

# HEWLETT-PACKARD JOURNAL

## Index X

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A Battery-Powered ECG Monitor for Emergency and Operating Room Environments, Sherry R. Grobstein and Ronald D. Gatzke

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- Advanced Digital Signal Analyzer Probes Low-Frequency Signals with Ease and Precision, Richard H. Grote and H. Webber McKinney  
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Printing Financial Calculator Sets New Standards for Accuracy and Capability, Roy E. Martin

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An NMOS Process for High-Performance LSI Circuits, Joseph E. DeWeese and Thomas R. Ligon

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### January 1978

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- Viewpoints—Chuck House on the Ongoing Revolution in Digital Testing  
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Entry Level Logic State Analyzer Has High-Level Capability, Charles T. Small and Alan J. DeVilbiss  
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### March 1978

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- A Highly Integrated Desktop Computer System, William D. Eads and Jack M. Walden  
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New Printhead Technology Developed for System 45, Eugene R. Zeller  
Personal Calculator Algorithms IV: Logarithmic Functions, William E. Egbert

### May 1978

- Microprocessor-Controlled Harmonic Heterodyne Microwave Counter also Measures Amplitudes, Ali Bologlu and Vernon A. Barber  
A Technique that Is Insensitive to FM for Determining Harmonic Number and Sideband, Luiz Peregrino  
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Laboratory Notebook—Swept-Frequency Measurements of High Levels of Attenuation at Microwave Frequencies

### June 1978

- The Next Generation RF Spectrum Analyzer, Steven N. Holdaway and M. Dee Humpherys  
A Precision, Digitally-Controlled Spectrum Analyzer for the 20-Hz-to-40-MHz Frequency Range, Robert Temple  
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Enhanced Digital Storage in the Model 8568A Spectrum Analyzer, Michael J. Neering and Larry O. Bower  
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Control of Model 8568A Spectrum Analyzer through the HP Interface Bus, Rex Bullinger  
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 Firmware Intelligence for Measurement and Control Processing, Donald E. Klaiss  
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 The Triggered Phase-Locked Oscillator, David C. Chu  
 Time Synthesizer Generates Precise Pulse Widths and Time Delays for Critical Timing Applications, Keith M. Ferguson and Leonard R. Dickstein  
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 Laboratory Notebook—A High-Level-Language Microprocessor Prototyping and Debugging System Using a Desktop Computer

## September 1978

- A High-Resolution, Low-Frequency Spectrum Analyzer, Nixon A. Pendergrass and John S. Farnbach  
 Window Functions for Spectrum Analysis, Roger G. Cox  
 Designing Programmable Digital Filters for LSI Implementation, Lynn A. Schmidt  
 Desktop Plotter/Printer Does Both Vector Graphic Plotting and Fast Text Printing, Majid Azmoon, Jaime H. Bohorquez, and Rick A. Warp  
 Plotter/Printer Interface Languages: HP-GL and ASCII, Michael P. Trego

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 F-Series Extends Computing Power of HP 1000 Computer Family, Julia A. Cates  
 Microcoded Scientific Instruction Set Enhances Speed and Accuracy of F-Series Computers, Charles R. Geber  
 New Memory Systems for HP 1000 Computers, Alan H. Christensen and David C. Salomaki  
 Multipoint Terminals for HP 1000 Systems, Denton B. Anderson, Mitchell B. Bain, and Gary W. Johnson

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 Versatile 400-lpm Line Printer with a Friction-Free Mechanism that Assures Long Life, F. Duncan Terry  
 Optimizing the Performance of an Electromechanical Print Mechanism, Everett M. Baily, William A. McIlvanie, Wallace T. Thrash, and Douglas B. Winterrowd

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 Cursor Technology, Henry T. Hetzel  
 Glass Platen Technology, Lawrence E. Brown  
 1-mHz-to-50-MHz Signal Source Combines Synthesizer Accuracy, Multimode Operation, and Easy Programming, Tilman Schad, Dieter Kible, and Peter Brüner  
 A Compact Logging Multimeter that Can Manipulate Data, John E. Scruggs, Marsh L. Faber, and David L. Wolpert

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Apr. 1978	Calculator algorithms, logarithms	—	
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Nov. 1978	Computer terminal, printing	2635A/39A	
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Sept. 1978	Digital filters for a spectrum analyzer		3582A
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June 1978	Digitally-controlled spectrum analyzer, to 1.5 GHz		8568A
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Dec. 1978	Digitizer		9874A
May 1978	Displays, CRT, translator for		1350A
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July 1978	Language, measurement and control (HP-MCL)	2240A	Oct. 1978	Real-time executive system (RTE-IV) 92067A
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Dec. 1977	LCR meter, automatic wide-range	4262A	Mar. 1978	Remote command processing 9872A
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		F-Series	June 1978	Test of a spectrum analyzer, automatic	8568A
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Nov. 1977	Signal generator, synthesized, microwave	8672A	Aug. 1978	Time interval counter	5370A
Dec. 1978	Signal source, programmable, 1 mHz to 50 MHz	8165A	Aug. 1978	Time synthesizer	5359A
May 1978	Signature analysis, application of	5342A	Dec. 1977	Timing measurements, delta-time oscilloscope	1743A
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Dec. 1978	Trigonometric function algorithms, inverse	8165A	Nov. 1977	Trigonometric function algorithms, inverse	—
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Aug. 1978	Switch, RF for testing multiplexed communications systems	3754A	Dec. 1978	Waveform generator, 1 mHz to 50 MHz	8165A
Nov. 1977	Synthesizer, microwave	8671A	Sept. 1978	Window functions for spectrum analysis	3582A
Nov. 1977	Synthesized signal generator, microwave	8672A	Dec. 1977	Wrist instrument	HP-01
Aug. 1978	Synthesizer, time	5359A			<b>X</b>
Oct. 1978	Systems, RTE-based	HP 1000	Sept. 1977	X-Y plotters, four-color	7221A
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Jan. 1978	Terminal, CRT, graphics	2648A			<b>Z</b>

**T**

**Y**

**Z**

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Model	Instrument	Month/Year			
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HP-01	Wrist Instrument	Dec. 1977	3070B	Terminal	July 1978
HP-92	Printing Financial Calculator	Oct. 1977	3467A	Logging Multimeter	Dec. 1978
1000	Computer Systems	Oct. 1978	3582A	Spectrum Analyzer, .02 Hz to 25.5 kHz	Sept. 1978
DS/1000	Distributed Systems/1000	Mar. 1978		Spectrum Analyzer, 20 Hz to 40 MHz	June 1978
1000 F-Series	Computers	Oct. 1978	3585A	Access Switch	Aug. 1978
1350A	Graphics Translator	May 1978	3754A	LCR Meter, Automatic	Dec. 1977
1602A	Logic State Analyzer	Feb. 1978	4262A	Microwave Frequency Counter	May 1978
1610A	Logic State Analyzer	Feb. 1978	5342A	Time Synthesizer	Aug. 1978
1611A	Logic State Analyzer	Feb. 1978	5342A	Universal Time Interval Counter	Aug. 1978
1615A	Logic Analyzer	Feb. 1978	5359A	Digital Signal Analyzer	Oct. 1977
1743A	Oscilloscope, 100 MHz, Δ time	Dec. 1977	5370A	X-Y Plotter	Sept. 1977
2026	Data Entry/Communications System	Mar. 1978	5420A	Plotter/Printer	Sept. 1978
2102E	High-Performance Memory	Oct. 1978	7245A	Programmable Signal Source	Dec. 1978
2102H	High-Performance Fault-Control Memory	Oct. 1978	8165A	Storage Normalizer	Jan. 1978
2111F	HP 1000 F-Series Computer	Oct. 1978	8501A	Spectrum Analyzer, 100 Hz to 1.5 GHz	June 1978
2117F	HP 1000 F-Series Computer	Oct. 1978	8568A	Synthesizer	Nov. 1977
2170A/71A/72A	HP 1000 Model 30 Computer Systems	Oct. 1978	8671A	Synthesized Signal Generator	Nov. 1977
2174A/B	HP 1000 Model 20 Computer Systems	Oct. 1978	8672A	Storage Normalizer	Jan. 1978
2175A/B	HP 1000 Model 25 Computer Systems	Oct. 1978	8750A	Desktop Computer System	Apr. 1978
2176A/B	HP 1000 Model 40 Computer Systems	Oct. 1978	9845A	X-Y Plotter	Sept. 1977
2177A/B	HP 1000 Model 45 Computer Systems	Oct. 1978	9872A	Digitizer	Dec. 1978
2240A	Measurement and Control Processor	July 1978	9874A	Pulse Modulator	Nov. 1977
2608A	Printer, 400 lines per minute	Nov. 1978	11720A	Multipoint Interface for HP 1000 Computers	Oct. 1978
2631A/G	Printer, 180 characters per second	Nov. 1978	12790A	DS/3000 Software	Mar. 1978
2635A/39A	Printing Terminal	Nov. 1978	32190A	ECG Monitor, Portable	Sept. 1977
2648A	Graphics Terminal	Jan. 1978	78333A	Multipoint Driver for HP 1000 Computers	Oct. 1978
			91730A	DS/1000 Software	Mar. 1978
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Bernard, Michel E.	July 1978	Hennessee, Larry W.
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June 1978	Schulte, Louis T.
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Oct. 1977	Martin, Roy E.
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June 1978	Marzalek, Michael S.
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Farnbach, John S.	Sept. 1978	Oliverio, Joseph P.
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Figueroa, John W.	July 1978	
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## Y

Dec. 1977	Yokokawa, Masahiro
Jan. 1978	
Feb. 1978	
Oct. 1977	

## Z