

Index: Electronic Engineering

January: December 1969

	Page		
A		Acoustic delay devices, by R. C. Kumar and R. P. Wadhwa. An introduction to acoustic delay devices with respect to frequency of operation	March 372
		Aluminium electrolytic capacitors, performance characteristics of, by A. T. Pitt	Sept 33
		Discuss leakage, capacitance, power factor and service life.	
B		Branching loss in t.b. cell-less duplexers, by M. M. Brady.	May 42
		Theory of t.b.-less duplexer is given together with equations and design curves.	
C		Cables drive unit, high-speed, by B. C. Hant	May 72
		Theory and design of a circuit to drive fast pulses along low impedance cables.	
		Cardiothoracic surgery, a monitor system for, by A. R. McGough and R. D. McDonald.	Nov. 57
		Theatre monitoring facilities for data presentation.	
		Class A amplifier, optimum design of, by C. F. Ho	Sept. 49
		Describes the determination of optimum operating point of a common emitter circuit.	
		Coaxial attenuator design, by T. Spence	April 524
		Complete design theory together with design curves for use in the u.h.f. band	
		Component protection, progress in, by T. Pellew and K. Gilkes	Oct. 46
		Reviews the latest technology in protective coatings	
		Computer aided design of microwave circuits, by F. E. Emery and G. J. Policky	Dec. 41
		A general purpose program for the analysis of ladder type networks.	
		Component development in West Germany. Seimens report.	June 10
		The influence of electro-mechanical components on packing density.	
		Correlation methods, by R. A. Cutting, G. M. Edge, R. C. Hook, I. H. Quayle and R. J. Saville-Smith	Oct. 48
		Reviews the mathematical basis for correlation and ways of automatically extracting functions.	
		Cross-correlation analyser using a p.r.b.s. by H. Wilson	May 66
		Application of cross-correlation to system identification.	
		Counting, basic logical approach to, by P. Brackne	April 515
		A non-mathematical approach to the build-up of counters from the basic logic NAND element.	
		Crystal growth, research improves, by Staff EE Feature.	Nov. 25
		An analysis of the photo-electric effect in bulk semi-conductors, and advances in crystal research.	
		Commutating and interfacing with junction and MOS FETs, by D. Hargrave.	Dec. 56
		Technique based on the f.e.t. as an analogue switch.	
D		Delay generation in asynchronous logic systems, by D. W. Lewin.	March 356
		A technique for designing pulse generators using standard logic practice.	
		D.C. reference voltage circuit with fine and coarse adjustment of magnitude, by H. A. Cole	July 13
		An inexpensive circuit with adjustment over the range 0V to 5V.	
		Digital wave form synthesis by E. T. Powner, D. H. Green and G. T. Taylor	Aug. 50
		Circuit description and applications of apparatus capable of synthesising the simplest or most complex waveform.	
		Digital 16-bit memory cell functional tester, by A. Nguyen-Huu	April 484
		Description of a circuit for testing a HL TTL memory cell.	
		Digitally-controlled variable-gain linear d.c. amplifier, by A. Sedra and K. C. Smith	March 362
		A d.c. amplifier with gain variable from 0 to 25.5 in steps of 0.1.	
		Drift stabilised operational amplifier, by J. O. Gray and J. C. S. Yu	Aug. 55
		A general purpose operational amplifier for analogue and parallel logic computers.	
		Dual channel pulse train generator for stimulation of physiological preparations, by Hinshelwood and Seabridge	July 29
		A method for alternating the periods of stimulation between transverse muscle stimulation and neural excitation.	
		Dual polarity astable multivibrator, by C. F. Ho	Feb. 230
		A circuit is described which produces positive and negative pulses over a wide frequency range	
E		Electronic metronome using a novel frequency divider, by J. M. Townsend.	Feb. 224
		Circuit produces a 'beat' and 'bar' output variable over a 10:1 ratio from 1 cycle/3 seconds.	
		Emitter-follower as a constant voltage source, by G. N. Patchett	Feb. 205
		Article deals with good design factors and describes a compensating circuit and current limit protection.	
		Error detecting capabilities of parity codes, by R. Halkon	July 38
		A brief explanation of row, column and diagonal parity.	
F		FET amplitude modulator, analysis of an, by W. N. Cheung	July 50
		Uses the concept of variable transconductance in analysis and design	
		FET Sample and hold circuit using error-corrective feedback by E. T. Powner and A. F. J. O'Shea	Feb. 209
		A system is described which has a 1 MHz sampling rate with a hold accuracy better than 5 mV.	
		Field-effect transistors, some applications of, by E. E. Staff	Sept. 18
		Describes a number of amplifier, oscillator and Schmitt trigger configurations.	
		Fire detection system, solid-state, by C. A. Griffiths	Jan. 62
		An inexpensive system designed to meet B.S.3116	
		Flexible printed wiring. Electroprints Ltd report.	Oct. 29
		Reviews some recent applications.	
		Foetal heart rate monitor, by J. Simcock	Nov. 54
		Describes equipment for obtaining biological signals from an unborn child	
		Function generator, a hypotenuse, by D. P. Franklin	Jan. 63
		Describes a piece-wise-linear biode function generator with an accuracy better than 1%.	

AUTHORS INDEX

A Ask, F.	June	13	Mundl, W. J.	Feb.	215
Austin, G. L.	July	44	Murray, C. J.	Dec.	46
B Bladel, J. van	June	29	N Narud, J. A.	July	17
Bracht, E. J.	Jan.	94	Nguyen-huu, Anh.	April	484
Brackne, P.	April	515	Nicoud, J. D.	Nov.	40
Brady, J. Michael	Feb.	198	O O'Shea, A. F. J.	Feb.	209
	May	42	P Pacak, M.	Sept.	24
Bramham, P.	April	491	Pantic, D. M.	March	368
Brown, R. W.	Dec.	50	Patchett, G. N.	Feb.	205
Balmer, L.	March	349	Pellew, T.	Oct.	46
C Cakulev, T. I.	March	346	Phillips, V. J.	Sept.	29
Casse, J. L.	June	34	Pitt, A. T.	Sept.	33
Cheung, W. N.	Feb.	211	Policky, G. J.	Dec.	41
	July	50	Powner, E. T.	Aug.	50
Chinmulgund, N. D.	Jan.	58	Q Quayle, I. H.	Oct.	48
Clarke, J.	March	365	R Richardson, C. E.	Feb.	200
Cockin, J. A.	Jan.	79	Roberts, V. C.	April	496
Cole, H. A.	July	13	Robinson, F. N. H.	Feb.	218
Cozens, A. G.	Oct.	22		Mar.	353
Cutting, R. A.	Oct.	48		April	520
D Danilovic, D. Z.	Feb.	211		May	77
Dean, K. J.	April	488	S Saville-Smith, R. J.	Oct.	48
Dunlop, J.	Sept.	29	Seabridge, A. G.	July	29
Dunn, P. A.	Oct.	42	Sedra, A.	Mar.	362
E Edge, G. M.	Oct.	48	Seelback, W. C.	July	17
Emery, F. E.	Dec.	41	Simcock, J.	Nov.	54
Evans, F. C.	Nov.	43	Smith, K. C.	Mar.	362
F Franklin, D. P.	Jan.	63	Sobajic, M. V.	Feb.	221
Frater, R. H.	Dec.	46	Spence, T.	April	524
G Gilkes, K.	Oct.	46	Spetsakis, A.	Aug.	46
Gray, J. D.	May	34	Staalduin, J. van	June	17
	Aug.	55	St. Amour, G.	Jan.	94
Green, D. H.	Aug.	50	Stephenson, G. W.	May	52
Griffiths, C. A.	Jan.	62		June	44
Grove, D. J.	June	23	Stevens, R. A.	Jan.	82
H Halkon, R.	July	38	Stojanovic, B. M.	Mar.	346
Hall, K. S.	Feb.	144	Stuttard, B.	Feb.	190
Hargrove, D.	Dec.	56	Symons, L. R. P.	Nov.	35
Hart, B. L.	May	72	T Takeshima, T.	Jan.	70
Hetherington, G.	May	52		Feb.	201
	June	29	Taylor, G. T.	Aug.	50
Hinshelwood, J. W.	July	29	Tomlin, J. E.	Oct.	26
Ho, C. F.	Feb.	230	Townsend, J. M.	Feb.	224
	Sept.	49	Tucker, M. J.	Sept.	37
Hockaday, C. H.	May	57	V Veselinovic, D. I.	Feb.	221
Holden, J.	Oct.	33	W Wadhwa, R. P.	Mar.	372
Holl, T.	July	23	Walters, R. P.	Mar.	338
Hook, R. C.	Oct.	48	White, F.	Feb.	229
Hunter, C. A.	Sept.	37	Williams, P.	May	40
I Ingerfield, M.	Nov.	47	Willoughby, E.O.	Dec.	61
Isogan, Y.	Feb.	201	Wilson, H.	May	66
J Jackson, M. J.	May	34	Wilson, L. H.	Nov.	32
K Karakatsanis, J.	August	46	Winterburn, J. A.	May	52
King, R. C. M.	August	40	Y Young, R. G.	June	44
Klein, G.	March	378	Yu, J. C. S.	Sept.	41
Kouvaras, N.	Jan.	73	Z Zafiropolous, P.	Aug.	55
Kosta, S. P.	March	376		March	360
Kracht, U.	Jan.	90			
Kubo, A. M.	July	34			
Kuijk, K. E.	March	378			
Kumar, R. C.	Feb.	214			
	Mar.	372			
L Lagoyannis, D.	Jan.	73			
Lewin, D. W.	Mar.	356			
Lewis, C. P.	Mar.	349			
Llanwyn Jones, D.	Jan.	97			
M Macario, R. C. V.	Jan.	66			
	Jan.	76			
Mack, A. R.	Jan.	94			
Malesani, L.	Jan.	84			
McDonald, R. D.	Nov.	57			
McGough, A. R.	Nov.	57			
Michalowicz, T.	Oct.	33			