

The Post Office Electrical Engineers' Journal

INDEX

VOLUME 66

(April 1973–January 1974)

	PAGE NO.		PAGE NO.
A			
Active Devices, The 60 MHz F.D.M. Transmission System: Evaluation of	143	Carrier-Frequency-Generating Equipment, The 60 MHz F.D.M. Transmission System:	150
ALLEN, B. N. S. Development of Group-Delay Measuring Sets	47	Channel Translating Equipment, New Generation	103
Associate Section National Committee Report, The	268	Charging over Subscribers' Lines, Local-Battery	73
Associate Section Notes	58, 122, 265	Civil Engineering Requirements for the Cable Route, The 60 MHz F.D.M. Transmission System:	188
B			
BAKER, D. The 60 MHz F.D.M. Transmission System: Evaluation of Active Devices	143	CLOW, D. G. Steel Masts and Towers in the British Post Office—Part 1—Principles	231
BAKKER, H. L., BOLTON, L. J., and WELLER, J. M. The 60 MHz F.D.M. Transmission System: Test Results of a Field Trial	202	Coaxial Cables, High-Frequency Studies on	246
BARFOOT, D. W., and STOATE, K. W. Stored Program Control for Telephone Exchanges: The World Scene	219	Coaxial Line Systems, A New Power-Feeding Equipment for Code Translator for the Letter-Sorting System, A New—Part 2—The Code-Sort Translator: Design and Testing	2
BARTLETT, G. A., and PRITCHETT, J. The 60 MHz F.D.M. Transmission System: Cable Design and Manufacture	158	Part 3—The Drum-Storage and Data-Handling Systems	64
Battery Charging over Subscribers' Lines, Local-	73	COLLINS, R. A., WHITE, D. E., and HALL, P. M. A Time-Division Multiplexing Equipment for the Datal Services	77
BELTON, R. C. and SMITH, M. A. Introduction to the British Post Office Experimental Packet-Switching Service (E.P.S.S.)	216	Computer for the British Post Office Telecommunications Headquarters. The Evaluation of a New	86
BISSELL, D. R., KING, W. T., and GIBBONS, R. B. The 60 MHz F.D.M. Transmission System: Cable Installation	192	Construction Practice for Transmission Equipment	25
BLACKHALL, R. W. E. Frequency-Division-Multiplex Equipment	38	Control for Telephone Exchanges, Stored Program: The World Scene	219
BOLTON, L. J., and PRITCHETT, J. The 60 MHz F.D.M. Transmission System: Some of the Design Problems	133	Cordless Switchboard System No. 1, Queueing Problems in the	225
BOLTON, L. J., WELLER, J. M., and BAKKER, H. L. The 60 MHz F.D.M. Transmission System: Test Results of a Field Trial	202	CRANK, G. J. and HATHAWAY, H. A. High-Frequency Studies on Coaxial Cables	246
Book Reviews 9, 17, 31, 46, 85, 90, 111, 118, 173, 191, 230, 239,	268	CRANK, G. J., and SMITH, H. O. J. The 60 MHz F.D.M. Transmission System: Loss and Gain Measuring set	182
BREARY, D. A. Long Term Study of the United Kingdom Trunk Network—Part 1—General Methodology: Forecasts: Plant Study	210	Crosstalk Measurements, Logarithmic Frequency Plotter Speeds the Recording of	112
BUFFIN, J. D., and HALL, B. The 60 MHz F.D.M. Transmission System: The Line System	135	D	
BUNDY, R. C. H., STILL, L. H., and STEPHENS, W. J. B. The 60 MHz F.D.M. Transmission System: Cable Testing	174	Datal Services, A Time-Division Multiplexing Equipment for the	77
C			
Cable Design and Manufacture, The 60 MHz F.D.M. Transmission system:	158	Dependent Repeaters, The 60 MHz F.D.M. Transmission System: Housings for	167
Cable Installation, The 60 MHz F.D.M. Transmission System:	192	DERWICK, P. W., GARWOOD, G. J., and MEPHAM, R. C. A New Code Translator for the Letter-Sorting System—Part 3—The Drum Storage and Data Handling Systems	64
Cable Jointing, The 60 MHz F.D.M. Transmission System:	170	Design and Manufacture, The 60 MHz F.D.M. Transmission System: Cable	158
Cable Maintenance, The 60 MHz F.D.M. Transmission System:	198	Design Problems, The 60 MHz F.D.M. Transmission System: Some of the	133
Cable Route, The 60 MHz F.D.M. Transmission System: Civil Engineering Requirements for the	188	Development of Group-Delay Measuring Sets	47
Cables in Ducts, The Estimation of Pulling Tensions for—A Guide for Planners	252	Devices, The 60 MHz F.D.M. Transmission System: Evaluation of Active	143
Cable Testing, The 60 MHz F.D.M. Transmission System:	174	DHANJAL, A. S., and ELKINS, A. H. Time Interval Measuring Equipment (T.I.M.E.)	10
Cable Test Vans, The 60 MHz F.D.M. Transmission System:	179	Division-Multiplex Equipment, Frequency-	38
Cabling Across Estuaries	114	Document Transmission, A Fresh Look at Facsimile for Ducts, The Estimation of Pulling Tensions for Cables in—A Guide for Planners	252
Cabling Equipment, A Progress Report on Heavy	53	E	
		Earth-Station Equipment for Intelsat IV Satellites	91
		Editorial	1, 63, 131, 209
		Efficiency in the Telecommunications Motor Transport Fleet	32

	PAGE NO.		PAGE NO.
ELKINS, A. H., and DHANJAL, A. S. Time Interval Measuring Equipment (T.I.M.E.)	10	HALL, B., and JACKSON, J. A. A New Power-Feeding Equipment for Coaxial Line Systems	240
Equipment, A Progress Report on Heavy Cabling	53	HALL, P. M., WHITE, D. E., and COLLINS, R. A. A Time-Division Multiplexing Equipment for the Datal Services	77
Equipment, Construction Practice for Transmission	25	HARRIS, C. R. Logarithmic Frequency-Plotter Speeds the Recording of Crosstalk Measurements	112
Equipment, Frequency-Division-Multiplex	38	HARRISON, K. R., and FRANKS, F. A. The 60 MHz F.D.M. Transmission System: Frequency-Translating Equipment	144
Equipment (T.I.M.E.) Time Interval Measuring	10	HARVEY, C., and SONGHURST, D. J. Queueing Problems in the Cordless Switchboard System No. 1	225
Estuaries, Cabling Across	114	HATHAWAY, H. A., and CRANK, G. J. High-Frequency Studies on Coaxial Cables	246
Evaluation of Active Devices, The 60 MHz F.D.M. Transmission System:	143	Heavy Cabling Equipment, A Progress Report on	53
Evaluation of a New Computer for the British Post Office Telecommunications Headquarters, The	86	High-Frequency Studies on Coaxial Cables	246
Exchanges, Stored Program Control for Telephone: The World Scene	219	Housings for Dependent Repeaters, The 60 MHz F.D.M. Transmission System:	167
Experimental Packet-Switching Service (E.P.S.S.), Introduction to the British Post Office	216	HUGHES, L. E., and WALKER, D. C. The 60 MHz F.D.M. Transmission System: Carrier-Frequency-Generating Equipment	150
F			
Facsimile for Document Transmission, A Fresh Look at F.D.M. Transmission System, The 60 MHz: Cable Design and Manufacture	18	I	
F.D.M. Transmission System, The 60 MHz: Cable Installation	158	Installation, The 60 MHz F.D.M. Transmission System: Cable	192
F.D.M. Transmission System, The 60 MHz: Cable Jointing	192	Institution of Post Office Electrical Engineers	124, 207, 269
F.D.M. Transmission System, The 60 MHz: Cable Maintenance	170	Intelsat IV Satellites, Earth-Station Equipment for	91
F.D.M. Transmission System, The 60 MHz: Cable Testing	198	International Teletraffic Congress, Stockholm, 1973, The Seventh	224
F.D.M. Transmission System, The 60 MHz: Cable Test Vans	174	Interval Measuring Equipment (T.I.M.E.), Time	10
F.D.M. Transmission System, The 60 MHz: Carrier-Frequency-Generating Equipment	179	J	
F.D.M. Transmission System, The 60 MHz: Civil Engineering Requirements for the Cable Route	150	JACKSON, J. A., and HALL, B. A New Power-Feeding Equipment for Coaxial Line Systems	240
F.D.M. Transmission System, The 60 MHz: Evaluation of Active Devices	188	JAMISON, M. L. The Evaluation of a New Computer for the British Post Office Telecommunications Headquarters	86
F.D.M. Transmission System, The 60 MHz: Foreword	143	Jointing, The 60 MHz F.D.M. Transmission System: Cable	170
F.D.M. Transmission System, The 60 MHz: Frequency-Translating Equipment	132	K	
F.D.M. Transmission System, The 60 MHz: Housings for Dependent Repeaters	144	KING, W. T., BISSELL, D. R., and GIBBONS, R. B. The 60 MHz F.D.M. Transmission System: Cable Installation	192
F.D.M. Transmission System, The 60 MHz: Loss and Gain Measuring Set	167	KING, W. T. Cabling Across Estuaries	114
F.D.M. Transmission Systems, The 60 MHz: Protection Switching Equipment	182	KNIGHT, J. O. The Estimation of Pulling Tensions for Cables in Ducts—A Guide for Planners	252
F.D.M. Transmission System, The 60 MHz: Some of the Design Problems	154	L	
F.D.M. Transmission System, The 60 MHz: Test Results of a Field Trial	133	LEIGHTON, A. G. The Seventh International Teletraffic Congress, Stockholm, 1973	224
F.D.M. Transmission System, The 60 MHz: The Line System	202	Letter-Sorting System, A New Code Translator for the—	
Field Trial, The 60 MHz F.D.M. Transmission System: Test Results of a	135	Part 2—The Code-Sort Translator: Design and Testing	2
FLETCHER, N. E. The 60 MHz F.D.M. Transmission System: Housings for Dependent Repeaters	202	Part 3—The Drum-Storage and Data-Handling Systems	64
Foreword, The 60 MHz F.D.M. Transmission System:	167	Lines, Local-Battery Charging over Subscribers'	73
FOULKES S. A., SIMPKINS, S., and PURDY, J. E. Earth-Station Equipment for Intelsat IV Satellites	132	Line System, The 60 MHz F.D.M. Transmission System: The	135
FRANKS, F. A., and HARRISON, K. R. The 60 MHz F.D.M. Transmission System: Frequency-Translating Equipment	91	Local-Battery Charging over Subscribers' Lines	73
FRER, B. R. Local-Battery Charging over Subscribers' Lines	144	Logarithmic Frequency-Plotter Speeds the Recording of Crosstalk Measurements	112
Frequency-Division-Multiplex Equipment	73	Long-Term Study of the United Kingdom Trunk Network, A—Part 1—General Methodology: Forecasts: Plant Study	210
Frequency-Generating Equipment, The 60 MHz F.D.M. Transmission System: Carrier—	38	LORD, A. C. Efficiency in the Telecommunications Motor Transport Fleet	32
Frequency-Plotter Speeds the Recording of Crosstalk Measurements, Logarithmic	150	Loss and Gain Measuring Set, The 60 MHz F.D.M. Transmission System:	182
Frequency-Translating Equipment, The 60 MHz F.D.M. Transmission System:	112	LUND, A. E. A Progress Report on Heavy Cabling Equipment	53
	144	M	
G			
GARWOOD, G. J., DEWICK, P. W., and MEPHAM, R. C. A New Code Translator for the Letter-Sorting System—		Maintenance of Trunk Transit Routes	42
Part 3—The Drum-Storage and Data-Handling Systems	64	Maintenance, The 60 MHz F.D.M. Transmission System: Cable	198
Generating Equipment, The 60 MHz F.D.M. Transmission System: Carrier-Frequency	150	Maintenance Vehicles, Special-Purpose	258
GIBBONS, R. B., BISSELL, D. R., and KING, W. T. The 60 MHz F.D.M. Transmission System: Cable Installation	47	Manufacture, The 60 MHz F.D.M. Transmission System: Cable Design and	158
Group-Delay Measuring Sets, Development of	192	MARTIN, R. W. Special-Purpose Maintenance Vehicles	258
H			
HALL, B. and BUFFIN, J. D. The 60 MHz F.D.M. Transmission System: The Line System	135	Masts and Towers in the British Post Office, Steel—Part I—Principles	231
		McKAY, N. P., and PATEL, C. A. New Generation Channel Translating Equipment	103

	PAGE NO.		PAGE NO.
Measurements, Logarithmic Frequency-Plotter Speeds the Recording of Crosstalk	112	SIMPKINS, S., FOULKES, S. A., and PURDY, J. E. Earth-Station Equipment for Intelsat IV Satellites	91
Measuring Equipment (F.I.M.E.), Time Interval	10	SIMPSON, W. G. The 60 MHz F.D.M. Transmission System: Foreword	132
Measuring Sets, Development of Group-Delay	47	60 MHz F.D.M. Transmission System, The: Cable Design and Manufacture	158
Measuring Set, The 60 MHz F.D.M. Transmission System: Loss and Gain	182	60 MHz F.D.M. Transmission System, The: Cable Installation	192
MEPHAM, R. C., DEWICK, P. W., and GARWOOD, G. J. A New Code Translator for the Letter-Sorting System—Part 3—The Drum-Storage and Data-Handling Systems	64	60 MHz F.D.M. Transmission System, The: Cable Jointing	170
Motor Transport Fleet, Efficiency in the Telecommunications	32	60 MHz F.D.M. Transmission System, The: Cable Maintenance	198
MUIR, B. R. Maintenance of Trunk Transit Routes	42	60 MHz F.D.M. Transmission System, The: Cable Testing	174
Multiplex Equipment, Frequency-Division	38	60 MHz F.D.M. Transmission System, The: Cable Test Vans	179
Multiplexing Equipment for the Datel Services, A Time-Division	77	60 MHz F.D.M. Transmission System, The: Carrier-Frequency-Generating Equipment	150
N			
Network, A Long-Term Study of the United Kingdom Trunk—Part 1—General Methodology: Forecasts: Plant Study	210	60 MHz F.D.M. Transmission System, The: Civil Engineering Requirements for the Cable Route	188
New Code Translator for the Letter-Sorting System, A—Part 2—The Code-Sort Translator: Design and Testing	2	60 MHz F.D.M. Transmission System, The: Evaluation of Active Devices	143
Part 3—The Drum-Storage and Data-Handling Systems	64	60 MHz F.D.M. Transmission System, The: Foreword	132
New Computer for the British Post Office Telecommunications Headquarters, The Evaluation of a	86	60 MHz F.D.M. Transmission System, The: Frequency-Translating Equipment	144
New Generation Channel Translating Equipment	103	60 MHz F.D.M. Transmission System, The: Housings for Dependent Repeaters	167
Notes and Comments	59, 119, 206, 261	60 MHz F.D.M. Transmission System, The: Loss and Gain Measuring Set	182
P			
Packet-Switching Service (E.P.S.S.), Introduction to the British Post Office Experimental	216	60 MHz F.D.M. Transmission System, The: Protection Switching Equipment	154
PATEL, C. A., and MCKAY, N. P. New Generation Channel Translating Equipment	103	60 MHz F.D.M. Transmission System, The: Some of the Design Problems	133
PERRINS, E. V. T. The 60 MHz F.D.M. Transmission System: Cable Test Vans	179	60 MHz F.D.M. Transmission System, The: Test Results of a Field Trial	202
PHILLIPS, K. H. C., and STURGEON, A. W. A New Code Translator for the Letter-Sorting System—Part 2—The Code Translator: Design and Testing	2	60 MHz F.D.M. Transmission System, The: The Line System	135
PORTSMOUTH, D. E., and STEPHENS, G. G. The 60 MHz F.D.M. Transmission System: Protection Switching Equipment	154	SLAUGHTER, W. G. F., and STENSON, D. W. The 60 MHz F.D.M. Transmission System: Cable Jointing	170
Power-Feeding Equipment for Coaxial Line Systems, A New Practice for Transmission Equipment, Construction	240	SMITH, H. O. J., and CRANK, G. J. The 60 MHz F.D.M. Transmission System: Loss and Gain Measuring Set	182
Press Notices	61, 126, 271	SMITH, M. A., and BELTON, R. C. Introduction to the British Post Office Experimental Packet-Switching Service (E.P.S.S.)	216
PRITCHETT, J., and BARTLETT, G. A. The 60 MHz F.D.M. Transmission System: Cable Design and Manufacture	158	SONGHURST, D. J., and HARVEY, C. Queuing Problems in the Cordless Switchboard System No. 1	225
PRITCHETT, J., and BOLTON L. J. The 60 MHz F.D.M. Transmission System: Some of the Design Problems	133	Sorting System, A New Code Translator for the Letter—Part 2—The Code-Sort Translator: Design and Testing	2
Problems, The 60 MHz F.D.M. Transmission System: Some of the Design	133	Part 3—The Drum-Storage and Data-Handling Systems	64
Progress Report on Heavy Cabling Equipment, A	53	Special-Purpose Maintenance Vehicles	258
Protection Switching Equipment, The 60 MHz F.D.M. Transmission System:	154	Steel Masts and Towers in the British Post Office—Part 1—Principles	231
Pulling Tensions for Cables in Ducts, The Estimation of—A Guide for Planners	252	STENSON, D. W., and SLAUGHTER, W. G. F. The 60 MHz F.D.M. Transmission System: Cable Jointing	170
PURDY, J. E., SIMPKINS, S., and FOULKES, S. A. Earth-Station Equipment for Intelsat IV Satellites	91	STEPHENS, G. G., and PORTSMOUTH, D. E. The 60 MHz F.D.M. Transmission System: Protection Switching Equipment	154
Q			
Queuing Problems in the Cordless Switchboard System No. 1	225	STEPHENS, W. J. B., STILL, L. H., and BUNDY, R. C. H. The 60 MHz F.D.M. Transmission System: Cable Testing	174
R			
RATA, S., and SAYERS, P. The 60 MHz F.D.M. Transmission System: Civil Engineering Requirements for the Cable Route	188	STILL, L. H., STEPHENS, W. J. B., and BUNDY, R. C. H. The 60 MHz F.D.M. Transmission System: Cable Testing	174
Regional Notes	55, 120, 262	STOATE, K. W., and BARFOOT, D. W. Stored Program Control for Telephone Exchanges: The World Scene	219
Report on Heavy Cabling Equipment, A Progress	53	Stored Program Control for Telephone Exchanges: The World Scene	219
Results of a Field Trial, The 60 MHz F.D.M. Transmission System: Test	202	Study of the United Kingdom Trunk Network, A Long-Term—Part 1—General Methodology: Forecasts: Plant Study	210
Route, The 60 MHz F.D.M. Transmission System: Civil Engineering Requirements for the Cable	188	STURGEON, A. W., and PHILLIPS, K. H. C. A New Code Translator for the Letter-Sorting System—Part 2—The Code-Sort Translator: Design and Testing	2
S			
Satellites, Earth-Station Equipment for Intelsat IV	91	Subscribers' Lines, Local-Battery Charging over	73
SAYERS, P., and RATA, S. The 60 MHz F.D.M. Transmission System: Civil Engineering Requirements for the Cable Route	188	Switching Equipment, The 60 MHz F.D.M. Transmission System: Protection	154
Station Equipment for Intelsat IV Satellites, Earth-Sets, Development of Group-Delay Measuring	47	System, A New Code Translator for the Letter-Sorting—Part 2—The Code-Sort Translator: Design and Testing	2
T			
		Part 3—The Drum-Storage and Data-Handling Systems	64
		System, The 60 MHz F.D.M. Transmission System: The Line	135
		Telecommunications Motor Transport Fleet, Efficiency in the	32
		Telephone Exchanges, Stored Program Control for: The World Scene	219
		Telettraff Congress, Stockholm, 1973, The Seventh International	224

	PAGE NO.		PAGE NO.
Tensions for Cables in Ducts, The Estimation of Pulling— A Guide for Planners	252	Trunk Network, A Long-Term Study of the United Kingdom —Part 1—General Methodology: Forecasts: Plant Study	210
Testing, The 60 MHz F.D.M. Transmission System: Cable	174	Trunk Transit Routes, Maintenance of	42
Test Results of a Field Trial, The 60 MHz F.D.M. Trans- mission System:	202	V	
Test Vans, The 60 MHz F.D.M. Transmission System: Cable	179	Vans, The 60 MHz F.D.M. Transmission System: Cable Test	179
Time-Division Multiplexing Equipment for the Datel Ser- vices, A	77	Vehicles, Special-Purpose Maintenance	258
Time Interval Measuring Equipment (T.I.M.E.)	10	W	
Towers in the British Post Office, Steel Masts and—Part 1— Principles	231	WALKDEN, M. R. Construction Practice for Transmission Equipment	25
Translating Equipment, New Generation Channel	103	WALKER, D. C., and HUGHES, L. E. The 60 MHz F.D.M. Transmission System: Carrier-Frequency-Generating Equipment	150
Translating Equipment, The 60 MHz F.D.M. Transmission System: Frequency-	144	WALTERS, J. R. The 60 MHz F.D.M. Transmission System: Cable Maintenance	198
Translator for the Letter-Sorting System, A New Code— Part 2—The Code-Sort Translator: Design and Testing	2	WELLER, J. M., BOLTON, L. J., and BAKKER, H. L. The 60 MHz F.D.M. Transmission System: Test Results of a Field Trial	202
Part 3—The Drum-Storage and Data-Handling Systems	64	WESTAWAY, H. E. A Fresh Look at Facsimile for Document Transmission	18
Transmission, A Fresh Look at Facsimile for Document	18	WHITE, D. E., COLLINS, R. A., and HALL, P. M. A Time- Division Multiplexing Equipment for the Datel Services	77
Transmission Equipment, Construction Practice for	25		
Transit Routes, Maintenance of Trunk	42		
Transport Fleet, Efficiency in the Telecommunications Motor	32		
Trial, The 60 MHz F.D.M. Transmission System: Test Results of a Field	202		