TABLE OF CONTENTS

DIGITAL AUDIO INTEGRATION

Sunday, April 14, 1991

A TUTORIAL ON RECORDABLE COMPACT DISC Laura J. Tyson	3
LOW COST DIGITAL SAMPLE-RATE CONVERTERS Sangil Park	10
SPECTRUM EFFICIENT DIGITAL AUDIO TECHNOLOGY (SEDAT) [™] William Koos, Larry Koos, and Kent Malinowski	20
AN INTEGRATED DIGITAL SYSTEM FOR BROADCAST AUDIO David J. Evers	26
AN ALL DIGITAL CD QUALITY STUDIO-TRANSMITTER LINK FOR THE 950 MHZ BAND Howard Friedenberg and Jamal Hamdani	34

AM SYSTEMS ENGINEERING AND IMPROVEMENT

Sunday, April 14, 1991

MODERN METHODS IN MEDIUMWAVE DIRECTIONAL ANTENNA FEEDER SYSTEM DESIGN Ronald D. Rackley	43
USING ISOLATION TRANSFORMERS TO LEASE AM TOWER SPACE Thomas F. King	55
IMPLEMENTATION OF ANTISKYWAVE ANTENNA TECHNOLOGY BY EXTREME TOP LOADING OF SHORT ANTENNAS IN A DIRECTIONAL ARRAY Timothy C. Cutforth, P.E.	64

PREVENTIVE MAINTENANCE FOR AM RADIO TOWERS Robert E. Sundius, Jr. and Owen Ulmer
NOISE FREE RADIO FOR AM BROADCASTING George W. Yazell, P.E
TELEVISION ENGINEERING— SIGNAL DISTRIBUTION AND TRANSMISSION Sunday, April 14, 1991
COMPLYING WITH THE OCTOBER 1, 1991 STL DEADLINE Craig M. Skarpiak
LOOKING 100 MHZ AHEAD Erik Fabricius-Olsen
MULTISTAGE DISTRIBUTION SWITCHING SYSTEMS, CLOS AND BEYOND Marc S. Walker
A UNIQUE ADAPTATION OF THE TRADITIONAL TELEVISION VECTOR DISPLAY Mark Everett
THE DEVELOPMENT OF COMMERCIAL ECHO CANCELLERS FOR TELEVISION Stephen Herman
REMOTE MONITORS FOR BROADCAST TRANSMITTERS Roy K. Chrisop
AVERAGE POWER RATINGS OF COAXIAL TRANSMISSION LINES Anthony N. Schmitz
STRIPLINE TECHNOLOGY— FUNDAMENTALS AND APPLICATIONS IN HIGH-POWER TRANSMITTERS P.C. Turner and Steven J. Crowley

TELEVISION PRODUCTION AND POST PRODUCTION

Monday, April 15, 1991

LARGE MULTI-CHANNEL WIRELESS MICROPHONE SYSTEMS Joseph Ciaudelli
TRENDS IN ELECTRONIC GRAPHICS EQUIPMENT Steven M. Davis
CHARACTER ANIMATION—THE MERGING OF TECHNOLOGY AND CREATIVITY Randy Trullinger
DESIGN CONSIDERATIONS FOR TODAY'S STILL STORE SYSTEMS Bob Pank
SECOND GENERATION DIGITAL

INTERNATIONAL TECHNICAL UPDATES AND AGENDAS

Monday, April 15, 1991

BROADCAST AUXILIARY AND SATELLITE SYSTEMS

Monday, April 15, 1991

ADVANCED TECHNOLOGIES BRING IMPROVED PERFORMANCE TO MICROWAVE ENG TRANSMITTERS AND RECEIVERS Dr. John B. Payne, III

A LOW COST VIDEO UPLINK FOR BROADCASTERS Anthony D. Campbell and Khalid Khan188

TELEVISION AUTOMATION

Monday, April 15, 1991

ROBOTICS...THE CAPITOL HILL PROJECT Darcy Antonellis and Dobrimir Borovecki ...221

ADVANCES IN FM SYSTEM DESIGN

Monday, April 15, 1991

BROADCAST/AERONAUTICAL COMPATIBILITY

Tuesday, April 16, 1991

DIGITAL AUDIO BROADCASTING-SYSTEM CONCEPTS

Tuesday, April 16, 1991

BROADCASTING SYSTEMS CONCEPTS FOR DIGITAL SOUND Gérald Chouinard and Francois Conway257

UHF TRANSMISSION

Tuesday, April 16, 1991

DIGITAL VIDEO AND TRANSMISSION SYSTEMS

Wednesday, April 17, 1991

SPECTRE—DIGITAL TELEVISION TO UK HOMES IN THE EXISTING UHF TV BAND A. G. Mason, J. J. Gledhill and B. Tait359

FM SYSTEMS ENGINEERING AND IMPROVEMENT

Wednesday, April 17, 1991

COMPUTER APPLICATIONS FOR BROADCAST ENGINEERS

Wednesday, April 17, 1991

Wednesday, April 17, 1991

MODULATION AND CODING FOR DAB USING MULTI-FREQUENCY MODULATION Paul H. Moose and John M. Wozencraft405

SAFETY AND ENVIRONMENTAL CONCERNS

Wednesday, April 17, 1991

UTILITY PARALLELING EMERGENCY POWER GENERATOR REDUCES TRANSMITTER OPERATING COSTS Harvey Arnold and Wayne Estabrooks439

CONSTRUCTION OF A MULTIPLE USER FM FACILITY IN AN URBAN ENVIRONMENT Larry M. Holtz and Gray Frierson Haertig ...448

AUDIO SYSTEM DESIGN AND MEASUREMENT

Thursday, April 18, 1991

INTERACTIVE TELEVISION

Thursday, April 18, 1991

THE ANSWER TO TV RESPONSE SYSTEMS
Fernando Morales, Harold L. Kassens
and Howard T. Head

AUTHOR	INDEX														495
												•		•	