength data.
RD 1979/25	P.S. Gaskell	Spherical harmonic analysis and some applications to surround sound.
RD 1979/26	G.W. McNally	COPAS -- a high speed real-time digital audio processor.
RD 1979/27	G.H. Millard, R.D.C. Thoday, H.M. Price	Synchronisation of the Radio-4 (UK) transmitter chain on 200 kHz.
RD 1979/28	R.D.C. Thoday	Experimental v.h.f. ferrite aerials for car reception.
RD 1979/29	A. Roberts, K. Hacking	Surface-acoustic-waves: experimental device fabrication.
RD 1979/30	V.G. Devereux	Error protection techniques for longitudinal digital recording of audio and video signals.

1980	Author(s)	Title
RD 1980/1	A. Oliphant	Weston clean PAL.
RD 1980/2	P. Shelswell	'Carfax': an example of an f.m. signal generated using digital techniques.
RD 1980/3	R.A. Belcher, W.I. Manson, T.A. Moore	Digital sound: an investigation of delta-modulation/pulse-code-modulation analogue-to-digital conversion.
RD 1980/4	J.P. Chambers	Enhanced UK Teletext moves towards still pictures.
RD 1980/5	G.J. Phillips, P. Knight	The use of the 26 MHz band for satellite broadcasting.
RD 1980/6	E.W. Taylor	A study of peak multiplexed signal level in the context of 2 1/2- or 3-channel surround-sound transmissions.
RD 1980/7	J.H. Causebrook	Crystal Palace Band II tests: comparison of transmitted polarizations.
RD 1980/8	D.J. Meares, K.F.L. Lansdowne	Revised background noise criteria for broadcasting studios.
RD 1980/9	M. Weston	A set of time varying television test patterns.
RD 1980/10	D.J. Whythe	Interference caused by television receivers to reception at 200 kHz.
RD 1980/11	I. Childs	Colour operation of a solid state sensor telecine.
RD 1980/12	R. Walker, K.E. Randall	An investigation into the mechanism of sound-energy absorption in a low-frequency modular absorber.

RD 1980/13	M.G. Croll	The general design of a digital stills-storage system for use with an electronic rostrum colour camera.
RD 1980/14	R.P. Ritchie	Investigations on the use of a semiconductor laser source for transmission of baseband video over optical fibres.
RD 1980/15	W.I. Manson	Digital sound: studio signal coding resolution for broadcasting.
RD 1980/16	N.D. Wells	Digital transmission tests of multiplexed video and audio signals at 60 Mbit/s via the Orbital Test Satellite (OTS).

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	Author(s)	Title
RD 1981/1	R. Walker	Revision of the sound insulation requirements in broadcasting studio centres.
RD 1981/2	K.E. Randall	An investigation into the spectral content of pop music.
RD 1981/3	J.L.Eaton, R.V. Harvey	Satellite broadcasting: an experimental transmission of television with digital stereophonic sound.
RD 1981/4	S.R. Ely	VHF radio-data: experimental BBC transmissions.
RD 1981/5	G.H. Millard	The use of remote active deflectors for feeding u.h.f. relay stations.
RD 1981/6	C.D. Mathers	Acoustic scaling: a review of progress to date, and of possible future development.
RD 1981/7	A.P. Robinson, J.H. Causebrook	A digital field strength measuring receiver for l.f. and m.f.
RD 1981/8	R. Walker, P.H.C. Legate	The effect of fabric coverings on the acoustic performance of modular absorbers.
RD 1981/9	D.J. Meares, K.F.L. Lansdowne	Improvements to speech quality from a diving helmet.
RD 1981/10	G.W. McNally	Digital audio: recursive digital filtering for high quality audio signals.
RD 1981/11	A. Oliphant	An Extended PAL system for high-quality television.
RD 1981/12	M.A. Parker	Piezoelectric plastic transducers -- a feasibility study.
RD 1981/13	C.P. Bell, R.I. Black	Planning standards for v.h.f. and u.h.f. receiving aerial discrimination and height gains at domestic receiving locations.

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	Author(s)	Title
RD 1982/1	A.P. Robinson	A near field method for calibrating l.f./m.f. field strength measuring receivers.
RD 1982/2	S.R. Ely, D.T. Wright	L.F. radio-data: specification of BBC experimental transmissions 1982.
RD 1982/3	P. Knight	Radio-frequency ignition hazards: the power available from non-resonant structures.
RD 1982/4	E.W. Taylor	Relationships between normal-incidence and statistical absorption coefficients.
RD 1982/5	M.E. Bailey	Carfax: the effects of co-channel interference.
RD 1982/6	C.K.P. Clarke	Digital standards conversion: comparison of colour decoding methods.
RD 1982/7	A. Oliphant	Colour separation overlay and its relation to digital video sampling.
RD 1982/8	R. Walker, P.H.C. Legate	The design of a new wideband modular sound absorber.
RD 1982/9	P.S. Gaskell	Balancing artificial reverberation for television stereophony.
RD 1982/10	E.W. Taylor	Rank order difference analysis applied to tests of the Television Consistency Index.
RD 1982/11	P. Shelswell	A fibre-optic link for television outside broadcasts.
RD 1982/12	C.K.P. Clarke	High quality decoding for PAL inputs to digital YUV studios.
RD 1982/13	G.W. McNally	Digital audio: COPAS-2: a modular digital audio signal processor for use in a mixing desk.
RD 1982/14	K. Hacking	Surface-acoustic-wave transversal filters for pulse shaping in digital magnetic recording.
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RD 1982/16	P. Knight	Radio-frequency ignition hazards: the choice of reference aerial for available-power calculations.
RD 1982/17	G.H. Millard	The introduction of mixed polarization for VHF sound broadcasting: the Wrotham installation.
RD 1982/18	S.M. Edwardson	Stereophonic and two-channel sound in terrestrial television broadcasting.

RD 1982/19	V.G. Devereux	Tests on eight video p.c.m. codecs in tandem handling composite PAL and monochrome video signals.
RD 1982/20	S.T. Glass	A probability distribution analyser for TV signals.
RD 1982/21	P.S. Gaskell, W.I. Manson, T.A. Moore	Broadcast telephone speech: use of speech synthesis to extend the audio bandwidth.
RD 1982/22	M.E. Bailey	L.F./M.F. radio-data: mush-area reception tests.
RD 1982/23	R. Walker, M.M. Leather	The design of microcomputer-controlled equipment for the measurement of reverberation time.

1983	Author(s)	Title
RD 1983/1	E.W.Taylor	Some aspects of the transmission of sound through panels and of outside broadcast vehicle sound insulation.
RD 1983/2	J.L.Eaton, R.I. Black, G.H. Taylor	Interference to television reception from large wind turbines.
RD 1983/3	P.S. Gaskell	Subjective evaluations of recent productions of television with stereophonic sound.
RD 1983/4	E.W. Taylor	A preliminary study of the influence of room mode structure on sound absorption.
RD 1983/5	P. Knight	Medium frequency propagation: a survey.
RD 1983/6	R.P. Marsden	Digital video bit rate reduction: blanking elimination for sub-Nyquist 2fsc PAL.
RD 1983/7	J.L. Riley	Enhanced UK teletext: experimental equipment for high-quality picture coding and other enhancements.
RD 1983/8	A. Roberts	The improved display of 625-line television pictures.
RD 1983/9	P.A. Ratliff, J.H. Stott	Digital television transmission: 34 Mbit/s PAL investigation.
RD 1983/10	K.E. Randall, C.D. Mathers	The design of the prototype LS5/9 studio monitoring loudspeaker.
RD 1983/11	P. Knight	Radio-frequency detonation hazards: Multiple-transmission safety assessment of a detonator loop that may be resonant.
RD 1983/12	G.H. Millard, R.D.C. Thoday, D.J. Darlington	Aerials for use in television outside broadcasts.
RD 1983/13	E.W. Taylor, C.D. Mathers	Optical methods of measuring loudspeaker diaphragm movement.
RD 1983/14	R.P. Marsden	Optical fibre links for digital YUV signals.
RD 1983/15	P. Knight	Ionospheric propagation in the l.f. broadcasting band.
RD 1983/16	M.A. Parker	A range of combined error correction and recording channel code schemes.
RD 1983/17	G.W. McNally	Digital audio: dynamic range control of digital audio signals.
RD 1983/18	P. Shelswell	Satellite broadcasting: protection ratio requirements for enhanced transmissions using Extended PAL vision and digital sound signals.
RD 1983/19	S.R. Ely	Experimental digital stereo sound with terrestrial television: field-tests from Wenvoe, October 1983.

1984	Author(s)	Title
RD 1984/1	R.S. Sandell	The 'CARFAX' road traffic information system.
RD 1984/2	G.H. Millard	Intermodulation between VHF/FM broadcast transmitters and the protection of adjacent-band aeronautical services.
RD 1984/3	E.W. Taylor	The acoustic design of Outside Broadcast vehicles.
RD 1984/4	V.G. Devereux	Filtering of the colour-difference signals in 4:2:2 YUV digital video coding systems.
RD 1984/5	J.H.Stott	Digital transmission: 68 Mbits/s PAL field trial system.
RD 1984/6	J.O.Drewery	The present status of Clean PAL systems.
RD 1984/7	J.O. Drewery, R. Storey, N.E. Tanton	Video noise reduction
RD 1984/8	M.W. Harman, C. Gandy	A transportable satellite earth station.
RD 1984/9	P. Shelswell	Satellite broadcasting: the performance of C-MAC in a hardware simulation of a DBS transmission chain.
RD 1984/10	R. Storey	'Teletrak' -- a special effect.
RD 1984/11	N.H.C. Gilchrist	Digital sound: programme modulated noise levels in sound signals subjected to a number of digital companding processes.

RD 1984/12	G.H. Millard	The susceptibility of aeronautical navigational aids to interference from adjacent-band broadcast transmissions.
RD 1984/13	R.D.C. Thoday	A reflectometer unit for a 500 kW HF balanced screened feeder.
RD 1984/14	N.E. Tanton	Electronic generation of text for television.
RD 1984/15	C. Gandy	BBC receiving terminal for the European Orbital Satellite.
RD 1984/16	V.G. Devereux	Television Animation Store: digital chroma-key and mixer units.
RD 1984/17	A.J.Durey	Television animation store: recording pictures on a parallel transfer Magnetic disc.
RD 1984/18	R. Walker	Acoustic scaling: a re-evaluation of the acoustic model of Manchester Studio 7.
RD 1984/19	D.T. Wright	L.F. radio-data: specification of BBC phase-modulated transmissions on long-wave.
RD 1984/20	C.K.P. Clarke, N.E. Tanton	Digital standards conversion: interpolation theory and aperture synthesis.

1985	Author(s)	Title
RD 1985/1	M.A. Parker	The 20:16 block code for digital recording and transmission channels.
RD 1985/2	A.P. Robinson	An electronically-steerable active receiving array for h.f.
RD 1985/3	I. Childs	Further developments of CCD line-array telecine.
RD 1985/4	R. Storey	Electronic detection and concealment of film dirt.
RD 1985/5	A. Roberts	The improved display of 625-line television pictures: adaptive interpolation.
RD 1985/6	G.H. Taylor	An investigation of Band II field strengths: the Northampton experiment.
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RD 1985/9	J.P. Willson	Digital television routing systems: an introduction to integrated optical waveguide techniques and devices.
RD 1985/10	G.W. McNally, P.S. Gaskell, A.J. Stirling	Digital audio editing.
RD 1985/11	E.W. Taylor	Room modes and sound absorption: some practical measurements compared with theoretical predictions.
RD 1985/12	M.J. Knee	DBS pay television: picture signal scrambling.
RD 1985/13	W.I. Manson	Amplitude modulation radio broadcasting: application of companding techniques to the radiated signal.
RD 1985/14	C. Gandy	The performance of a satellite link using the BBC Transportable Earth Station with EBU-leased capacity in the European Communication Satellite system.
RD 1985/15	J.P. Chambers	Signalling in parity -- a brief history.
RD 1985/16	W.I. Manson	Digital coding ranges for use in an all-digital sound studio complex.
RD 1985/17	K.R. Slavin	The subjective effects of random bit errors in YUV component video signals.
RD 1985/18	N.D. Wells	Digital video: assessment of comb-filter design for sub-Nyquist PAL codecs.
RD 1985/19	J.H. Stott	Satellite sound broadcasting to fixed, portable and mobile radio receivers.

1986	Author(s)	Title
RD 1986/1	M.A. Parker	Experiments with digitally mastered LaserVision optical discs.
RD 1986/2	C.K.P. Clarke	Colour encoding and decoding techniques for line-locked sample PAL and NTSC television signals.
RD 1986/3	K.E. Randall	Design of a prototype moving-coil high-frequency loudspeaker drive unit.
RD 1986/4	R.S. Sandell, J. Malcolm-Coe	Review of VHF Band I field strength prediction.
RD 1986/5	R. Storey	HDTV motion adaptive bandwidth reduction using DATV.
RD 1986/6	G.H. Millard, R.D.C. Thoday	Compatibility of Band II broadcast transmissions at frequencies below 105 MHz with private mobile radio in the band 105-108 MHz.
RD 1986/7	P. Shelswell, A.P. Robinson, R.P. Ritchie, P.R. Durrant	VSB 2-PSK: a modulation system for digital sound with television.

RD 1986/8	R.Walker	The measurement of large values of airborne sound insulation.
RD 1986/9	R.P. Marsden, J.T. Zubrzycki	Digital television routing systems: an experimental optical switching matrix.
RD 1986/10	M. Weston	Development of Slide File -- a digital store for TV stills.
RD 1986/11	S.M. Edwardson	A conditional access system for direct broadcasting by satellite.
RD 1986/12	P. Shelswell, J.P. Willson	Satellite broadcasting: differential demodulation of a 2-4 PSK signal using a three-port SAW delay line.
RD 1986/13	G.H. Taylor, D.S. Cox	VHF-FM radio broadcasting: tests to compare horizontal, vertical and mixed polarisations.
RD 1986/14	M.A. Stone	A variable-standards camera and its use to investigate the parameters of an HDTV studio standard.
RD 1986/15	F.A. Bellis, M.A. Parker	An experimental helical scan DVTR.
RD 1986/16	A.P. Robinson	The permissible level of lower sideband radiation from a UHF TV transmitter
RD 1986/17	R.S. Sandell, C.P. Bell, D.W. Taplin	Review and analysis of VHF/UHF field strength measurements: measurements at VHF over path lengths greater than 100 km
RD 1986/18	P. Knight, W.F. Williams	LF and MF sky-wave propagation: a comparison of measurements made at sunset and sunrise

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RD 1987/1	D.J. Meares	A survey of achieved levels of airborne sound insulation in broadcasting studio centres.
RD 1987/2	D.J. Darlington	VHF radio broadcasting: Propagation and diversity reception of mixed polarised signals over a sea path.
RD 1987/3	J.H. Stott, P. Shelswell	HDTV broadcasting by satellite: Some factors which affect the link budget.
RD 1987/4	A. Roberts	SPECOL: A colorimetric measurement system.
RD 1987/5	J.L. Riley	A review of the semiconductor storage of television signals: Part 1 -- Historical introduction and design philosophy.
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RD 1987/7	J.H. Stott, P.R. Durrant	A digital audio link to the Channel Islands in the UHF television band: protection of television signals from digitally modulated interference.
RD 1987/8	M.C.D. Maddocks, A.P. Robinson	A digital audio link to the Channel Islands in the UHF television band: planning considerations
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RD 1987/10	P. Shelswell, J.H. Stott	The criterion of equal integrated quality: An improved method of planning DBS systems.
RD 1987/11	G.A. Thomas	Television motion measurement for DATV and other applications.
RD 1987/12	M.G. Croll, V.G. Devereux, M. Weston	Accommodating the residue of processed or computed digital video signals within the 8-bit CCIR recommendation 601.
RD 1987/13	S. Wakeling	Band II VHF antenna for home construction.
RD 1987/14	J.H. Moore	Improvements to a UHF rebroadcast television link suffering tidal fading: Countisbury UHF relay station.
RD 1987/15	E.W. Taylor	Theoretical and practical aspects of the "Functional Absorber" method of arranging sound absorbing panels.
RD 1987/16	J.H. Stott	Digital video bit-rate reduction: DPCM for sub-Nyquist PAL.
RD 1987/17	A.G. Lyner	Experimental radio data system (RDS): A survey of reception reliability in the UK.
RD 1987/18	C.K.P. Clarke	Future television systems: Comparison of sequential and interlaced scanning.
RD 1987/19	M.J. Knee	Designing variable-length codes with good error-recovery properties.
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RD 1987/22	V.G. Devereux	Limiting of YUV digital video signals.
RD 1987/23	A.P. Robinson	The relationship between vision carrier-to-noise ratio and picture signal-to-noise ratio in a System I television receiver.
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RD 1988/1	J.P. Chambers	Datacast: the transmission system.

RD 1988/2	E.W. Taylor	The assessment of the colorimetric properties of light sources for use in television scene lighting.
RD 1988/3	R.P. Marsden, J.T. Zubrzycki, J.P. Willson	Digital television routing systems: A survey of optical and electrical techniques.
RD 1988/4	D.G. Kirby	Television animation store: control system operation and implementation.
RD 1988/5	E.W. Taylor, K.F.L. Lansdowne, R.J. Peill	The development of prototype sound absorbers with variable characteristics.
RD 1988/6	M.C.D. Maddocks	A flat-plate antenna for DBS reception.
RD 1988/7	M.C.D. Maddocks, D.H. Boardman	Polarisation converters for a DBS flat-plate antenna.
RD 1988/8	M.C.D. Maddocks	Array elements for a DBS flat-plate antenna.
RD 1988/9	M.J. Knee, N.D. Wells	Bandwidth compression for HDTV broadcasting: Investigation of some adaptive subsampling strategies.
RD 1988/10	D.T. Wright	Conditional access broadcasting: Datacare 2 An over-air enabled system for general purpose data channels.
RD 1988/11	C.K.P. Clarke	PAL decoding: Multi-dimensional filter design for chrominance--luminance separation.
RD 1988/12	A. Oliphant, K.J. Taylor, N.T. Misson	The visibility of noise in System I PAL colour television.
RD 1988/13	J.D. Newland	Investigation of mutual interference between digitally modulated signals.
RD 1988/14	C.D. Mathers	On the design of loudspeakers for broadcast monitoring.
RD 1988/15	C.P. Bell, W.I. Manson, W.F. Williams, et al	Implementation of amplitude modulation companding in the BBC MF national networks.

1989	Author(s)	Title
RD 1989/1	J. Middleton	Protection of VHF International Distress Frequencies from harmonic radiation due to digital television equipment.
RD 1989/2	R. Walker, C.D. Mathers	The control of the audible effects of ground vibrations in building structures.
RD 1989/3	C.D. Mathers, R. Walker	Some properties of antivibration mounts used in building isolation.
RD 1989/4	D. Kail	Direct radio broadcasting by satellite (DRBS): a review of the technical factors and system approaches suitable for mobile and fixed reception.
RD 1989/5	J.H. Stott	Satellite broadcasting: requirements for the receiving antenna.
RD 1989/6	A. Oliphant (edited by).	The first year's work of RACE Project 1036 WTDM broadband customer premises network.
RD 1989/7	K.L. Beeke	Use of an HF active monitoring array in the presence of high level interference.
RD 1989/8	M.J. Knee, N.D. Wells	Comparison of DPCM prediction strategies for high-quality digital television bit-rate reduction.
RD 1989/9	N.E. Tanton, M.A. Stone	HDTV displays: subjective effects of scanning standards and domestic picture sizes.
RD 1989/10	G.A. Thomas	HDTV bandwidth reduction using motion compensation and DATV.
RD 1989/11	J. Middleton	Prediction of VHF/UHF mobile reception in urban areas: comparison with measurements in London
RD 1989/12	S. Wakeling	Beamforming devices and feed structures for a DBS flat-plate antenna.
RD 1989/13	P.R. Burfield	A digital HDTV recorder using a cluster of four D1 DVTRs.
RD 1989/14	C.K.P. Clarke	Digital video: studio signal processing.
RD 1989/15	C.P. Bell	Long-distance propagation measurements at UHF: Comparisons between results using BBC and CCIR prediction methods
RD 1989/16	C.D. Mathers, M.D.M. Baird	A simple means of improving the quality of speech from a diving helmet.
RD 1989/17	A. Oliphant, R.E. Vialls et al	A waveform capture and storage unit and its use for investigating disturbances on digital transmission links.

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RD 1990/1	R.D.C.Thoday	Antennas for portable VHF-FM receivers.
RD 1990/2	A. Roberts	HDTV -- a chance to enhance television colorimetry.
RD 1990/3	R.D.C. Thoday	Electric field strength meters for the HF, VHF, and UHF bands.
RD 1990/4	S. Wakeling	Electromagnetic field exposure in broadcast environments.

RD 1990/5	D.G. Kirby, A.B. Gentles	Digital audio editing: the development of a random access editor.
RD 1990/6	A.J. Bower	NICAM 728 -- digital two-channel sound for terrestrial television.
RD 1990/7	J.H. Stott	Satellite broadcasting: a common-frequency approach to wideband HDTV with a hand-made example 'plan'.
RD 1990/8	J.A. Fletcher	A practical study of a vibration isolated room.
RD 1990/9	K.L. Beeke, A.G. Lyner	NICAM 728: factors affecting the assessment of UHF transmitter linearity.
RD 1990/10	R. Walker	A review of the airborne sound insulation requirements for broadcasting studios and ancillary areas.
RD 1990/11	S.C. Dabner	Real-time motion measurement hardware: phase correlation unit.
RD 1990/12	N.J. Laffin, D.J. Darlington, R.A. Salmon	The provision of circuits to outside broadcast locations using spectrum within the UHF broadcasting bands.
RD 1990/13	G.D. Plumb	Proving experiments on an Acoustic Transmission Suite and its reverberation room.
RD 1990/14	C.H. Williams	The computer simulation of digital recording systems.
RD 1990/15	R. Walker	The design and application of modular, acoustic diffusing elements.
RD 1990/16	N.H.C. Gilchrist	Digital sound: subjective tests on low bit-rate codecs.

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RD 1991/2	P. Shelswell, C.P. Bell, J.H. Stott et al	Digital Audio Broadcasting: the first UK trial.
RD 1991/3	C.D. Mathers	A study of sound balances for the hard of hearing.
RD 1991/4	J.O. Drewery	Image scanning using a fractal curve.
RD 1991/5	C. Gandy	Satellite links for television contribution: reception requirements for links using transportable transmitting earth stations.
RD 1991/6	A. Roberts	Methods of measuring and calculating display transfer characteristics (γ).
RD 1991/7	J.A. Fletcher	The interaction of acoustic treatment in an experimental sound control room.
RD 1991/8	J. Middleton	VHF (Band II) propagation tests across the Irish Sea.
RD 1991/9	G.D. Plumb	The airborne sound insulations of timber-framed partitions.
RD 1991/10	G.D. Plumb	The airborne sound insulations of metal-framed partitions.
RD 1991/11	R.S. Sandell, R.W. Lee, C.P. Bell	Field strength prediction for VHF/UHF terrestrial broadcasting and mobile radio services
RD 1991/12	A.G. Lyner	The Beverage antenna: a practical way of assessing the radiation pattern using off-air signals.
RD 1991/13	D.J. Meares	Developments in multichannel sound for HDTV.
RD 1991/14	D.J. Meares	HDTV sound: programme production developments.
RD 1991/15	C. Gandy	Radio-cameras: the development of radio systems for portable cameras used in television production.
RD 1991/16	J.L. Riley, A.K. McParland	RDS-ALERT: a proposed Traffic Message Channel (TMC) feature for the Radio Data System (RDS).

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RD 1992/1	D.T. Wright, D.R. Cornell	UHF television reception: Ghost images from very large buildings.
RD 1992/2	C.D. Mathers	On minimising noise problems caused by passenger lifts in studio centres.
RD 1992/3	G.D. Plumb	Optimum methods for the measurement of the absorption coefficients of materials.
RD 1992/4	G.D. Plumb	An investigation of the effects of boundary constraints on the sound insulations of lightweight, double leaf partitions.
RD 1992/5	C. Gandy	Helitrak: a helicopter-tracking receiver system for television outside broadcast links.
RD 1992/6	M.G. Croll, J.O. Drewery, et al	An example of a phase-segregated enhanced PAL broadcasting system.
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RD 1992/9	R. Walker	Low-frequency room responses: Part 2 -- Calculation methods and experimental results.
RD 1992/10	J.A. Fletcher	The design of a modular sound absorber for very low frequencies.
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RD 1992/12	A.D.R. Cotton, N.D. Wells	Experiments with the HIVITS HDTV contribution codec.
RD 1992/13	A. Roberts	Measurement of display transfer characteristics using test pictures.
RD 1992/14	J.A. Green	Building penetration loss measurements for DAB signals at 211 MHz.

1993	Author(s)	Title
RD 1993/1	N.H.C. Gilchrist	Digital sound: the selection of critical programme material and preparation of recordings for CCIR tests on low bit-rate codecs.
RD 1993/2	N.H.C. Gilchrist, A.J. Oxenham	Digital sound: subjective tests on commentary-quality codecs.
RD 1993/3	C.P. Bell, W.F. Williams	Coverage aspects of a Single Frequency Network designed for Digital Audio Broadcasting
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RD 1993/5	G.D. Plumb	Metal-framed partitions with reduced thicknesses: Part 1 -- Narrower studs and cavities.
RD 1993/6	G.D. Plumb	Metal-framed partitions with reduced thicknesses: Part 2 -- Built-in acoustic treatment.
RD 1993/7	N.H.C. Gilchrist	Dynamic range control of audio signals by digital signal processing.
RD 1993/8	R. Walker	Optimum dimension ratios for studios, control rooms and listening rooms.
RD 1993/9	A.J. Mason	The HDTV digital audio matrix.
RD 1993/10	M.C.D. Maddocks	An introduction to digital modulation and OFDM techniques.
RD 1993/11	M.C.D. Maddocks, I.R. Pullen	Digital Audio Broadcasting: comparison of coverage at different frequencies and with different bandwidths.
RD 1993/12	M.B.R. Lee	Predicted coverage of a COFDM Single Frequency Network for UHF digital terrestrial TV broadcasting
RD 1993/13	R.H. Evans, C.E. Melvin, J.T. Zubrzycki	The development of the switched-horn radio-camera system.
RD 1993/14	R.H. Evans	RINSE: a digitally implemented flywheel sync regenerator for improved video synchroniser performance.
RD 1993/15	A. Oliphant, C.D. Mathers, Project Partners	Final Report of RACE Project 1036: WTDm Broadband Customer Premises Network.

1994	Author(s)	Title
RD 1994/1	C.R.Nokes	Implementation of amplitude modulation companding using a digital signal processor.
RD 1994/2	N.D. Wells	Bit-rate reduction of digital television for transmission: An introductory review.
RD 1994/3	C.P. Bell, P.J. Brightwell, N.J. Misson, R.F. Rudd, W.F. Willia	Measurements of wideband multipath propagation at 531MHz and 1.265GHz
RD 1994/4	J.A. Fletcher	Multi-channel sound for HDTV: Subjective tests on sound channel configuration
RD 1994/5	R. Walker	Maximal-length sequence methods: Acoustic measurements in the presence of high levels of extraneous noise.
RD 1994/6	R. Walker	Acoustic noise criteria for listening rooms and control rooms.
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RD 1994/8	G.D. Plumb	The sound insulations of metal-framed partitions having structural loadbearing properties.
RD 1994/9	J.L. Riley	DAB: Multiplex and system support features.
RD 1994/10	P.N. Tudor, N.D. Wells	Digital video compression: Standardisation of scalable coding schemes.
RD 1994/11	R. Walker	High frequency room responses : Acoustic design and the control of stereophonic image quality
RD 1994/12	M.D.M. Baird	A wideband absorber for television studios.
RD 1994/13	N.H.C. Gilchrist	DRACULA: Dynamic range control for broadcasting and other applications.

RD 1994/14	G.D. Plumb, R. Clark	The sound insulations of studio doors: Part 1: Door Blanks.
RD 1994/15	G.D. Plumb, R. Clark	The sound insulations of studio doors: Part 2: Door seals.
RD 1994/16	I.R. Pullen, P.J. Doherty, M.C.D. Maddocks	Digital Audio Broadcasting: Comparison of coverage at Band II and Band III.
RD 1994/17	G.A. Thomas	Com3: A Composite-Compatible Component coding system.
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RD 1995/1	R. Walker, M.D.M. Baird.	Modular acoustic diffuser: The development and performance of a modular acoustic diffuser.
RD 1995/2	M.C.D. Maddocks, I.R. Pullen, J.A. Green.	Digital Audio Broadcasting: Measuring techniques and coverage performance for a medium power vhf single frequency network.
RD 1995/3	R. Walker	Controlled Image Design: The measurement of Time-Frequency responses.
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RD 1995/5	R. Walker	Controlled Image Designs: Results from the first installations.
RD 1995/6	G.D. Plumb	Lightweight partitions having improved low frequency sound insulations.
RD 1995/7	G.D. Plumb	Further investigations of partitions having built-in acoustic treatment.
RD 1995/8	A.K. McParland, N.H.C. Gilchrist	Low-delay predictive audio coding for the HIVITS HDTV codec.
RD 1995/9	A. Roberts	A television colorimetry: A tutorial for system designers.
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RD 1995/11	A.J. Bower, C.K.P. Clarke, A.P. Robinson.	Line Shuffling: Development of a scrambling system for terrestrial UHF television broadcasts.
RD 1995/12	J.C.W. Newell.	Archive retrieval: Techniques for image enhancement.
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RD 1995/14	T. Vlachos, M.G. Croll	Digital HDTV bit-rate reduction in the studio
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RD 1996/2	P.A. Sarginson.	MPEG-2: Overview of the systems layer.
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RD 1996/4	G.Stoll and N.H.C. Gilchrist.	ISO/IEC MPEG-2 AUDIO: Bit-rate-reduced coding for two-channel and multichannel sound.
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