

PART 1: Chronological Index

January 1982

- Signal Processing Using Surface Acoustic Waves, *William R. Shreve*
 Retrofitting for Signature Analysis Simplified, *Robert Rhodes-Burke*
 A Fast, Compact High-Quality Digital Display for Instrumentation Applications, *Kunio Hasebe, William R. Mason, and Thomas J. Zamborelli*

February 1982

- A Broadband, Fully Programmable Microwave Sweep Oscillator, *Rolf Dalichow and Douglas E. Fullmer*
 A New Series of Programmable Sweep Oscillator Plug-ins, *Gary W. Holmlund, Glenn E. Elmore, and Duaine C. Wood*
 Portable Defibrillator-Monitor for Cardiac Resuscitation, *Paul I. Bennett and Victor C. Jones*

March 1982

- High-Performance Computing with Dual ALU Architecture and ECL Logic, *Frederic C. Amerson, Mark S. Linsky, and Elio A. Toschi*
 Dual ALU Micromachine Has Powerful Development Tools, *Richard D. Murillo*
 Powerful Diagnostic Philosophy Reduces Downtime, *David J. Ashkenas and Richard F. DeGabriele*
 A High-Performance Memory System with Growth Capability, *Ken M. Hodor and Malcolm E. Woodward*
 An Input/Output System for a 1-MIPS Computer, *W. Gordon Matheson and J. Marcus Stewart*
 The Advanced Terminal Processor: A New Terminal I/O Controller for the HP 3000, *James E. Beetem*
 GUEST—A Signature Analysis Based Test System for ECL Logic, *Edward R. Holland and James L. Robertson*
 Designing for Testability with GUEST, *Karen L. Meinert*
 Packaging the HP 3000 Series 64, *Manmohan Kohli and Bennie E. Helms*

April 1982

- An Integrated Test Set for Microwave Radio Link Baseband Analysis, *Richard J. Roberts*
 Design of a Precision Receiver for an Integrated Test Set, *J. Guy Douglas and David Stockton*
 Control and Display System for a Baseband Analyzer, *Lawrence Lowe and Brian W. Woodroffe*
 A Combined Tracking and White-Noise Generator, *John R. Pottinger and Stephen A. Biddle*
 Wideband, Fast-Writing Oscilloscope Solves Difficult Measurement Problems, *Danny J. Oldfield and James F. Haley*

May 1982

- Advanced Multilingual Computer Systems for Measurement Automation and Computer-Aided Engineering Applications, *John L. Bidwell and David W. Palermo*
 Hardware Design for an Integrated Instrumentation Computer System, *Don D. Stewart, Robert J. Horning, Ken L. Burgess, Ronald G. Rogers, and James W. McLucas*
 I/O Philosophy and Architecture for Instrumentation Control, *Loyd F. Nelson*
 Low-Cost Printers for the 9826A and 9836A Computers, *Michael J. Sproviero*

- The 9826A/9836A Language Systems, *Kathryn Y. Kwinn, Robert M. Hallissy, and Roger E. Ison*
 Data Communications for the 9826A and 9836A Computer Systems, *Carl M. Dierschow and Robert P. Uhlrich*

June 1982

- Laser Printing System Provides Flexible, High-Quality, Cost-Effective Computer Output, *James A. Hall*
 Six Steps to a Printed Page, *Robert R. Hay*
 Laser Printing System Architecture, *James T. Langley*
 Interactive Software for Intelligent Printers, *Kathleen A. Fitzgerald*
 Electrostatic Image Formation in a Laser Printer, *Erwin H. Schwiibert and Paul R. Spencer*
 Laser Printer Image Development System, *Thomas Camis*
 Laser Printer Fusing System, *Roger D. Archibald*
 Monitoring the Laser Printing Process, *Ronald A. Juve and David K. Donald*
 Specialized High-Speed Electronics for Document Preparation Flexibility, *Philip Gordon*
 The People Who Made the Product, *Billie J. Robison*

July 1982

- Optical System Design for the Laser Printing System, *John R. Lewis and Laurence M. Hubby, Jr.*
 Laser Printer Optics Control and Diagnostic Circuit, *Gary L. Holland*
 A Synchronous Mirror-Motor Drive for the Laser Printer, *Gary L. Holland*
 Laser Printer Machine Control System, *James D. Crumly and Von L. Hansen*
 Sensing Paper Jams, *Gary L. Holland*
 Solid-State Microwave Signal Generators for Today's Exacting Requirements, *Donald R. Chambers and Steven N. Sanders*
 High-Performance Wideband Cavity-Tuned Solid-State Oscillators, *Edward G. Cristal, Arthur N. Woo, Phillip G. Foster, and Ronald F. Stiglich*
 A Wide-Dynamic-Range Pulse Leveling Scheme, *James F. Catlin*
 Microwave Solid-State Amplifiers and Modulators for Broadband Signal Generators, *Kim Potter Kihlstrom*

August 1982

- Viewpoints—IC Process Technology: VLSI and Beyond, *Frederic N. Schwettmann and John L. Moll*
 Optical IC Lithography Using Trilayer Resist, *Michael M. O'Toole, E. David Liu, and Gary W. Ray*
 Silicon Integrated Circuits Using Beam-Recrystallized Polysilicon, *Theodore I. Kamins*
 X-Ray Lithography, *Garrett A. Garrettson and Armand P. Neukermans*
 Dry Etching: An Overview, *Paul J. Marcoux*
 Thin Films Formed by Plasma-Enhanced Chemical Vapor Deposition, *Dragan B. Ilic*
 Electromigration: An Overview, *Paul P. Merchant*
 SWAMI: A Zero-Encroachment Local Oxidation Process, *Kuang Yi Chiu*
 High-Pressure Oxidation, *William A. Brown*

PART 3: Model Number Index

HP-41C	Programmable Calculator	Dec.	8350A	Sweep Oscillator	Feb.
HP-85A	Personal Computer	Dec.	8683A/B	Signal Generator	July
HP-86A	Personal Computer	Dec.	8684A/B	Signal Generator	July
HP-87XM	Personal Computer	Dec.	9130A	Flexible Disc Drive	Dec.
1345A	Digital Display Module	Jan.	14570A	AC Power Controller	Dec.
1727A	Storage Oscilloscope (275 MHz)	Apr.	16058A	Test Fixture	Oct.
1980A/B	Oscilloscope Measurement System	Sept.	19860A	Digital Waveform Storage	Sept.
2671A	Printer	May	30142A	1M-Byte Memory Module	Mar.
2671G	Graphics Printer	May	30143A	I/O Adapter Module	Mar.
2673A	Intelligent Graphics Printer	May	32460A	HP 3000 Series 64 System	
2680	Laser Printing System	June		Processing Unit	Mar.
		July	78660A	Defibrillator-Monitor	Feb.
HP 3000 Series 64	Computer System	Mar.	78668A	Quick Mount Power Base	Feb.
3724A	Baseband Analyzer	Apr.	82160A	HP-IL Module, HP-41C	Dec.
3725A	Display	Apr.	82184A	Plotter Module, HP-41C	Dec.
3726A	Filter Mainframe	Apr.	82900A	CP/M System	Dec.
4145A	Semiconductor Parameter Analyzer	Oct.	82901M	Flexible Disc Memory	Dec.
5001A/B/C/D	Microprocessor Exerciser	Jan.	82937A	HP-IB Interface Module	Dec.
5180A	Waveform Recorder	Nov.	83500 Series	RF Plug-ins	Feb.
5181A	Display/Tape Storage Module	Nov.	98261A	Add-on Language for	
5344S	Source Synchronizer	Sept.		9826A/9836A Computers	May
6024A	Autorangeing DC Power Supply	Oct.	98628A	Data Communications Card	May
7470A	Graphics Plotter	Dec.			

PART 4: Author Index

Allen, Mark S.	Nov.	Fazarinc, Zvonko	Sept.	Landgraf, Robert M.	Sept.	Rick, David	Jan.
Amerson, Frederic C.	Mar.	Fedraw, Ken	May	Langley, James T.	June	Risley, William B.	Sept.
Archibald, Roger D.	June	Fitzgerald, Kathleen A.	June	Lewis, John R.	July	Roberts, Richard J.	Apr.
Armour, John	May	Folchi, Jack A.	Nov.	Linsky, Mark S.	Mar.	Robertson, James L.	Mar.
Ashkenas, David. J.	Mar.	Fong, Waymond	Jan.	Liu, E. David	Aug.	Robertson, Raymond A.	Dec.
Azmoon, Majid	Dec.	Foster, Phillip G.	July	Lowe, Lawrence	Apr.	Robison, Billie J.	June
		Frolik, William R.	Dec.			Rogers, Ronald G.	May
		Fu, Horng-Sen	Oct.	Ma, Peter L.	Dec.	Rubinstein, Jon	May
Balliew, Pat	May	Fullmer, Douglas E.	Feb.	Maeda, Kohichi	Oct.		
Barber, V. Alan	Sept.	Furukawa, Michio	Feb.	Marcoux, Paul J.	Aug.	Sakayori, Hiroshi	Oct.
Beetem, James E.	Mar.			Martini, Neal J.	Dec.	Sanders, Steven N.	July
Bennett, Paul I.	Feb.	Garrettson, Garrett A.	Aug.	Mason, William R.	Jan.	Schwettmann, Frederic N.	Aug.
Biddle, Stephen A.	Apr.	Gordon, Philip	June	Matheson, W. Gordon	Mar.	Schwiebert, Erwin H.	June
Bidwell, John L.	May	Goris, Andy	May	McDonald, Bill	Feb.	Shreve, William R.	Jan.
Bird, Steven C.	Nov.	Grinolds, Hugh	Aug.	McLucas, James W.	May	Sorden, James L.	Nov.
Brown, Dave	May			McTigue, Mike	Sept.	Spencer, Paul R.	June
Brown, William A.	Aug.	Haley, James F.	Apr.	Meinert, Karen L.	Mar.	Sproviero, Michael J.	May
Burgess, Ken L.	May	Hall, James A.	June	Merchant, Paul P.	Aug.	Stewart, Don D.	May
		Hallissy, Robert M.	May	Meredith, John	Sept.	Stewart, J. Marcus	Mar.
Camis, Thomas	June	Hansen, Von L.	July	Miller, Robert M.	Dec.	Stiglich, Ronald F.	July
Campbell, John W.	Sept.	Harding, Russell J.	Sept.	Moll, John L.	Aug.	Stockton, David	Apr.
Campbell, Monte R.	Sept.	Harper, Timothy V.	Dec.	Murrillo, Richard D.	Mar.	Szeto, Christina M.	Nov.
Catlin, James F.	July	Hasebe, Kunio	Jan.	Muto, Arthur S.	Nov.	Szeto, Roger To-Hoi	Oct.
Chambers, Donald R.	July	Hay, Robert A.	June				
Chen, Devereaux C.	Oct.	Helms, Bennie E.	Mar.	Neil, J. Martin	Nov.	Ta, Chuong C.	Dec.
Chiang, Shang-yi	Aug.	Hodor, Ken M.	Mar.	Nelson, Loyd F.	May	Takeda, Teruo	Oct.
Chiu, Kuang Yi	Aug.	Holland, Edward R.	Mar.	Neukermans, Armand P.	Aug.	Takagi, Susumu	Oct.
Chorak, Steve	May	Holland, Gary L.	July			Taylor, Wilhelm	Sept.
Coverstone, Randy A.	Dec.	Holmlund, Gary W.	Feb.	Obara, Michitaka	Oct.	Thalman, James	July
Cristal, Edward G.	July	Horning, Robert J.	May	Oh, Soo-Young	Oct.	Toschi, Elio A.	Mar.
Crumly, James D.	July	Hubby, Laurence M., Jr.	July	Okada, Susan	Aug.	Tribolet, David C.	Dec.
				Oldfield, Danny J.	Apr.	Tsuruda, Fumiro	Oct.
				Orr, Jerry	Feb.		
				O'Toole, Michael M.	Aug.	Uhlich, Robert P.	May
				Palermo, David W.	May	Wang, Albert S.	Sept.
				Pecenco, Irene V.	Sept.	Watry, William E.	Sept.
				Peetz, Bruce E.	Nov.	Welsh, Robert	Jan.
				Petersen, David M.	Dec.	Wilson, Arthur K.	Dec.
				Peterson, Val	Feb.	Wilson, John R.	Sept.
				Porcelli, Robert J.	Dec.	Woo, Arthur N.	July
				Pottinger, John R.	Apr.	Wood, Duaine C.	Feb.
						Woodroffe, Brian W.	Apr.
						Woodward, Malcolm E.	Mar.
				Ray, Gary W.	Aug.		
				Rehner, Robert C., Jr.	Nov.	Zamborelli, Thomas J.	Jan.
				Rhodes-Burke, Robert	Jan.		
				Rhymes, Lynn	Feb.		