

**PERIODICAL
GUIDE
FOR
COMPUTERISTS**

*An Index of Magazine Articles
for Computer Hobbyists*

January - December **1977**

PERIODICAL GUIDE FOR COMPUTERISTS 1977

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LIST OF ABBREVIATIONS AND MAGAZINES INDEXED

ABBREVIATION	MAGAZINE
Byte	Byte
Calc. Comp.	Calculators / Computers
Comp. Music	Computer Music Journal
Comp. Notes	Computer Notes
Cr. Comput.	Creative Computing
Dig. Design	Digital Design
Dr. Dobbs	Dr. Dobbs Journal of Computer Calisthenics & Orthodontia
EDN	EDN
Elec. Des.	Electronic Design
Electronics	Electronics
Elem. Elec.	Elementary Electronics
Ham Radio	Ham Radio
IEEE Computer	IEEE Computer
Interf. Age	Interface Age
Kilobaud	Kilobaud
Microtrek	Microtrek
Mini Micro	Mini Micro Systems
PCC	Peoples Computer
Per. Comput.	Personal Computing
Pop. Comput.	Popular Computing
Pop. Elec.	Popular Electronics
Radio Elec.	Radio Electronics
ROM	ROM
SCCS Interface	SCCS Interface / Microcomputer
73	73 Amateur Radio

MONTH ABBREVIATIONS

A Number following the Month designates the day of issue.

Ja	January
F	February
Mr	March
Ap	April
My	May
Je	June
Jy	July
Ag	August
S	September
O	October
N	November
D	December

TYPES OF LISTINGS

a	Article
b	Book Review
e	Editorial
l	Letter from Reader
m	Miscellaneous (Small Insert, Note Etc.)
r	Record Review

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GUIDE FOR JANUARY - DECEMBER 1977

AMATEUR RADIO

Comp. Notes	Ja	p1	a	BASIC File Handler Developed for Hams by Dr. George Haller
Comp. Notes	Mr	p9	a	HAM on the side, Altair SIOB Makes Ham Interfacing Easy by David Le Jeune
Comp. Notes	My	p19	a	Ham on the side, continued by David Le Jeune
Ham Radio	O	p79	a	Data Converters: The Microprocessor and the Amateur by Perry Pollins
Per. Comput.	Jy	p106	a	Copying Automatically with Mr. Morse's Code by Webb Simmons
Pop. Elec.	Ja	p37	a	"Read" Dit's and Dah's with The Morse-A-Letter, Code Reciever/Decoder by George Steber, Steven Reyer
Pop. Elec.	My	p63	a	Morse Code Automatic Readout on TV Screen, Interf. Morse a Letter to TVT by George Steber
73	Ja	p83	a	A Super Log--a Program for the Ham Shack Computer by Jim Huffman
73	Ja	p100	a	1,000 WPM Morse Code Typer -- For the Bionic Brass Pounder by James Pollock
73	Mr	p94	a	PROM Message Generator for RTTY -- Keyboards are Obsolete by Richard Joerger
73	Ap	p80	a	CW for the 6800 -- It Works! by L C Wells
73	My	p66	a	Computer Controlled Thermometer -- Take OSCAR's Temp with a Micro by Mark Herro
73	My	p70	a	Computerized RTTY Takeover ! -- Digital Group Cassette to TU Conversion by Louis Hutton
73	Je	p98	a	SSTV Meets the SWTP 6800 -- Modulate Video With a Micro by Clayton Abrams
73	Je	p108	a	Aim Your Antenna With a Micro by Dennis Bodson, Bob Fenichel
73	Ag	p27	l	Correction for above: Aim Your Antenna (June '77 73) by Ronald Evans
73	Jy	p46	a	Introducing Autotrak! -- Digital Antenna Tracking System by David Brown
73	Jy	p54	a	The Morse Clock -- timely repeater ID by Robert Souza
73	S	p24	l	CORRECTION The Morse Clock (July '77 73 p57) by John Molnar
73	Jy	p82	a	Dipole Designer Program -- calculates coils and length by Al Gerbens
73	Ag	p100	a	Computer Logger -- for those who keep log books by James Berets
73	S	p28	a	So You Want to Get Into RTTY? -- Call for Papers Winner by Richard Parry
73	S	p98	a	Digital Group RTTY Micro -- a natural team by Harry Matthews
73	N	p81	l	CORRECTION FOR: Digital Group RTTY (Sept '77 p98) by John Burnett
73	S	p104	a	RTTY Test Station --- complete pattern generator by EH Sommerfield
73	S	p110	a	RTTY With the KIM -- features built in display! by Wilfred Gregson II
73	O	p88	a	Try Your KIM-1 On RTTY -- CUL on your computer by Jim Overstreet
73	O	p96	a	Title Your Pix With a Micro -- a useful SSTV accessory by Clayton Abrams
73	N	p58	a	Track OSCAR With your SR-52 -- requires the PC100 option by Art Burke
73	D	p32	l	CORRECTION Track Oscar w SR52 (November '77 p58) by Art Burke
73	N	p64	a	Track OSCAR In Real Time -- with your HP-67 calculator by Thomas Prewitt
73	N	p66	a	Logical Thought About OSCAR -- meaningful to computers! by Wm. Denison Rich
73	N	p80	a	Calculate OSCAR Orbits -- with your HP25 calculator by J W Marriette
73	N	p100	a	Receive CW With A KIM -- micro-controlled of course! by Bob Shattuck and Bill Schmidt
73	N	p106	a	Build This SSTV Pattern Generator -- now, if only the FCC... by Al Gerbens
73	D	p92	a	Decode Morse --- with an 8080 by William Thomas
73	D	p102	a	Try a Micro Contest Logger -- the 6800 does it all by Gary Belcher
73	D	p182	a	Tanks A Lot! -- inductor calculation program by Allen Fehl

ANALOG HARDWARE AND CIRCUITS

Byte	S	p30	a	Control the World! (Or at Least a Few Analog Points) by Steve Ciarcia
Dig. Design	Jy	p36	a	Digital Panel Meters by Edward A. Ross
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EDN	S 5	p89	a	IC Timers--The "Old Reliable" 555 has Company by Bill O'Neil, Intersil
EDN	S 5	p109	a	The Sample and Hold Understanding it Prompts a Host of Applications by Don Jones
EDN	S 5	p153	a	Voltage to Freq Converters--IC Versions Perform Accurate Data Conversion by Paul Pinter and Dave Timm
EDN	S 5	p161	a	FET Amplifirs--Take Another Look at these Devices by John Maxwell
EDN	O 20	p62	a	Test Your Analog-Switch IQ by Lee Shaeffer and Steve Bolger
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Electronics	D 22	p80	a	Keyboard Programs the Gain of an Operational Amplifier by P A Benedetti
Interf. Age	Jy	p59	a	Add Analog Capability to Your Computer with the Cromenco D+7A I/O by Roger Edelson

ANALOG HARDWARE AND CIRCUITS continued

Interf. Age	Jy	p112	a	New Product Guide: I/O Cards
Kilobaud	Ag	p60	a	Electronic Design by Computer...simplify your next project by Jim Huffman
Kilobaud	Ag	p80	a	Enter the Audible Computer!...build this simple tone generator interface by John Stith
Kilobaud	N	p58	a	Reliable Conversion Techniques...try curve fitting for A/D accuracy by Russell Adams
Radio Elec.	S	p33	a	2-Digit Electronic Thermometer by Walter Sikonowiz
Radio Elec.	O	p76	a	Computer Corner: Interfacing a D/A Convertor by Christopher Titus, David Larsen, Peter Rony & Jonathon Titus

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Byte	F	p54	a	Audible Interrupts for Humans by Dr. Charles Douds
Byte	F	p62	a	Cub 54, Where Are You? (Or How to Navigate Using Mini-0) by Ralph Burhans, Research Engr.
Byte	Mr	p9	a	Give Your Micro Some Muscles by Robert Grappel
Byte	Mr	p70	a	Simplified Omega Receiver Details by Ralph Burhans, Research Engr.
Byte	Ap	p100	a	Navigation with Mini-0 by Richard Salter
Byte	Jy	p118	a	How Far-Which Way? (prog. give distances from Latitude & Longitude Data) by Rene Pittet, M Davidson
Byte	O	p166	a	Analyze Your Car's Gas Economy with Your Computer by John Bauernschub
Byte	N	p146	a	Implementing an LSI Frequency Counter by Perry Lynne
Calc. Comp.	My	p18	a	Home Mortgage by LeRoy Finkel
Calc. Comp.	My	p53	a	Inventory Pricing by LeRoy Finkel
Comp. Notes	Ja	p3	a	Altair 680B Aids in Brain Research by Steve Pollini
Comp. Notes	Ja	p5	a	Altair Computer Scores High at Golf Tournament by O E (Gene) Dial
Comp. Notes	Mr	p19	a	Computer Inspects Industrial Output by Bill Kuhn
Comp. Notes	My	p16	a	The Altair Advantage (graphic arts composition application) by Barry Yarkon
Comp. Notes	O	p8	a	BASIC Text Editor Helps Optometrist with Research Reports by Dr. James F. Morrison
Comp. Notes	N	p9	a	Letter Writing Program Solves Photographers Mailing Problem by Lee Wilkinson
Cr. Comput	Ja	p40	a	Computer's Statistics Score High for Basketball Team by Steve Ziehme
Cr. Comput.	Jy	p34	a	Psychiatric Assessments via Computer by Susan Hastings
Cr. Comput.	Jy	p40	a	A New Generation of Biomedical Instruments by John M. Brus
Cr. Comput.	Jy	p41	a	The Miraculous Medical Microprocessor: A Look Into the Future by Pamela Weintraub
Cr. Comput.	Jy	p45	a	Computerized Robots: A Step Into The Future for Hospitals by Susan Trout Armstrong
Cr. Comput.	Jy	p104	a	Keeping the Loan Arranger Honest by James A Warden
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Cr. Comput.	N	p103	a	FINAL EXAMS-Let the Computer Write Them by Bernard Eisenberg
Cr. Comput.	N	p132	m	Systematic Savings
Cr. Comput.	N	p134	a	Inorganic Chemistry Program by J P Peer
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Dr. Dobbs	Je	p15	a	A BASIC-coded Daily Reminder' For Home and Office Use by Bob Moody and Steve Williams
Dr. Dobbs	S	p7	l	Computer Applications For The Handicapped by Warren Dunning
Electronics	S 29	p83	a	Automotive Electronics Gets the Green Light by Gerald Walker
IEEE Comp.	S	p14	a	Real Time Microcomputer Applications Using LLL BASIC by Michael Maples and Eugene Fisher
Interf. Age	F	p86	b	What Computers Can Do by Donald Spencer
Interf. Age	Mr	p40	a	The Computer Even a Baby Can Use, Microcomputer Fetal Electrocardiograms by Kenneth Perry, Basil Steele, Rocky Bridges, Harry Garland
Interf. Age	My	p16	a	Computrac 2000, Microprocessor controlled record player by Robert Cheeseboro
Interf. Age	Je	p96	a	Everyone Likes Payday--General Payroll Package by Bud Shamburger
Interf. Age	Jy	p40	a	Microcomputerized Combination Lock by William Fox and Hasmukh Patel
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Interf. Age	N	p32	a	Computerized Dactyloscopy Speeds Up Fingerprint Search by Linda Folkard-Stengel
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Kilobaud	Ja	p96	a	Computers in Golf...Help for the Handicapped by George Haller

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- Kilobaud F p3 e But What Are You Going To Do With a Home Computer? by John Craig
 Kilobaud F p68 a A Useful Loan Payment Program by Tom Rugg, Phil Feldman
 Kilobaud My p90 a Bridging the Gap...Tips on Turning an Application Into a Program
 by David Stanfield
 Kilobaud Je p88 a Try Solar Energy...Computerized Answer to the Energy Crisis by Hal Chamberlin
 Kilobaud Je p106 a Computerized Typesetting...An Introduction to Word Processing
 by Lee Wilkinson
 Kilobaud Jy p90 a Pass the Buck...computer decision-maker program by Phil Feldman and Tomm Rugg
 Kilobaud Ag p10 b Microcomputer Applications Handbook by David Guzman
 Kilobaud Ag p40 a Sobriety Tester Program..logic conquers Demon Rum!! by Al Gerbens
 Kilobaud N p34 a Lifetime Program...will you make it?
 by Terrence Lukas, Univ of Illinois Med Cntr.
 Per Comput My p48 a DOTS Break the Ice
 Per Comput My p54 a Recursive Budgeting by O.E. Dial
 Per. Comput. N p4 l CORRECTION FOR: Recursive Budgeting (May '77 Per Computing) by Alex Nesenjuk
 Per. Comput. Jy p27 a Hate to Type word processing is for you by Anthony Abowd
 Per. Comput. Jy p46 a Golfcap (Handicap program) by O E (Gene) Dial
 Per. Comput. S p74 a Computer Modeling by Webb Simmons
 Per. Comput. N p72 a Conferee, message handling program by Gene Dial
 ROM Jy p19 a Charity-Begins-at-Home Computing, Applications for the Blind by Hesh Wiener
 ROM S p18 a Computer Wrestling: The Program of Champions by Lee Felsenstein
 ROM O p20 a Guard Against Crib Death with Your Micro by Jon Glick
 ROM N p22 a Project Prometheus Going Solar With Your Micro by Lee Felsenstein
 ROM D p19 a Computers Challenge America's Cup by Eben Ostby
 ROM D p35 a The Micro Diet Better Health Through Electronics
 by Karen Brothers and Louise Silver
 ROM D p66 a Computer Models in Psychology by Joseph Weizenbaum
 SCCS Interf. Jy p26 a Applications Exchange by Larry Press
 SCCS Interf. Jy p39 a Aircraft Flight Plan Program by Bob Ripley
 73 Ja p96 a A Software Replacement for the Muffin Fan -- IC Cooling Program
 by Jack Olivieri
 73 F p72 a Computerized Satellite Tracking -- The Needed Software by Bob Henson
 73 D p106 a Computerized Global Calculations -- finding the best way to Pago Pago
 by Carl Wagar

ART

- Byte Ag p70 a Serendipitous Circles by D John Anderson, & William Galway
 Byte O p23 a About the Cover...and Some More of the Same (graphic drawings)
 Cr. Comput Ja p53 m Birthday Plots of Creative Computing by Wang and HP Calculators
 Cr, Comput. My p50 m A Picture in 20 Lines by E Young
 Cr, Comput. My p65 m Centerfold "Geometrics" by A Varion Statos Electrostatic Printer
 Cr. Comput. Jy p137 a Anamorphic Art by Andy Zucker
 Cr. Comput. S p61 a Art & Mathematical Structures, Flips and Spins
 by R. Chandhok and M. Critchfield
 Cr. Comput. S p118 a ARTSPEAK-A Computer Language For Young At Heart And The Art Lover
 by Jehosua Friedmann
 Cr. Comput. S p132 a LISSAJOUS by Larry Ruane
 Cr. Comput. S p134 a When Does White Equal Blue by Interview with Metacolor's Eric Morey
 Cr. Comput. N p72 a Plotter Art by Nick Mykris
 Cr. Comput. N p96 a Aesthetic Preferences for Pseudo Random Computer Generated Patterns
 by A. Michael Noll
 Kilobaud Je p17 b Artist and Computer by edited by Ruth Leavitt
 PCC N p25 a Computer as Art Critic by Jim Day
 Per Comput Ja p9 b Artist and Computer by Ruth Leavitt,ed.
 Per Comput Ja p92 a The Equalizer
 Per Comput Mr p140 a Featured Artist: Duane Michael Palyka (foldout)
 Per Comput My p140 a Featured Artist: Aldo Giorgini
 Per. Comput. Jy p86 m Featured Artist : Manuel Barbadillo
 Per. Comput. Jy p127 b Artist and Computer, A review by Jef Raskin
 ROM O p55 a The Unlikely Birth of a Computer Artist by Richard Helmick
 ROM N p96 a Light Fantastic The Kinetic Sculpture of Michael Mayock
 by Tom Moldvay and Lawrence Schick
 ROM D p85 a Micro, Micro on the Wall, How Will I Look When I am Tall? by Stuart Dambrot

ASTRONOMY

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Interf. Age	Ag	p33	a	Local Sidereal Time and Date by James Brennan
Interf. Age	Ag	p36	a	A KIM-1 Sidereal/Solar Clock by John Bumgarner
Interf. Age	Ag	p38	a	Solar Eclipse Prediction by Microcomputer by Nickey Naumovich, Jr.
Interf. Age	Ag	p48	a	Computing the Positions and Orbits of the Planets by Timothy O'Shaughnessy
Interf. Age	Ag	p56	a	Viking UPLINK by Sven Grenander
Interf. Age	Ag	p94	a	Star-Ship Simulation Part I by Roger Garrett
Interf. Age	S	p86	a	Star Ship Simulation Part II by Roger Garrett

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Byte	F	p121	m	Further Notes on Bar Codes
Byte	Mr	p13	l	Paperbytes Forum (Several letters) by ...
Byte	Mr	p130	a	Another Paperbytes Test
Byte	Ap	p162	a	Paperbytes Forum (Several Letters) by ...
Byte	My	p145	m	Blabberwacky: Answer to Bar Code Puzzle (Mar.'77 Byte p130)
Byte	Jy	p157	m	March and May Byte machine readable code corrections
Byte	Jy	p128	l	Bar Codes and other topics (2 letters)
Dr. Dobbs	Ap	p36	a	The Characteristics & Decodability of the Universal Product Code Symbol by D Savir, G Laurer, IBM

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Interf. Age	O	p138	a	Biorhythm (BASIC Listing)CORRECTION BELOW by William Mitchell
Interf. Age	D	p140	a	Biorhythm Revised and Corrected Printing of October '77 Article by William Mitchell
Per. Comput.	N	p95	a	Biorhythm & Readout by Phil Hughes
Pop. Elec.	Je	p45	a	Biorhythm Forecast

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PCC	S	p40	a	Biofeedback and Microcomputers by Tim Scully
PCC	N	p45	a	Biofeedback & Microcomputers Part II by Tim Scully
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BOOKS AND PUBLICATIONS

Byte	Ja	p119	a	Clubs and Newsletters Directory
Byte	Mr	p14	e	Byte Goes International by Carl Helmers
Byte	Jy	p153	b	Dr Dobb's Journal of Computer Calisthenics and Orthodontia (magazine)
Byte	Ag	p156	l	A Personal Computing Electronic News Service (Wash. Amatr Computer Soc) by Robert Jones etc.
Byte	S	p6	e	Reflections on Entry into Our Third Year by Carl Helmers
Byte	S	p59	a	Personal Computer Network (Palo Alto)
Comp. Notes	Ap	p10	a	Publications Provide Novice with Essential Information by Rich Haber
Comp. Notes	O	p27	b	The Best of Creative Computing Vol. 2 by David Ahl
Comp. Notes	O	p28	b	The Best of Byte, Vol.1
Cr. Comput.	Mr	p125	a	Index to The Best of Creative Computing Vol. 2 by ?, probably David Ahl What's Your Guess?
Cr. Comput.	Mr	p127	a	Index to The Best of Creative Computing Vol. 1 by ?, again
Cr. Comput.	Jy	p91	a	The Case of the Reader Uncovered or The Clue From the 41 Square Boxes by Burchenal Green
Cr. Comput.	S	p34	a	World Model Bibliography
Cr. Comput.	N	p6	e	Reflections At The End Of Our Third Year by David Ahl
Dr. Dobbs	Je	p5	a	Wayne Watch: A New DDJ Featurette for the Naive Novice by Jim Warren, Jr.
Dr. Dobbs	Je	p59	e	DDJ 'will' Get Back on Schedule (&some notes regarding Faire labor Laws) by Jim Warren
EDN	Mr5	p93	a	EDN Article Index July - December, 1976
Elec. Des.	Ap12	p154	a	Electronic Design 1976 Annual Index of Articles
Elem Elec	My	p72	a	Books You Can Learn About Microcomputers From by Norman Meyers
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Interf. Age	Jy	p130	a	New Product Guide: Literature
Interf. Age	S	p18	a	Programming the Human Computer: How and What to Submit to Book Publisher by Merl Miller

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Interf. Age	N	p23	a	Programming the Human Computer: How to Write and Article Part II by Merl Miller
Kilobaud	Ja	p19	b	The Best of Creative Computing Volume I by David Ahl, ed.
Kilobaud	Ag	p90	a	Sooo, You Want to be an Author by George Young
Kilobaud	D	p120	a	Kilobaud 1977 Index
PCC	Ja	p2	a	Who We Are (results of reader survey) by If you are a reader then, YOU
PCC	Mr	p40	b	The Electronic Projects Newsletter by Robert Delp, publisher
PCC	Mr	p40	b	Calculators / Computers (magazine)
PCC	Mr	p42	a	PCC: New Directions (reader survey results)
PCC	Jy	p21	a	Computer Books for Children
Pop. Comput.	F	p19	m	Annual Index Issues 34 to 45 , January to December 1976
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ROM	S	p12	a	The Human Factor: Booked Up for Fall by Andrew Singer
SCCS Interf.	Ag	p50	a	Games and things (List of Books on Games) by Phil Feldman and Tom Rugg
SCCS Interf.	Ag	p57	a	Reviews, Pointers 'n' Such by Ron Carlson
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Calc. Comp.	My	p63	a	Payroll by Peter Sessions
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Interf. Age	N	p18	a	Jurisprudent Computerists: DISC The Non-Floppy Approach to Saving Taxes by Elliot MacLennan, JD, and Stephen Murtha
Interf. Age	N	p56	a	General Ledger Program-The Micro Bookmaker-Part III by Bud Shamburger
Interf. Age	D	p20	a	Jurisprudent Computerist: Sole Proprietorships and Partnerships by Elliot MacLennon JD and Stephen Murtha
Interf. Age	D	p40	a	Household Finance System I by Francis Ascolillo
Interf. Age	D	p48	a	Household Finance System II by Francis Ascolillo
Interf. Age	D	p56	a	Personal Accounts Payable Program by Kevin Redden
Interf. Age	D	p84	a	Job Cost Estimating By Random Numbers by William Thompson III
Kilobaud	F	p68	a	A Useful Loan Payment Program by Tom Rugg, Phil Feldman
Kilobaud	F	p134	a	Computerized Statement...The Answer to Slow-Paying Customers by Lee Wilkinson
Kilobaud	My	p34	a	Cure Those End-of-Month Blues...with a sales analysis program by Lee Wilkinson
Kilobaud	Je	p94	a	Simplified Billing System...In BASIC for the Small Business by Carl Denver Warren II
Kilobaud	N	p106	a	Payroll Program...or small businessmen by Ron Harvey
Kilobaud	D	p44	a	Payroll Program (Continued)...cassette techniques by Ron Harvey
Kilobaud	D	p90	a	Who needs a Broker?...analyze your stocks at home by George Haller

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Per. Comput.	Jy	p31	a	Personal Computers in Your Neighborhood Drugstore by Barry & Allan Yarkon
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ROM	Jy	p41	a	Altair and the Art of Motorcycle Shop Maintenance by Gordon Morrison
ROM	Ag	p14	a	Legal ROMifications: Hobby or Business? by Peter Feilbogen
ROM	S	p87	a	A Payroll Program for Your Small Business by Robert Forbes
ROM	O	p89	a	Small Business Payroll Program Follow Up by Robert Forbes
ROM	O	p96	a	You, Inc. by Peter Feilbogen

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Byte	Je	p13	1	Some SR-51 Calculator Interface Info by William Lewis
Byte	S	p176	1	More Hidden Gold: PC-100 Operates with SR-51 by Webb Simmons
Byte	O	p18	a	How to Write an Application Program (SR-52) by William Jenkins
Byte	D	p19	1	Confirmation of the SR-51A Printer Trick...And Some Grapevine Juice by William A Faria
Calc. Comp.	My	p7	a	Calculators in the Elementary School by David Moursund
Calc. Comp.	My	p21	a	Calculators for Beginners by Bob Albrecht
Calc. Comp.	O	p23	a	Simpson's Rule for Volume and the Hand Held Calculator by Mrs. M Stoessel Wahl
Calc. Comp.	O	p57	a	Introducing Calculators to Your Class by Jean B. Rogers
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Calc. Comp.	N	p67	a	Calculators for Beginners by Bob Albrecht
Calc. Comp.	N	p75	a	How Many Digits Do You Want?...on your calculator or computer... by Douglas Scott
Cr. Comput	Mr	p10	1	Comparing the HP-25 with the SR-56 by George Thompson
Cr, Comput.	My	p34	a	Sophisticated Pocket Calculators: Theory & Practce for the Consumer,User by Edward Tufte, Princeton Univ.
Cr. Comput.	S	p88	a	The Pocket Computer is (Almost) Here by Richard Ahern
Dr. Dobbs	S	p46	a	Hexadecimal Calculator Helps Programmers Work With Computer Number Sys.
EDN	F 20	p123	a	Use the HP-25 as Timer & Scorekeeper by Gordon Wong
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EDN	S 20	p120	a	SR-52 Program Calculates Inductance of Straight Wires by Thomas Gross
EDN	N 5	p99	a	Simple Calculator Programs Replace Unwiedly Nichols Charts (HP25,SR56) by Gordon Wong
Elec. Des.	Mr1	p20	a	Today's Scientific Calculators Offer More Computing Power and Cost Less by Jim McDermott
Elec. Des.	Mr1	p54	a	Power Calculators for the Blind (SR-52) by Claus Janota, Applied Research Lab
Elec. Des.	S 13	p100	a	Predict Systems Dependability with a Pocket Calculator (SR52) by Ronald Zussman
Elec. Des.	D 6	p14	1	CORRECTION FOR ABOVE Predict System Dependability (ED Sept 13 '77 p100)
Electronics	Ja6	p115	m	Programming the SR-52 for Engineering-Format Display by Daniel Ozick
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Electronics	Mr31	p119	m	Conversion Program Helps Deal with Decibels (SR-56) by John Bryant
Electronics	Ap28	p121	m	Coil-Winding Program Saves RF Design Time (HP-25) by Andrew Hudor
Electronics	My12	p121	m	SR-52 Solves Network Equations by Finding Complex Determinate by Chris McIntyre
Electronics	Jy21	p6	1	CORRECTION FOR ABOVE Calculator Notes May 12 '77 p121 (Matrix Equations)
Electronics	Je9	p152	m	SR-52 Program Simplifies Universal Number Conversion by John Bryant
Electronics	Jy7	p117	a	HP-25 Program Optimizes System Noise Figure by Peter Rowe and D Clifford Smith
Electronics	Ag4	p112	m	Recycling Protected Program Cards in HP Calculator
Electronics	Ag18	p124	m	SR-52 Has Two More Hidden Talents
Electronics	S 1	p112	m	Stringing Together Program Cards for the SR-52 by Frederic Fish III
Electronics	S 29	p111	a	SR-52 Solves Second-Order Differential Equations by H E Lee
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Electronics	N 10	p6	1	SR-52 Second Order Diff (Electronics Sept 29, '77 p113) by R O Deck
Electronics	N 24	p118	a	Calculator Programs Simplify Design of Cascaded Tuned Circuits HP67/97 by Albert Hayes
Electronics	D 8	p104	a	Extending Calculator Programs to Staggered Tuned Circuits by Albert Hayes
Electronics	D 8	p119	a	HF Communication Program Finds Antennas Best Fire Angle (HP-25) by Antonio Alberto Botto de Barros

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| Elem Elec | My | p67 | a | RF From Your Calculator (An RF Signal Generator from your Calculator)
by Bob Baxter |
| Elem Elec | S | p61 | a | Computer Readout: Programmable Calculators, Guide by Norman Meyers |
| Elem Elec | N | p37 | a | e/e Checks out the..TI 58 Programmable Calculator |
| Ham Radio | O | p38 | a | Calculator Aided Circuit Analysis (HP25) by Leonard H. Anderson |
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| Kilobaud | Ja | p86 | a | Programming? It's Simple (calculators) by Peter Stark |
| Kilobaud | F | p5 | b | Calculator Users Guide and Dictionary by Charles Sippl |
| Kilobaud | My | p12 | b | How To Get The Most Out Of Your Low Cost Electronic Calculator
by Ronald Benrey |
| Microtrek | Ja | p21 | a | Interfacing a Microcomputer to a Pocket Calculator by Michael Wimble |
| PCC | Ja | p12 | b | Calculator Calculus by George McCarty |
| PCC | Ja | p13 | a | Kalkulator Korner by Gene Hegedus |
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| PCC | Jy | p16 | a | Programming The HP-25 by David W. Johnston |
| PCC | Jy | p20 | a | SR-56 Programs (List of 61 Public Domain Programs) by David W. Johnston |
| PCC | S | p5 | l | Letter about RPN techniques by Kenneth Newcomer |
| Per. Comput. | N | p108 | a | The Programmable Pocket Calculator;An Introduction To Personal Computing
by James Pittman |
| Per. Comput. | N | p112 | a | Selecting Personal Programmable Calculators (Selection Guide) |
| Pop. Comput. | Mr | p14 | a | Schwartz on Calculators by Dr. Mordecai Schwartz |
| Pop. Comput. | S | p4 | a | Vanderburgh on Calculators by Richard Vanderburgh |
| Pop. Elec. | Ag | p56 | a | The HP25 as a Digital Clock/Timer also Convert a 4-Banger to a Stopwatch
by Charles Stanford |
| Pop. Elec. | O | p14 | m | CORRECTION FOR ABOVE Convert a 4-Banger to Stopwatch (PE Aug '77 p57) |
| Radio Elec. | N | p80 | a | National's Number Cruncher MM57109 by Karl Savon |
| 73 | N | p58 | a | Track OSCAR With your SR-52 -- requires the PC100 option by Art Burke |
| 73 | D | p32 | l | Correction For Above by Art Burke |
| 73 | N | p64 | a | Track OSCAR In Real Time -- with your HP-67 calculator by Thomas Prewitt |
| 73 | N | p80 | a | Calculate OSCAR Orbits -- with your HP25 calculator by J W Marriette |
| 73 | D | p182 | a | Tanks A Lot! -- inductor calculation program by Allen Fehl |
| 73 | D | p198 | a | Inside the SR52 -- calculator doubles as a Micro by Eugene Doren |

CLUBS AND ORGANIZATIONS

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| Byte | Ja | p116 | a | A Computer Hobbyist Club Survey by David Caulkins |
| Byte | Ja | p119 | a | Clubs and Newsletters Directory |
| Byte | Ap | p70 | a | Establishing the CHU Dynasty (Let it all Hang Out)
by Stephen Gray, Amateur Computer Society |
| Byte | My | p113 | l | Some Thoughts on Clubs by Frank Stodolka |
| Cr. Comput. | My | p70 | a | List of Amateur Computer Clubs |
| Cr. Comput. | S | p22 | a | It's Time For A National Computer Club by Rich Kuzmack |
| Dr. Dobbs | Mr | p14 | l | Microcomputer Clubs in Japan by Haruhisa Ishida, University of Tokyo |
| Interf. Age | Ag | p27 | a | Sense Line: by Robert Jones |
| Interf. Age | O | p22 | a | Sense Line: Club / Group Purchases by Bob Jones |
| Interf. Age | N | p28 | a | Sense Line: How to Keep Up Membership and Interest in Clubs by Gary Coleman |
| Kilobaud | Ap | p4 | e | Computer Clubs by John Craig |
| Kilobaud | Je | p30 | a | Computer Club Professional Techniques...When You Can't Afford Madison Av
by Charles Floto |
| Kilobaud | Ag | p106 | a | Start a One-Man Computer Club...put yourself on the map by Ernie Brooner |
| Per Comput | Ja | p28 | a | Sign Up a Software Scribe: The Power of a Club |
| Per Comput | Ja | p94 | a | Listing of Computer Clubs |
| Per. Comput. | Jy | p88 | a | Club Roundup by Louise Garcia |
| Per. Comput. | N | p123 | a | Club Roundup by Louise Garcia |
| Pop. Elec. | Ap | p97 | a | Hobbyist Computer Clubs, list |
| Pop. Elec. | Jy | p91 | a | Hobbyist Computer Clubs Update to Apr'77 List |
| SCCS Interf. | F | p22 | a | Proposal for a new SCCS Member Discount Plan by Gene Murrow |

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| Byte | N | p50 | a | Using Interrupts for Real Time Clocks (6800) by M F Smith |
| Byte | N | p68 | a | Does Anybody Know What Time It Is? by Robert Grappel |
| Byte | N | p72 | a | Adding an Interrupt Driven Real Time Clock by James R Sneed |
| Byte | N | p166 | a | Do You Need the Real Time? by Gregory A R Trollope |
| Interf. Age | Ag | p36 | a | A KIM-1 Sidereal/Solar Clock by John Bumgarner |
| Interf. Age | N | p9 | l | CORRECTION FOR ABOVE Sidereal Clock p36 Aug '77 Interface Age
by Donald Johnson |
| Kilobaud | F | p80 | a | Found: A Use for Your Computer...a Clock Program For The Kim
by Lindsay Miller |

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Kilobaud	0	p64	a	Understand Your Interrupts!...real time clock applications by William Hand
Pop. Elec.	Ag	p56	a	The HP25 as a Digital Clock/Timer also Convert a 4-Banger to a Stopwatch by Charles Stanford
Pop.Elec.	D	p6	1	Correction for Convert a Four Banger to a Stopwatch
ROM	Ag	p55	a	Binary Clocks by Caxton Foster

COMMUNICATION

Byte	S	p59	a	Personal Computer Network (Palo Alto)
Cr. Comput.	S	p54	a	Computerized Conferencing: Present and Future by Murray Turoff
Cr. Comput.	S	p58	a	The Computer Conference: An Altered State of Communication? by Jacques Vallee, Robert Johansen and Kathleen Spangler
Dr. Dobbs	Ag	p13	a	PCNET-A- Personal Computing Network by Dave Caulkins
PCC	Jy	p31	a	Personal Computer Network
PCC	S	p8	a	The Computer Conference An Altered State of Communication? by Jacques Vallee, Robert Johansen, and Kathleen Spangler
PCC	S	p14	a	Computer Networks by Larry Tesler
PCC	S	p18	a	PCNET 1979 by Dave Caulkins
Per. Comput.	Jy	p39	a	Senator Harrison Schmitt on Computers and Telecommunications
ROM	Jy	p33	a	ASCII/Telly by Robert Osband
ROM	D	p43	a	Come Closer and we won't even have to talk by Avery Johnson

CONSTRUCTION

Byte	Ja	p92	a	Seperate Your Sync by David Rosen
Byte	Mr	p50	a	What's Involved in Kit Building by Louis Frenzel
Byte	S	p26	a	A New Dress for KIM (A Brief Case History) by R Travis Atkins
Byte	S	p54	a	One-Sided View of Wire Wrap Sockets by Ira Rampil, Univ of Wisconsin
Byte	N	p54	a	Spikes: Pesky Voltage Transients and How to Minimize Their Effects by John McCain
Byte	N	p80	a	Building a Computer from Scratch by Hilary D Jones
Byte	D	p84	a	Get Your System Together (Cabinet) by John Whitney
Byte	D	p154	a	Where to Get Bargains in Used Computer Equipment by Sol Libes
Byte	D	p192	m	A Note to Novice Kit Builders (pin 1 identifiers)
Cr. Comput	Ja	p31	a	Be Careful of RFI and TVI from Your CPU
EDN	Jy20	p230	a	Product Showcase: Hardware and Interconnect Devices by Paul Snigier
EDN	0 20	p82	m	Audible Logic Probe Doubles as DVM Input Section by George Row
EDN	D 15	p24	a	Product Showcase: Components
EDN	D 15	p258	a	Product Showcase: Hardware and Interconnect Devices
Electronics	Ag18	p121	a	Design Checklist Aids PC-Board Designers by Robert J. Stetson
Interf. Age	My	p95	a	Card-of-the-Month Poly I/O Ideaboard Prototyping Board for S-100 Bus by Roger Edelson
Interf. Age	Jy	p70	a	Project Enclosures From P.C. Board by Tom Balph and Dick Spurgeon
Kilobaud	Ja	p64	a	Wire Wrapping...Try It! by Dennis Brown, Wave Mate
Kilobaud	F	p18	a	ZAP! (CMOS) by Joe Magee
Kilobaud	My	p110	a	Kilobaud Klassroom...part 1: Getting the Ball Rolling by George Young, Sierra High School
Kilobaud	Je	p78	a	Try a Design Console...For Practical Hardware Prototyping by George Young
Kilobaud	S	p50	a	kilobaud Klassroom: PC Boards and Power Supplies by George Young
Kilobaud	0	p42	a	Put your IMSAI on the Rack!...it's not torture by Don Walters
Kilobaud	D	p36	a	Expand your KIM!...part 2: getting to the nuts and bolts by John Blakenship
PCC	Mr	p40	b	The Electronic Projects Newsletter by Robert Delp, publisher
Per Comput	Ja	p11	b	Hobby Computers are Here by Wayne Green, ed.
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Pop. Elec.	Ja	p44	a	Chemicals for Electronic Servicing by A A Mangieri
Pop. Elec.	My	p55	a	New No-Camera Printed Circuit Board Method by A A Mangieri
Pop. Elec.	S	p81	a	How to Custom Design Plastic Cases for Projects
Pop. Elec.	N	p53	a	How to Dress Up Your Project by Robert Devoe
Pop. Elec.	D	p74	a	Wire Wrapping Techniques for Computer Hobbyists by Adolph Mngieri
Radio Elec.	Jy	p56	a	Extra Hands for the Hobbyist by Earl Savage
Radio Elec.	D	p58	a	Construction Technique: IC Bricklaying for Miniature Projects by Walter Cardwell, Jr.
ROM	Jy	p87	a	Space, Order, and Good Soldering by Ed Hershberger
ROM	Ag	p47	a	Tooling Up by Frank Becker
SCCS Interf.	Ja	p50	a	Helpful Hints or What I Had to Learn To Build a Computer, Nuts and Volts by Tricia Wood
SCCS Interf.	Ag	p53	a	Helpful Hints or What I had to Learn to Build a Computer Soldering by Tricia Wood

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SCCS Interf.	S	p24	a	Art Armstrong's Computer House
73	Ja	p96	a	A Software Replacement for the Muffin Fan -- IC Cooling Program by Jack Olivieri
73	Mr	p50	a	Logical Storage for Logic -- Not Recommended for CMOS by D E Stanfield
73	Mr	p136	a	Making Your Own PC Boards--Part I by Charles F. Smith
73	Ap	p58	a	Making Your Own PC Boards Part II by Charles Smith
73	Je	p178	a	New PC Techniques Unveiled! -- Dig Out Your Old Chemicals by W J Prudhomme
73	Ag	p152	a	PC Layout Tips -- next time, do it right! by Quentin Samelson

CONTROL

Byte	S	p30	a	Control the World! (Or at Least a Few Analog Points) by Steve Ciarcia
Comp. Notes	S	p4	a	A Cheap Approach to the Mechanics of Robotics by Robert Rossum
Dr. Dobbs	Ag	p35	a	Dissecting the SWTPC Control Interface by Phillip Schuman
EDN	0 5	p99	m	Circuit Provides Digital Phase Control of AC Loads by Ralph Tenny
EDN	0 5	p105	a	Low-Cost Control Systems for Computer Hobbyists by Ralph Tenny
EDN	0 20	p62	a	Test Your Analog-Switch IQ by Lee Shaeffer and Steve Bolger
EDN	N 20	p25	a	Simplified BASIC Implements Control Applications by Phil Roybal
Electronics	Jy21	p125	a	D-A Convertor Controls Programmable Power Scource by C Viswanath
Electronics	D 8	p101	a	Programming a Microcomputer for D-A Conversion (Z-80) by Richard Wang
Interf. Age	S	p100	a	Card of the Month: CANADA Systems PC2300 AC Power Control Board by Roger Edelson
Kilobaud	0	p84	a	Dedicated Controllers...there is money to be made by Michael J. Meyers
Pop. Elec.	Ag	p88	a	Computer Bits: Remote Control by Leslie Solomon
Pop. Elec.	D	p60	a	Using Existing House Wiring for Computer Remote Control Parrrt I by Dan Sokol, Gary Muhonen & Joel Miller

CONVERSION, CODE

Dr. Dobbs	My	p9	a	Jack Armstrong's Super Decoding Ring Revisited by Marvin Winzenread
EDN	Ag20	p52	m	Low Power Hand-held Encryption Unit Defies Sophisticated Code-Breakers
EDN	S 20	p109	a	Error-Correction Strategies Safeguard Control Software by Donlan Jones, Tom Cheek
Elec. Des.	Jy5	p80	a	Select a Character/Function Decoder by Robert Stetson
Ham Radio	Ag	p67	a	Serial Converter for 8 Level Teleprinters (Baudot to and from ASCII) by Eric Kirchner
Pop. Elec.	Je	p70	a	How Computers Detect and Correct Transmission Errors by Jerome May
Pop. Elec.	0	p49	a	Hex to ASCII Converter for your TVT-6 by Don Lancaster
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73	S	p80	a	Baudot to ASCII Converter -- use it for OSCAR RTTY by J Gary Mills
Kilobaud	0	p80	a	Utilize ASCII Control Codes!...for cursor control, etc. by Richard Wright
Kilobaud	D	p123	l	CORRECTION FOR Utilize ASCII Control Codes Oct '77 Kilobaud

CONVERSION, NUMBER BASE

Calc. Comp.	0	p63	a	Easy Fractional Conversion From/To Base-10 To/From any Lower Base by S. Steve Adkins
Comp. Notes	Ag	p13	a	Program Useful for Number Conversion by Pat Diettmann
Cr. Comput.	N	p130	a	Changing Bases (BASIC) by Jim West
Dr. Dobbs	Je	p13	a	Conversions Between Octal and Hexadecimal by R Broucke
EDN	Ja5	p46	a	uP Algorithms make BCD-Binary Conversions Super Fast by J A Tabb, M L Roginsky
EDN	Ja5	p46	a	uP Algorithms Make BCD-Binary Conversions Super Fast by J A Tabb, M L Roginsky
EDN	Mr5	p115	a	Fast Algorithm Performs Decimal to Binary Conversion by Allen Lloyd
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Electronics	Mr31	p105	m	Special PROM Mode Effects Binary-to-BCD Converter by D M Brockman
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Electronics	Jy7	p6	l	Add some Asterisks (June 9 '77 Electronics) Number Conversion Prog by Norman Peterson
Interf. Age	My	p114	a	Number Base Conversion Routine by John Swain
Interf. Age	N	p158	a	CONVBASE: Getting Down to Bases by Irwin Doliner
Interf. Age	N	p162	a	Number Base Conversion Program --MWNBCP by Mark Winkler
Kilobaud	Ag	p105	a	HEXDEC...hexadecimal to decimal conversion by Phil Hughes
Pop. Elec.	D	p72	a	Quick Hex-Decimal Conversions by Raymond Bell

DEBUG

Byte	Ag	p158	a	A Trapping Technique for the 8080 by John Schullien
Byte	N	p54	a	Spikes: Pesky Voltage Transients and How to Minimize Their Effects by John McCain
Comp. Notes	My	p21	a	Glitches, "WINDOW" Program Isolates System Faults by Bruce Fowler
Comp. Notes	Jy	p11	a	Glitches Spot Altair 88-PMC Problems by Bruce Fowler, MITS
Comp. Notes	S	p20	a	Glitches: Troubleshooting the 88-4PI0 by Bruce Fowler, MITS
Comp. Notes	N	p10	a	Trace Program Simplifies Debugging for Altair 680b by Doug Jones
Cr. Comput.	S	p26	a	A Dynamic Debugging System by Steve North
Dig. Design	O	p64	a	Troubleshooting with Logic Analyzers by Ken Pine
Dr. Dobbs	Ja	p15	b	Digital Troubleshooting by Richard Gasperini
Dr. Dobbs	Ag	p30	a	An 8080 Tracer by John Walker
Dr. Dobbs	O	p42	l	A 6502 Scanning-Debugger by H T Gordon
EDN	My5	p107	m	Light Emitting Memory aids uP Debugging by K Soe Hojberg
EDN	S 20	p89	a	Ease Painlessly into uC Operation with In-Circuit Emulation by Bruce Gladstone
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Elec. Des.	My10	p74	a	Wring out 4-Bit uP Slices with Algorithmic Pattern Generation. (2900) by Richard McCaskill, Macrodata Corp.
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Ham Radio	F	p56	a	Toubleshooting Logic Circuits by Pat Shreve
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Interf. Age	Mr	p121	a	Octal Debugging Program (ODT-80) Part IV of LLL 8080 BASIC by E R Fisher
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Kilobaud	Ja	p118	a	Nobody Knows the Troubles I've Seen (logic analyzer) by R A Walker, T H Lincoln, A H McDonough
Kilobaud	F	p22	a	Chasing Those Naughty Bits by John Molnar
Kilobaud	Ap	p6	b	Digital Troubleshooting by Richard Gasperini
Kilobaud	Ap	p60	a	The Slow Stepping Debugger by Howard Bendrot, Computer Mart of New Jersey
Kilobaud	Ag	p112	a	Troubleshoot Your Software...a trace program for the 6502 by Larry Fish
Kilobaud	S	p64	a	Try an 8080 Simulator...valuable debugging technique by Lee Stork
Kilobaud	O	p58	a	Memory Troubleshooting Techniques..take a bit for a walk by Charles Cook
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Mini Micro	N	p108	a	Fundamentals of uComputer Systems: Implementation and Checkout
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PCC	N	p42	b	Microcomputer Troubleshooting Manual by Micro Info Assoc.
Pop. Elec.	My	p96	a	Computer Bits; Debugging Aids by Hal Chamberlin
Radio Elec.	O	p74	a	Service Clinic: A Logical Look at Digital Circuits by Jack Darr
ROM	N	p82	a	Maintaining Your Micro by O. S. (The Old Soldier)
ROM	D	p54	a	The Kit & I Part 4: Testing Testing by Richard Langer
73	Ja	p80	a	How to Find a Forgetful Memory, Diagnostics for a Thoughtless Computer by Dan Stogdill
73	Ag	p102	a	Troubleshooting a Micro -- not as bad as it sounds! by Kenneth Hintz

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Byte	Ap	p124	a	Microcomputer Glossary by David Price
Byte	Je	p125	l	The Evolving Lexicon by CJ Mike Fern Jr
Comp. Notes	S	p23	a	R/W Means Read It and Weep (Humorous list of definitions) by Wendell Rice
EDN	Ja5	p75	a	This Programmer's Glossary Defines Key Software Terms by David Matthews
EDN	My20	p101	a	Tired of Decoding Alphabet Soup? Try This Acronym Dictionary by Frank Kaiser
Interf. Age	Jy	p139	b	Computer Dictionary by Donald Spencer
Kilobaud	Ja	p124	a	Glossary by Doug Hagg, John Goettelmann
Kilobaud	F	p122	a	Glossary by Doug Hogg, John Molnar
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Kilobaud	Ap	p6	b	Microcomputer Dictionary and Guide by Charles Sipp1
Kilobaud	Ap	p124	a	Glossary by Tim Barry
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Kilobaud	Je	p112	a	Glossary by Tim Barry

DIGITAL HARDWARE AND CIRCUITS

Byte	F	p122	a	TTL Loading Considerations by Greg Tomalesky, Des Engr, G T Electronics
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DIGITAL HARDWARE AND CIRCUITS continued

Byte	Mr	p137	1	(correction) Why the DAC's Don't Work (Nov '76 Byte p78) by Chris Morgan
Byte	My	p56	a	Interfacing With an Analog World--Part 1 by Joseph Carr
Byte	Jy	p36	a	This Circuit Multiplies by Tom Hall
Byte	S	p190	a	WALSH Functions: A Digital Fourier Series by Benjamin Franklin Jacoby, PhD
Byte	S	p202	b	CMOS Cookbook by Don Lancaster
Byte	0	p11	1	A CMOS Logic Probe by Frank Weissig
Comp. Music	Ap	p4	a	Design of Digital Oscillator Which Generates up to 256 Low Dis. Sine Wav by John Snell
Comp. Notes	S	p18	a	Programable I/O Made Possible with the PIA by Dave Antreasian
Dig. Design	Jy	p26	a	How to Uae the On/Off Relay Action of Junction Field-Effect Transistors by James Buchanon
Dig. Design	Ag	p52	a	Multiplexing Planar Gas Discharge Displays by Robert Kuntz, Dave Sien, and Wayne Wong
EDN	Mr20	p127	a	Take a Fresh Look at New IC Timer Applications (555) by Walter Jung
EDN	My5	p77	a	Designer's Guide to Temperature Sensing by Jim Williams
EDN	My20	p71	a	Designer's Guide to: Temperature Measurement by Jim Williams
EDN	Je20	p87	a	Designer's Guide to: Temperature Control by Jim Williams
EDN	Jy20	p192	a	Product Showcase: Modules and Subassemblies
EDN	Ag5	p54	a	Wide Frequency Astable Multivibrator Uses one R-C Network by Desmond Armstrong
EDN	S 5	p180	m	Low Cost Zero-Cross Thyristor Trigger Uses a 555 IC by Mark Anglin
EDN	0 5	p93	a	Build a Pulse-Width Detector with a 555 Timer by Sudarshan Sarpangal
EDN	0 20	p102	a	74191 Doubles as Limiting Integrator by James Handy
EDN	D 15	p88	a	Product Showcase: IC's and Semiconductors
Elec. Des.	Ja18	p90	m	Watchdog Circuit Guards uP Systems Against Looping by Victor Schiff, and Richard Parr
Elec. Des.	F 1	p68	m	Implement a Lab Scope Data Display with uP Software by Peter Ole Jensen
Elec. Des.	Mr1	p68	a	Control Your Analog Variables Digitally by A Singh
Elec. Des.	Mr1	p74	m	Digital Integrator for Intrusion System Discriminates Against False Sig. by Thomas Gross
Elec. Des.	Mr1	p78	m	Timer Pulses Coasting to a Stop Heighten Electronic Game Realism by William Krengel
Elec. Des.	D 6	p96	a	Game timer generates coasting pulses positively clamped, & Glitch free by William Kraengel
Elec. Des.	Ap26	p120	a	Low Cost Integrator Multiplies 555 Timer's Delay Range 100 Times by William Olthoff
Elec. Des.	Je21	p104	a	Digitally Programmed Oscillator is Suitable or uP Control by Donn Soderquist, Precision Monolithics
Elec. Des.	Jy5	p80	a	Select a Character/Function Decoder by Robert Stetson
Elec. Des.	Jy5	p88	a	Obtain a Compressed Counting Range with a Variable-Modulus Counter by Charles Mitchell
Elec. Des.	Jy5	p90	a	555 Timer Circuit Generates Ultra-low Frequency Signals by Cedimir Milosavljevic
Elec. Des.	Jy19	p106	a	Recognize Upper-Case Letters Only With a Simple Two-Gate Circuit by Dr. Chacko Neroth, Amdahl Corp.
Elec. Des.	Ag2	p80	a	Keep Your Microcomputer Alive as Power Fails by Larry Bruni
Elec. Des.	Ag2	p102	a	Pulsing a PROM's Supply Voltage Reduces Energy Used by Peter Ernst
Elec. Des.	Ag2	p110	a	Variable-Delay Circuit Built with Multivibrators Preserves Pulse Width by John Keller
Elec. Des.	Ag16	p106	a	Logic Interfacing Circuit Translates Many Levels to TTL by M J Salvatti
Electronics	Ja20	p99	m	Two Phase Clock Features Nonoverlapping Outputs by Neil Hecki
Electronics	F 17	p99	a	Analog Current Switch Makes Gain Programmable Amplifier by John Maxwell
Electronics	Mr3	p117	m	Chart Aids Selection of Optimum LED Driver by William Palm
Electronics	Jy7	p104	a	One Shot Multivibrator has Programable Pulse Width by Stephen Armfield
Electronics	Jy7	p116	a	Fail-Safe Reset Circuit Initializes Processor by C Gyles
Electronics	Jy21	p104	a	Nonmaskable Interrupt Saves Processor Register Contents (CMOS RAM) by Ivars Breikss
Electronics	Jy21	p107	a	Differentiator and Latch Form Synchronous One-Shot by Chacko Neroth
Electronics	Jy21	p123	a	Time-Shared DVM Displays 2 Inputs Simultaneously by Barry Harvey
Electronics	Jy21	p125	a	D-A Converter Controls Programmable Power Scource by C Viswanath
Electronics	Ag18	p115	a	Ring Counter Synthesises Sinusoidal Waveforms by Timothy Jordan
Electronics	Ag18	p120	a	Two of 16 LED's Display 8 Bit Binary Word by Dennis Saputelli
Electronics	S 1	p108	a	Expanded Test Inputs Increase 4004 Processor Capability by Robert Starr
Electronics	N 10	p103	a	Optocoupler Transmits Pulse Width Accurately
Electronics	N 10	p102	a	Feedback Extends Sequence of Random- Number Generator by J T Harvey
Electronics	N 10	p105	a	Timer IC Circuit Separates Rep Rate and Duty Cycle Control by Arturo Sancholuz
Electronics	N 10	p119	m	Shunt Diode Extends Linear Range of LED by R W Dawson

DIGITAL HARDWARE AND CIRCUITS continued

Ham Radio	Ag	p41	a	Touch Tone Encoder by Howard Berlin
Ham Radio	D	p26	a	How to select TTL Sub-Series ICs for Different Digital Designs by Ian MacFarlane
Interf. Age	Ja	p47	a	Build a 3 Digit A/D Converter for Your Microcomputer by Roger Edelson
Interf. Age	F	p68	a	Applying the LD130 A/D Converter Chip by Roger Edelson
Interf. Age	Mr	p84	a	Product Guide: Components
Interf. Age	Mr	p110	a	Hardware Report: Review of Several ICs by Roger Edelson
Interf. Age	Ap	p31	m	L.E.D. Flasher by Nathan Loofbourrow
Interf. Age	Ap	p68	a	Programmable Bit-Rate Generator by Krishna Rallapalli
Interf. Age	Ap	p101	b	Basic Electricity and DC Circuits by Ralph Oliva, Charles Dale
Interf. Age	My	p84	a	Hardware Report: Western Digital's FR1502E First In/First Out Buffer IC by Roger Edelson
Interf. Age	Je	p66	a	Introducing the S-100 Standard Small Computer Bus Structure by W M Goble
Interf. Age	Jy	p125	a	New Product Guide: Components
Interf. Age	Ag	p121	b	Bipolar Microcomputerer Components Data Book for Design Engineers by Texas Instruments Engr. Staff
Interf. Age	S	p132	b	8080 Programming for Logic Design by Adam Osborne
Interf. Age	S	p132	b	CMOS Cookbook by Don Lancaster
Interf. Age	N	p76	a	Telephone Associated Integrated Circuits by Roger Edelson
Interf. Age	D	p95	a	The Byte Spy by Paul Jessop
Interf. Age	D	p112	a	Multivibrators by James Kendrick
Kilobaud	F	p18	a	ZAP! (CMOS) by Joe Magee
Kilobaud	F	p132	a	A 6800 Single Stepper by Mark Borgerson
Kilobaud	Ap	p22	a	Clocked Logic...Part 2: Some Basic Applications by Don Lancaster, SYNERGETICS
Kilobaud	Ap	p106	a	Three-State Logic...explanation of a key uP element by John Molnar
Kilobaud	My	p13	b	CMOS Cookbook by Don Lancaster
Kilobaud	My	p24	a	Clocked Logic...Part 3: Data Convertors and Special Functions by Don Lancaster
Kilobaud	My	p98	a	Adding "PLOP" to Your System...a Noisemaker for Computer Games by Don Parks
Kilobaud	Je	p18	b	The Big CMOS Wall Chart by Don Lancaster
Kilobaud	Jy	p66	a	Kilobaud Klassroom #3: JK Flip-Flops and Clocked Logic by George Young
Kilobaud	Jy	p74	a	Digital Audio...Part 3: Signal Expansion and Compression by Tom Scott
Kilobaud	S	p97	a	Decoding Device Control Codes...uses a UART, naturally by Phil Hughes
Kilobaud	O	p70	a	Kilobaud Klassroom #5: Hardware Logical Functions by George Young
Kilobaud	O	p80	a	Utilize ASCII Control Codes!...for cursor control, etc. by Richard Wright
Kilobaud	N	p76	a	Kilobaud Klassroom #6: Voltage, Current, and Power Supplies by George Young
Kilobaud	D	p66	a	Kilobaud Klassroom #7:...transistors, diodes and op amps by George Young
PCC	Mr	p14	a	Chip Talk Revisited by Don Inman
PCC	My	p25	b	Digital Troubleshooting by Richard Gasperini
Pop. Elec.	Ap	p53	a	The How's & Why's of D/A and A/D Converters by Robert Pascoe
Radio Elec.	Ap	p58	a	IC Application: Reticon Dual 512 Analog Delay Line
Radio Elec.	O	p70	a	Timers, Timers, Timers 555,7490, 7448 They all work together by Earl Savage
73	Ja	p96	a	A Software Replacement for the Muffin Fan -- IC Cooling Program by Jack Olivieri
73	Mr	p106	a	How Counter IC's Work -- The Next Step is a Micro by William Browning
73	My	p89	a	TTL Techniques -- Bypass Those Glitches by William Browning
73	My	p118	a	Try Power Saver Logic -- A Guide to CMOS Applications by W J Prudhomme
73	Jy	p60	a	CMOS Oscillators -- practical techniques by WJ Prudhomme
73	Jy	p71	a	Bounceless TT Decoder -- a single chip does it! by Joe Magee

DISPLAYS, 7-SEGMENT ETC.

Byte	Mr	p122	a	Multiplex Your Digital LED Displays by James Hogenson
Byte	S	p175	1	CORRECTION FOR: Multiplex Your LED Displays, March '77 Byte, p 122 by Don Woods
Byte	Ag	p114	a	An 8 Digit Hexadecimal Readout by R R Burns
Dig. Design	Mr	p34	a	LED There Be Light by Wayne Filichowski
EDN	Ag5	p76	a	Meet Medium Scale Display Needs with Dot Matrix Gas Panels by R.C. Danta
Elec. Des.	S 1	p13	1	CORRECTION FOR: ELEC DES. #25 Dec 6 '76 Display Letters Symbols
Elec. Des.	S 13	p122	m	Add Missing Segments to 6 & 9 on standard 7-segment decoders by A K Mitra
Elec. Des.	D 6	p56	a	Focus on Readouts
Electronics	N 24	p128	a	LED Bar-Segment Array Forms Low-Cost Scope Display by Vernon Boyd
Ham Radio	Mr	p58	a	Using LED Displays by Jon Springer
Ham Radio	Ap	p60	a	Novel Indicator Circuit, using red and green LED's by Ken Powell
73	Je	p174	a	Current-Saver Counter Display -- Multiplex Those LED's by Bob Hart

EDUCATION

Byte	Ja	p76	a	Product Description; A Tutorial Training Computer
Byte	Ag	p26	a	A Microprocessor Course (Experience at Franklin Univ) by Mark Fohl
Byte	N	p60	a	Simple Math Lessons by Robert Lloyd
Calc. Comp.	My	p7	a	Calculators in the Elementary School by David Moursund
Calc. Comp.	My	p21	a	Calculators for Beginners by Bob Albrecht
Calc. Comp.	My	p39	a	STATES
Calc. Comp.	My	p57	a	Computers in Junior High Schools by Karen Billings
Calc. Comp.	My	p76	a	BASIC Test Units by LeRoy Finkel
Calc. Comp.	O	p9	a	It's Fun/ It's Educational-Classroom Computer Games by Joanne Koltnow Verplank
Calc. Comp.	O	p31	a	Elementary Library***:Library Catalog courtesy of Mac Oglesby
Calc. Comp.	O	p40	a	Three Digit Number Problems by Bob Albrecht
Calc. Comp.	O	p49	a	BASIC Subscripted Variable Tests by LeRoy Finkel
Calc. Comp.	O	p57	a	Introducing Calculators to Your Class by Jean B. Rogers
Calc. Comp.	O	p60	a	Games Computers Play by Bob Albrecht
Calc. Comp.	O	p63	a	Easy Fractional Conversion From/To Base-10 To/From any Lower Base by S. Steve Adkins
Calc. Comp.	O	p69	b	Teaching Using Computers "Calculators, Computers, & Elem. Education" by David Moursund
Calc. Comp.	O	p75	a	Calculators for Beginners by Bob Albrecht
Calc. Comp.	N	p5	a	Apple, Lemon, Plants; Learning Economics with Computer Games by Joanne Koltnow Verplank
Calc. Comp.	N	p13	a	Clock Talk by Dr. Marina Krause
Calc. Comp.	N	p21	a	The Problem Corner by Art Hiatt
Calc. Comp.	N	p27	a	Compound Interest and e by Kendall Hyde
Calc. Comp.	N	p33	a	Contests: Programming Contests by Madeline Giese
Calc. Comp.	N	p38	a	Donuts for Kids by Ron Santore
Calc. Comp.	N	p41	a	Computer Programming 1 & 2 An Experiment in Individualization by Janice Dowd
Calc. Comp.	N	p48	a	Bits & Bytes: The Inside Story About Personal Computers Part 2 by Bob Albrecht
Calc. Comp.	N	p57	a	The 'Soup 2 Nuts' Tin Can Problem by Donald Clyde
Calc. Comp.	N	p65	a	Ideas for a Computer Programming Class by Seymour Grodstein
Calc. Comp.	N	p67	a	Calculators for Beginners by Bob Albrecht
Calc. Comp.	N	p81	a	Games Can Be Educational by Don Inman
Comp. Music	Ag	p?	a	Cognitive Objectives for Computer Assisted Musical Instruction by Ott Laske
Comp. Notes	Jy	p1	a	School Focuses Instruction on Altair 8800 by Susan Dixon, MITS
Comp. Notes	Jy	p8	a	Put a Micro in Your School; Getting Started with Zero Bucks by Harley Dyk
Comp. Notes	Ag	p2	a	Altair Timesharing BASIC Ideal for Educational and Scientific Applics. by Susan Dixon
Comp. Notes	S	p16	a	What's a Microcomputer Class without an Altair 8800b by Linda Blocki
Cr. Comput	Ja	p34	a	A Microcomputer Software Course by Joseph Williams, David Yaney, Robert MacCrone
Cr. Comput	Ja	p36	a	Computer Science at Carnegie-Mellon Univ. by Susan Hastings
Cr. Comput	Ja	p54	a	Interactive Computing in Secondary Schools in France by Robert McLean
Cr. Comput	Ja	p70	a	Complex Problem Solving experiencefor Undergrads Via Computer Technology by Michael Szabo, Thomas Rhoades
Cr, Comput.	My	p52	a	The uComputer Inflicts "Future Shock" on Technical Education by Richard Vuillequez
Cr. Comput.	My	p82	a	CAI: Mathematics Drill and Practice by David Ahl
Cr. Comput.	Jy	p58	a	Supertoys: A New Approach to Learning Mathematics
Cr. Comput.	Jy	p62	a	CAI: Structuring the Lesson to the Student by David Ahl
Cr. Comput.	N	p74	a	CAI: Further Considerations for Presenting Multiple-Problem Types by Laura McLaughlin
Cr. Comput.	N	p103	a	FINAL EXAMS-Let the Computer Write Them by Bernard Eisenberg
Electronics	Ap14	p86	a	Calculators Count More in Class by Judith Curtis
IEEE Comp	Ja	p32	a	Microcomputers in the Computer Engineering Curriculum by John Wakerly, Edward McCluskey
IEEE Comp	Ja	p40	a	A Microprocessor Laboratory for a University Enviroment by Bernard Carey
IEEE Comp	Ja	p53	a	Teaching Microcomputer Interfacing to Non-Electrical Engineers by Peter Rony, David Larsen
IEEE Comp.	Mr	p31	a	Personal Dynamic Media by Alan Kay, Adele Goldberg, Xerox
Interf. Age	Mr	p100	b	Systems Engr. of Education VI: Principles of Computer-Assisted Instruc. by Leonard Silvern
Kilobaud	F	p110	a	7 X 9 = 56 ... Right? by Jack Inman
Kilobaud	Mr	p42	a	Computers for FREE I ... Schools Have a Better Chance by Don Inman
Kilobaud	My	p110	a	Kilobaud Klassroom...part 1: Getting the Ball Rolling by George Young, Sierra High School

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Kilobaud	Je	p38	a	Put a Micro in Your School...Getting Started With Zero Bucks! by Harley Dyk
Kilobaud	Je	p78	a	Try a Design Console...For Practical Hardware Prototyping by George Young
Kilobaud	Je	p98	a	Kilobaud Klassroom No.2 Gates and Flip-Flops Explained by George Young
Kilobaud	O	p90	a	Try WORDMATH!...computer assisted instruction by Mac Oglesby
Kilobaud	D	p62	a	The "Learning Machine"...math tutor program by Sanford Schumacher
Mini Micro	S	p42	a	Acquiring Microcomputer Skills by Carol Ogdin
PCC	Ja	p5	a	My Computer Likes Me More When We Have Conversations, Teaching kids Prog by Joanne Koltnow Verplank
PCC	Ja	p8	a	A Day in the Life of COMMUNITY COMPUTER CENTER by Dean Daily
PCC	Mr	p19	a	A Practical Classroom Computer System by Don Inman
PCC	Mr	p20	a	A High School Computer System by Christopher Lett
PCC	Mr	p21	a	Cabrillo Computer Center, Summary of Activities by Hal Singer
PCC	Mr	p28	a	7 X 9 = 56....Right? by Jack Inman
PCC	Mr	p29	a	Tiny Basic Math Drill by Don Russe1
PCC	Mr	p37	a	Simulations The World of SELLING by MECC Publications
PCC	Mr	p40	b	The Electronic Projects Newsletter by Robert Delp, publisher
PCC	Mr	p40	b	Calculators / Computers (magazine)
PCC	My	p51	a	Women & Math Projects: Lawrence Hall of Science
PCC	Jy	p36	a	Writing CAI by Ellen Nold
PCC	Jy	p42	a	The DATA HANDLER Users Manual: Part 4 by Don Inman
PCC	Jy	p51	a	Computer Assisted Instruction by Franz J. Frderick
PCC	S	p47	b	Calculators, Computers, and Elementary Education by David Moursund
PCC	N	p52	a	Teaching Math with Graphics by Harvey Cohen with David Green
Per Comput	Mr	p106	a	Future Computing (uP's in San Jose Schools) by Peter Grimes
Per. Comput.	Jy	p23	a	Homework by Fred and Joan Saberhagen
Per. Comput.	N	p51	a	Now Teachers can try new approaches to handling masses of data testing.. by Fred & Joan Saberhagen
ROM	S	p34	a	PLATO Makes Learning, Mickey Mouse by Elisabeth Lyman
ROM	O	p42	a	The Wonderful Dreams of Dr. K (Hellen Keller National Center Comp. Use) by Hesh Wiener
ROM	N	p10	a	Missionary Position: Kids, Parents, and Computers by Theodor Nelson
ROM	D	p30	a	COMPUTER COUNTRY An Electronic Jungle Gym or Kids by Lee Felsenstein
SCCS Interf.	Ja	p18	b	My Friend the Computer by Jean Rice
SCCS Interf.	Jy	p13	a	Have Micro Will Travel by Joanne Koltnow Verplank

EXPERIENCE

Byte	Ap	p18	a	Having a "PRIVATE AFFAIR" with Your Computer by Steve Ciarcia
Comp. Notes	My	p12	a	Students Find Altair 680B Kit Easy to Assemble by James Gupton
Cr. Comput.	Ja	p30	a	How I Built an IMSAI 8080 with Solder, Luck & Little Help From The Manual by Steve North
Cr. Comput	Ja	p33	a	Building the SWTPC 6800 by Bryan Loofbourrow
Cr. Comput	Ja	p57	a	Interview with Sally Bachelder; Representative for NY Times Info Bank by Eleanor Corr
Cr. Comput	Mr	p34	a	Saga of a System by Steve North
Interf. Age	Ap	p74	a	Building a Digital Group System by Donald Southwick
Kilobaud	Ja	p99	a	Computer Widow by Barbara Henderson
Kilobaud	My	p38	a	Make Your Investment Count...The Inside View of a Custom MP-68 by Phil Hughes
Kilobaud	My	p60	a	Know Thyself!...Confessions of a Kit-builder by Ken Knecht
Kilobaud	Je	p136	a	My Friend is a Computer Junkie by Sheila Clarke
Per. Comput.	N	p42	a	After the Wheel, What? by Timothy Purinton
ROM	Ag	p26	a	Alice Through the Video Terminal or An Electronic-Metaphysical Fantasy by Sally Steinberg
ROM	Ag	p41	a	The Kit and I by Richard Langer
ROM	S	p18	a	Computer Wrestling: The Program of Champions by Lee Felsenstein
ROM	S	p55	a	The Kit & I Part II: Or Power to the Computer by Richard Langer
ROM	O	p16	a	From Bombs to Roms; The Biography of a Digital Diehard by Lavinia Dimond
ROM	N	p54	a	The Kit & I Part 3: Personality Plus by Richard Langer
ROM	D	p54	a	The Kit & I Part 4: Testing Testing by Richard Langer
SCCS Interf.	Ja	p50	a	Helpful Hints or What I Had to Learn To Build a Computer, Nuts and Volts by Tricia Wood
SCCS Interf.	F	p28	a	Homebrew, Custom Designed Computing System by Larry Rossi, ROLM Corp.
SCCS Interf.	F	p38	a	Helpful Hints, or What I had to Learn to Build a Computer, Chips by Tricia Wood
SCCS Interf.	Jy	p22	a	Helpful Hints, or What I Had To Learn To Build a Computer by Tricia Wood
SCCS Interf.	Ag	p53	a	Helpful Hints or What I had to Learn to Build a Computer Soldering by Tricia Wood
SCCS Interf.	S	p43	a	Helpful Hints, or What I Had to Learn to Build a Computer: Tools by Tricia Wood

FICTION

Byte	Ap	p94	a	Why Aren't There any Altairs on Acturus II? by Henry Melton
Byte	D	p12	a	The Computers of Star Trek by Kurt Schmucker and Robert M Tarr
Comp. Notes	My	p22	a	Wally's Afternoon by Bob Matthews
Comp. Notes	O	p29	a	Why Aren't There Any Altairs on Arcturus II? by Henry Melton
Cr. Comput	Ja	p45	a	The Land of HALCO (Satire) by Frank Rowlett, Jr.
Cr. Comput	Ja	p50	a	How I Installed a Yellow Computer and Saved \$.50 a Week by Alex Ragen
Cr. Comput	Ja	p51	a	Conversation with Ann by Frank Rowlett, Jr.
Cr. Comput	Ja	p60	a	A for Effort, Zero for Arab by Anonymous
Cr. Comput	Mr	p82	a	Lektrowsky's Will by M V Mathews
Cr. Comput.	My	p92	a	Sherlock Holmes and Charles Babbage by Ian Malcolm Earlsom
Cr. Comput.	Jy	p106	a	Sherlock Holmes and Charles Babbage: Scandal at the Cavendish Card Club by Ian Malcolm Earlsom
Cr. Comput.	Jy	p118	a	The New Game by Marshall Ledger
Cr. Comput.	S	p104	a	Into Every Rain A Little Life Must Fall by Craig Strete
Cr. Comput.	S	p110	a	The Message by Lincoln Stein
Cr. Comput.	N	p116	a	Computer Control by Michael Vitale
Interf. Age	N	p150	b	Computers, Computers, Computers in Fiction and in Verse by Dennie VanTassel
Per. Comput.	Mr	p36	a	Wheels of Justice by David Galef
Per. Comput.	S	p110	a	The Electronic Tar Baby by Timothy Purinton
ROM	Jy	p80	a	Anyone Can Win by Thom Veblen
ROM	Ag	p80	a	Forget It! by Henry Melton
ROM	S	p28	a	Bits, and the Thin Red Line by Robert Abel
ROM	O	p80	a	The Very Best Defense by Laurence Janifer
ROM	N	p91	a	Conversion of the Diggers by Dimitri V. Gat
ROM	D	p79	a	Fair Play by Steve McCue
SCCS Interf.	Ja	p43	a	Science Fiction Corner; The Subject is Robots by Lew Whittaker
SCCS Interf.	Jy	p44	a	Science Fiction Corner by Lew Whittaker
SCCS Interf.	S	p31	a	Science Fiction Corner: "Star Wars" Breaks the TV Habit by Lew Whittaker

FUTURE

Byte	Ja	p4	e	The Appliance Computer by Carl Helmers
Byte	Ap	p6	e	How I Was Born 300 Years Ahead of My Time by Carl Helmers
Byte	D	p12	a	The Computers of Star Trek by Kurt Schmucker and Robert M Tarr
Cr, Comput.	My	p8	e	editorial by Stephen Gray
Cr, Comput.	My	p54	a	The World in Your Own Notebook by John Lees
Cr. Comput.	My	p79	a	A Dream for Irving Snerd by Ted Nelson
Cr. Comput.	My	p97	a	Communications in the Second Century of the Telephone by Arthur C Clarke
Cr. Comput.	Jy	p30	a	Medical Computerized Data Bases by Susan Hastings
Cr. Comput.	Jy	p41	a	The Miraculous Medical Microprocessor: A Look Into the Future by Pamela Weintraub
Cr. Comput.	Jy	p61	a	You and the Computer by C W Spangle
Cr. Comput.	S	p54	a	Computerized Conferencing: Present and Future by Murray Turoff
Cr. Comput.	S	p58	a	The Computer Conference: An Altered State of Communication? by Jacques Vallee, Robert Johansen and Kathleen Spangler
Cr. Comput.	S	p88	a	The Pocket Computer is (Almost) Here by Richard Ahern
Cr. Comput.	N	p92	m	The Future of Computing: What Do You Think? Questionnaire by Craig Johnson
IEEE Comp.	Mr	p31	a	Personal Dynamic Media by Alan Kay, Adele Goldberg, Xerox
Interf. Age	Mr	p24	a	Reflections on the Past and Thoughts About the Future of Semicond. Tech. by Dr. C. Lester Hogan
Interf. Age	Mr	p102	a	The Qube by Roger Garrett
Interf. Age	Ap	p32	a	Robots As Household Pets by Robert Rossum
Interf. Age	D	p72	a	The Pocket Computer by David Chapman
Kilobaud	Mr	p13	a	Looking Ahead; If Computer Simulation is the Answer, What's the Question by Rich Didday
Kilobaud	Ap	p8	a	Lookahead Home Computers Hot and Cool
Kilobaud	S	p30	a	The Ultimate Personal Computer by Lawrence Zeitlin
PCC	Ja	p38	a	Space & Computers--a Fascinating Match by John Peers
PCC	S	p8	a	The Computer Conference An Altered State of Communication? by Jacques Vallee, Robert Johansen, and Kathleen Spangler
PCC	S	p18	a	PCNET 1979 by Dave Caulkins
Per Comput	Ja	p6	e	A Computer Lies in Your Future by David Bunnell
Per Comput	Ja	p75	a	Future Computing by Dick Heiser
Per Comput	Mr	p98	a	WALDO: A National Sport by Robert Rossum
Per Comput	My	p104	a	Future Computing Games by Rick Loomis

FUTURE continued

Per Comput	My	p107	a	Comments on Future in Computing (Jan/Feb '77 Per Comput) by Richard Bemis, The Digital Group
Per. Comput.	Jy	p123	a	Future Computing: Cinema Music By the Numbers by Jean Renard
Per. Comput.	S	p107	a	Who Will Look After the Computing Part of Personal Computing? by Fred Gruenberger
Pop. Comput.	Ap	p1	a	Annual Forecast for the Coming Decade in Computing
Pop. Elec.	0	p4	e	The Future of Home Computers by Art Salsberg
ROM	Jy	p14	a	Telegrasping at Midnight 'Neath the Starry Sky by Avery Johnson
ROM	Jy	p27	a	HOME COMPUTERS, Here Today, Everywhere Tomorrow by Richard Langer
ROM	S	p98	a	Biofeedforward by Bill Etra
ROM	0	p98	a	futuROMa Playing the Percentages by Bill Etra
ROM	N	p10	a	Missionary Position: Kids, Parents, and Computers by Theodor Nelson
ROM	D	p8	a	Missionary Position: Personal Computing 1982 by Theodor Nelson

GAMES, CALCULATOR

Byte	Je	p150	a	SR-52 Card BLACKJACK by Michael Garvey, General Computer Services Corp.
Byte	S	p173	l	Blackjack Bug (SR-52 Card Blackjack, June '77 p 150) by Steve Viterwyk
Byte	Jy	p90	a	Jeu de NIM, Peut Etre? (SR52 Register control program and NIM Game) by Alain Chance
Byte	S	p172	l	The rest of the listing for Jeu De NIM (July '77 Byte)
Calc. Comp.	My	p42	a	HURKLE SR52 by Mac Oglesby
Calc. Comp.	My	p42	a	HIL0 SR52 by Mac Oglesby
Calc. Comp.	0	p91	l	Calc Comp May '77 p46 HIL0
Calc. Comp.	0	p5	a	FROGS (SR-52) by Mac Oglesby
Calc. Comp.	0	p38	a	A Calculator Crossword Puzzle by Alice Oglesby
Calc. Comp.	0	p89	a	Triple Nine
Cr. Comput	Ja	p82	m	Calculator Teasers (Answers Appear Upside Down) by Maybe an HP67 or Could Have been a SR-52
Cr. Comput.	S	p126	a	4 Games for 4 Function Calculators: Triple Nine, Who's Closer, NIM, +/- by Sivasailam Thiagarajan
Kilobaud	F	p70	a	Submarine!...a Game for the SR-52 by Peter Stark
Kilobaud	Jy	p15	l	Modification for: Submarine Speed, Feb-'77 by Scott Lee
Kilobaud	Je	p44	a	Torpedoes Away!...Submarine Game for the SR-52 by Charles Hanson
Kilobaud	N	p102	a	Son of Submarine Game...an alternative to chess? (SR52) by John Smith and Edwin Marzano
Pop. Elec.	Je	p40	a	Battle The Dive Bomber HP 25
Pop. Elec.	Je	p41	a	Football HP25
Pop. Elec.	Je	p42	a	Blackjack HP25
Pop. Elec.	Je	p43	a	Space Flight HP25
Pop. Elec.	Je	p45	a	Biorhythm Forecast
Pop. Elec.	Je	p46	a	Test Your ESP HP25

GAMES, COMPUTER

Byte	Ja	p56	a	Black Friday by Robert Baker
Byte	Ja	p78	a	Computer Models for Board Games by Russell Yost Jr
Byte	Mr	p106	a	Flights of Fancy with the Enterprise (Star Trek) by David Price
Byte	Ag	p11	l	Bug Report on "Flights of Fancy" March '77 Byte by John Stafford
Byte	Ap	p8	a	KIM Goes to the Moon (Lunar Lander) by Jim Butterfield
Byte	Ap	p90	b	101 BASIC Computer Games by David Ahl, ed.
Byte	Ag	p44	a	Here's APL in Action! (Lunar Lander game) by David Keefe
Byte	0	p60	a	Othello, a New Ancient Game by Richard Duda
Byte	0	p86	a	How to Implement Space War (or Using Your Oscilloscope as a Telescope) by Dave Druglinski
Byte	0	p160	b	Chess Skill in Man and Machine by Peter Frey
Byte	0	p168	a	Mastermind by W Lloyd Milligan
Byte	N	p18	a	Simulation of Motion: Part 1: An Improved Lunar Lander Algorithm by Stephen Smith
Byte	N	p172	a	NIMBLE: The Ultimate NIM? by Irwin Doliner
Byte	D	p12	a	The Computers of Star Trek by Kurt Schmucker and Robert M Tarr
Byte	D	p148	a	A Number Guessing Game by Keith Laudenslager
Byte	D	p168	a	DIDDLE by Stan Skoglund
Calc. Comp.	My	p11	a	Playing Games at the Center by Joanne Verplank
Calc. Comp.	My	p39	a	STATES
Calc. Comp.	My	p49	a	Games Computers Play by Bob Albrecht
Calc. Comp.	My	p60	a	Machine Match-Up
Calc. Comp.	0	p34	a	UPS by Mac Oglesby

GAMES, COMPUTER continued

- Calc. Comp. O p93 1 MILLIWORM by Linda Schreiber
 Calc. Comp. O p94 1 Guess My Fraction! by Linda Schreiber
 Calc. Comp. N p5 a Apple, Lemon, Plants; Learning Economics with Computer Games
 by Joanne Koltnow Verplank
 Calc. Comp. N p24 a ESREVER ELBUOD DOUBLE REVERSE by Peter Sessions
 Calc. Comp. N p38 a Donuts for Kids by Ron Santore
 Calc. Comp. N p81 a Games Can Be Educational by Don Inman
 Calc. Comp. N p84 a Square by Mac Oglesby
 Comp. Notes Mr p7 a "HIT ME AGAIN!" Play Blackjack with a Computer
 Comp. Notes My p8 a End Programming Humdrum with YAHTZEE by Jim Gerow
 Comp. Notes Ag p12 a Childhood Wish Fulfilled with TIC-TAC-TOE by Ken Knecht
 Comp. Notes O p26 b Game Playing With BASIC by Donald Spencer
 Comp. Notes N p16 a Destroying Klingons Can Bring Music to Your Ears by Thomas Schneider
 Comp. Notes N p23 a Computer Evaluates Human Logic; A Generalized Version of 'Master Mind'
 by Doyl Watson
 Cr. Comput Ja p74 a Learning by Doing by Fred Gruenberger
 Cr. Comput Ja p79 a Find the Presidents & Vice-Presidents of the United States
 Cr. Comput Ja p80 a Train Your Computer to be a Go-Moku Champion by Lawrence J. Mazleck
 Cr. Comput Ja p81 m Puzzles and Problems for Fun, Thinkers Corner, Calenders
 by ?,Layman Allen,D. Van Tassel,(respectively)
 Cr. Comput Ja p82 a A General Solution To Magic Stars (Cr.Comp. Sept'76 p72) by Edward Woolums
 Cr. Comput Ja p83 a DRAG
 Cr. Comput Ja p84 a Masterbagels by H R Hamilton
 Cr. Comput Ja p86 a Daytona 500 by Geoffrey Churchill
 Cr. Comput Ja p88 a Strike 9 by Bruce Grembowski
 Cr. Comput Mr p107 m Puzzles and Problems for Fun by ...
 Cr. Comput. Mr p110 a A Musical Number Guessing Game by Kurt Inman
 Cr. Comput. Mr p117 a DODGEM by Mac Oglesby
 Cr. Comput. Mr p122 a Pasart by Charles Lund
 Cr. Comput. Mr p124 a Bible Quiz by Steve Wentworth
 Cr. Comput. Mr p126 a FLIP by John James
 Cr. Comput. My p66 m Bust Your Compiler by Dennie Van Tassel
 Cr. Comput. My p110 a Twonky by Mark Capella
 Cr. Comput. My p113 a Swarms by Rand Miller
 Cr. Comput. My p120 a Euchre by Victor Raybaud
 Cr. Comput. Jy p43 a Two Space Games (With Graphics!) For Your Home Computer by Steve North
 Cr. Comput. Jy p100 a Psychoanalysis (?) by Computer...ELIZA by Steve North
 Cr. Comput. Jy p132 a Backgammon by Chuck Snow
 Cr. Comput. Jy p135 a Bocce by Victor Bendall
 Cr. Comput. Jy p141 a UFO by Raymond Kernay
 Cr. Comput. S p138 a Rotate by David Ahl
 Cr. Comput. S p140 a NOMAD I. by Steve Trapp
 Cr. Comput. N p34 a Smart Electronic Games (Overview of Games)
 Cr. Comput. N p36 a Profile of a Smart Electronic Game...COMP IV by Stephen Gray
 Cr. Comput. N p38 a A Multi-Level Computer-Oriented Board Game by Alan B. Salisbury
 Cr. Comput. N p54 a How Late Can You Sleep In The Morning? by David Ahl
 Cr. Comput. N p109 a New Life for NIM! by B M Rothbart
 Cr. Comput. N p136 a Mastermind II by Steve North
 Cr. Comput. N p140 a Othello by Ed Wright
 Dr. Dobbs F p24 1 ZAP the Moon Man...Converted to 12K BASIC by Dan Elliott
 Dr. Dobbs My p10 a Video Chase for 8080/VDM by Joseph Sanger
 Dr. Dobbs Je p30 1 CORRECTION FOR ABOVE: Impatient Robots added to "Chase" (DDJ May '77)
 by Andrew Recupero
 Dr. Dobbs Je p12 a A Story of Traffic Lights,or: A BASIC-Program to Play the Game of LIFE
 by R Broucke
 Dr. Dobbs Je p28 1 A 'TURTLE' for a VDM by Marvin Winzenread
 Dr. Dobbs Ag p26 1 Real Time Modification for Sanger's Video Chase (May '77 DDJ)
 by David Morgan, Univ of Texas at Dallas
 Dr. Dobbs Ag p27 1 Video Chase Conversion for a POLY VTI by Paul Holliday
 Dr. Dobbs O p20 1 Chasing 'CHASE' Bug (DDJ May '77) by Phil Karn
 Elec. Des. Jy19 p102 a An Electronic Dice Game Built With Only Analog Circuits by Leonard Smithline
 Elec. Des. D 6 p84 a Microprocessor-based video games have it all over fixed logic
 by Kam Li & Alex Goldberger, Signetics
 Interf. Age Ap p109 a Shooting Stars by H. DeMonstoy
 Interf. Age My p132 a Apple Star-Trek by Robert Bishop
 Interf. Age My p135 a John Conway's Game of Life by Alan Miller
 Interf. Age Je p131 a "Star Lanes" A Non-Programmer Writes a Computer Game by Steven Faber
 Interf. Age O p8 1 CORRECTION FOR ABOVE Star Lanes June '77 Interface Age by Charles Plantz

GAMES, COMPUTER continued

Interf. Age	Jy	p170	a	BOWL by Bud Shamburger
Interf. Age	Ag	p170	a	TIC TAC by Bud Shamburger
Interf. Age	Ag	p171	a	Crazy Ball - EMCB by Elliott Myron
Interf. Age	0	p94	a	Star Ship Simulation Part III by Roger Garrett
Interf. Age	0	p156	a	Assembly Language Structured Programming--Stars by Ed Keith
Interf. Age	0	p164	a	Video CHASE For 8080/VDM by Joseph Jay Sanger
Interf. Age	N	p166	a	Blockade by Kenneth Berkun
Interf. Age	D	p136	a	SC/MP Word Game--Word G by Sou Nam Kim
Interf. Age	D	p159	a	Injun Poker by Kenneth Kolbly
Interf. Age	D	p164	a	Piranha by Jeb and Elizabeth Long
Kilobaud	Ja	p130	a	Six Games on a Chip...TV Tournament Time by Alan Dorman
Kilobaud	F	p40	a	Beware the Wumpus by Joe Kasser
Kilobaud	F	p48	a	Chase ! by Herman DeMonstoy
Kilobaud	F	p88	a	At the Races by Herman DeMonstoy
Kilobaud	Mr	p84	a	How to Win \$25,000 of Your Own Money ... Keno Game Program by Gordon Flemming
Kilobaud	Ap	p88	a	HI-LO...Impress Your Firends When They Visit by Jim Huffman, Hufco
Kilobaud	Ap	p112	a	Hangmath! ...a new puzzle/game by Phil Feldman, Tom Rugg
Kilobaud	My	p98	a	Adding "PLOP" to Your System...a Noisemaker for Computer Games by Don Parks
Kilobaud	My	p100	a	Lunar Lander by Jim Huffman, Hufco
Kilobaud	Je	p34	a	Artillery Practice..A Program Eliminates White Sand! by Herman DeMonstoy
Kilobaud	Jy	p44	a	The Random Number Game by Herman DeMonstoy
Kilobaud	Ag	p40	a	Sobriety Tester Program..logic conquers Demon Rum!! by Al Gerbens
Kilobaud	Ag	p46	a	Random Integer Program...for games, sorting, or statistics by Philip Tubb
Kilobaud	Ag	p82	a	Time Bomb Game...Steady nerves are required by Dave Culbertson
Kilobaud	S	p100	a	Baseball in BASIC...new twist for an old game by Irwin Doliner
Kilobaud	S	p108	a	Klingon Capture Game...bring 'em back alive! by Mickey Ferguson
Kilobaud	0	p9	b	Chess and Computers by David Levy
Kilobaud	D	p100	a	Crash Landing!...a real time Lunar Lander Game by Mark Borgerson
PCC	Ja	p17	a	REVERSE> <ESREVER by Peter Sessions
PCC	Ja	p18	a	Games for You to Program: How REVERSE was Done by the Dragon
PCC	Ja	p26	a	MASTERMIND-A Game of Logic by Jesse Heines & Gay Rosser
PCC	Ja	p31	a	The Don Quixote Starship
PCC	Mr	p26	a	Don Quixote Starship by Doug Seeley
PCC	Mr	p28	a	7 X 9 = 56....Right? by Jack Inman
PCC	Mr	p29	a	Tiny Basic Math Drill by Don Russel
PCC	Mr	p34	a	Games for You to Program by the Dragon
PCC	Mr	p36	a	Mine 8 by Doug Felt
PCC	Mr	p37	a	Simulations The World of SELLING by MECC Publications
PCC	Mr	p37	a	Native American Board Games by reprint from GAMESEMAG
PCC	Mr	p38	a	ZOT by Marc LeBrun
PCC	My	p18	a	Don Quixote Starship Presents: SPACE COLONY; Living in a Garden of illus by Marjorie Stuart, Don Wood illustructor
PCC	My	p25	b	Mathematical Carnival by Martin Gardner
PCC	My	p30	a	A Simulated Stock Exchange by Ed Pearsons, Miklos Vasarhelyi
PCC	My	p48	a	Exagon by Mac Oglesby
PCC	Jy	p24	a	Capture by Mac Oglesby
PCC	Jy	p34	a	Inverse-Reverse by Carl Main
PCC	S	p35	a	The Bead Game by Jon Stedman
PCC	S	p44	a	Sandpile by Mac Oglesby
PCC	N	p48	a	Survivor by Mac Oglesby
Per Comput	Ja	p78	a	Story
Per Comput	Ja	p80	a	Hamurabi
Per Comput	Mr	p54	a	Bearing in on Backgammon by Nels Winkless III
Per Comput	Mr	p126	a	A Startrek Walkthrough by Steve Pollini
Per Comput	My	p92	a	A Chess Piece by David Galef
Per Comput	My	p104	a	Future Computing Games by Rick Loomis
Per Comput	My	p124	a	Top-Down Design of Computer Games by Scott Guthery
Per. Comput.	S	p43	a	CHESSE From an information storage angle by Will Overington
Per. Comput.	S	p45	a	Playing Against the Computer:Bridg-it, Black Sheep, Initials by David Galef
Per. Comput.	S	p51	a	Expanding Your Galaxy (Star Trek Mod) by Grady Ward
Per. Comput.	S	p92	a	Holiday Inn
Per. Comput.	S	p121	a	Petals Around the Rose
Per. Comput.	N	p85	a	Getting into Games (Video)
Per. Comput.	N	p91	a	A Stone-Age Lunar Lander by Paul Jessop
Pop. Comput.	Ja	p1	a	Are Toy Problems Useful ? by Donald Knuth, Stanford Univ.
Pop. Comput.	0	p6	a	Oware
ROM	Ag	p58	a	Computer Power & Where it Comes From by Joseph Weizenbaum
ROM	0	p27	a	Home Computers The Products America May Never Know It Needs (Video Game) by Martin Himmelfarb

GAMES, COMPUTER continued

ROM	D	p34	a	Slot Machine by Tom Digate
SCCS Interf.	Ja	p18	b	The 1975 Computer Chess Championship by David Levy
SCCS Interf.	Ja	p34	a	Back Gammon by Karen Wolf, Phil Feldman
SCCS Interf.	F	p24	a	A Chess-Playing Computer Program by Randy Miller
SCCS Interf.	F	p30	A	Backgammon, Anyone? by Phil Feldman, Tom Rugg
SCCS Interf.	F	p41	a	Games and Things, Mandala by Tom Rugg, Phil Feldman
SCCS Interf.	F	p44	a	Tiniest Trek by Frank McCoy
SCCS Interf.	F	p46	b	What To Do After You Hit Return by Peoples Computer Co. & Hewlett Packard
SCCS Interf.	Jy	p35	a	A Metric Tutor by Phil Feldman and Tom Rugg
SCCS Interf.	Ag	p50	a	Games and things (List of Books on Games) by Phil Feldman and Tom Rugg
SCCS Interf.	S	p39	a	Games and Things...Great Moments in Pi by Phil Feldman and Tom Rugg

GENERAL INTEREST

Byte	Ja	p4	e	The Appliance Computer by Carl Helmers
Byte	F	p4	e	Personal Computing: An Idea Whose Time has Come! by Portia Isaacson, PhD
Byte	F	p114	b	The Compleat Computer by Dennie Van Tassel
Byte	My	p6	e	Surveying the Field by Carl Helmers
Byte	My	p17	a	A Catalog of Liberating Home Computer Concepts by Ted M. Lau
Byte	Jy	p150	m	Technical Forum: Is This a Valid Hot Board Placement Procedure?
Byte	Ag	p5	e	Comments on the Acquisition of Knowledge by Carl Helmers
Byte	S	p10	l	An Important Warning About the Element Mercury and its Compounds by Peter Zavon
• Byte	N	p163	l	An Opinion: Software and Patentability, 1977 by Daniel Mersich, Attorney
Byte	N	p170	a	Comments on Live Board Removal and Insertion by SA Strough
Byte	D	p12	a	The Computers of Star Trek by Kurt Schmucker and Robert M Tarr
Calc. Comp.	O	p4	e	Food for Thought: Uses of the Calculator and the Computer for Elders by Bruce Hicks
Comp. Notes	Ja	p14	a	Albuquerque Becoming Personal Computing Center by Nels Winkless
Cr. Comput	Ja	p38	a	Computer Sex? What Next? (Computers in Movies) by Robert James Fischer
Cr. Comput.	Ja	p42	a	EFTS: Living is Better Electronically Or IS IT? by Deanna Dragunas
Cr. Comput.	Ja	p58	a	Catastrophe Theory--A Framework for Analyzing Discontinuous Events
Cr. Comput	Ja	p66	a	A Tragedy of Errors by Susan Hastings
Cr. Comput	Ja	p67	a	Computational Unsolavability by Lynn Arthur Steen
Cr. Comput.	Ja	p96	b	Computer Careers--Planning Prerequisites, Potential by John Maniotes, James Quasney
Cr. Comput	Mr	p106	b	Computer Careers, Planning, Prerequisites, Potential by John Maniotes, James Quasney
Cr, Comput.	My	p48	a	Still a Few Bugs in the System (several short articles)
Cr. Comput.	Jy	p30	a	Medical Computerized Data Bases by Susan Hastings
Cr. Comput.	Jy	p30	m	The Placebo and the Computer-Unexpected Antagonists
Cr. Comput.	Jy	p56	a	Computers in Research by Carl Hammer, PhD.
Cr. Comput.	S	p122	a	Brown Scientist Peer Into 4th Dimension by Curt Norris
Dr. Dobbs	Je	p5	a	Wayne Watch: A New DDJ Featurette for the Naive Novice by Jim Warren, Jr.
Dr. Dobbs	Je	p61	a	Electronic Funds Transfer: Sidelights and Spotlights
EDN	Ag5	p18	a	Skilled Special Effects Team....are Real Stars of "Star Wars" by Martin Marshall
EDN	N 5	p54	a	Special Report Consumer Product IC's
IEEE Comp.	Jy	p71	a	Personal Computing Dissected (There's a Piece for Everyone) by Portia Isaacson
Interf. Age	S	p100	a	Card of the Month: CANADA Systems PC2300 AC Power Control Board by Roger Edelson
Interf. Age	N	p150	b	I'm Madly in Love with Elect. and Comments by Women in Science & Engr. by Nancy Kreinberg
Interf. Age	N	p150	b	Computers, Computers, Computers in Fiction and in Verse by Dennie VanTassel
Kilobaud	Ja	p11	b	The Compleat Computer by Dennie Van Tassel
• Kilobaud	Ja	p11	b	Writing at Work: DOs, DON'Ts, and HOW TOs by Ernst Jacobi
Kilobaud	F	p116	a	How to WIN the Surplus Game by Dennis King
Kilobaud	Ap	p6	b	Computers in Society: The Wheres, Whys and Hows of Computer Use by Donald Spencer
Kilobaud	D	p88	a	Tempus Fugit by Steve Johnson
PCC	Ja	p23	a	What is a Computer? by Jim Day
PCC	Ja	p40	a	People's Satellites
PCC	Ja	p41	a	PCC Interviews Ted Nelson by Ted Nelson and somebody
PCC	My	p11	a	Women & Computers: A Dialogue by several
• PCC	My	p54	a	Computers and Copyright Law by Phyllis Cole
PCC	Jy	p48	a	More on Women and Computers by Annette Ran, Jef Raskin
PCC	N	p26	a	There Ain't No User Science by Jacques Vallee
PCC	N	p34	a	If 'Small is Beautiful' is Micro Marvelous? by Andrew Clement

GENERAL INTEREST continued

Per Comput	Ja	p21	a	Ten Easy Steps to Becoming a Computer Hobbyist by Henry Gilroy
Per Comput	Ja	p50	a	Computer Abuse by Donn Parker
Per Comput	Mr	p19	a	Computers and the News by Jules Bergman, ABC Science Editor
Per Comput	My	p17	a	Computers, Privacy and the Law by Barry Gooldwater Jr., Congressman
Per Comput	My	p23	a	Wisdom from the Professionals
Per Comput	My	p44	a	When is a computer not a computer? When it's Contraband by Henry Gilroy
Per Comput	N	p35	a	Some Comments on Randomness by David Galef
Per. Comput.	N	p83	a	Toys or Tools by Jake Roamer
Per. Comput.	N	p102	a	More Personality for your computer by Alfred Liquors
Pop. Comput.	Mr	p7	a	Cycle Stealing
Pop. Comput.	Je	p3	a	Think Before You Cross San Pasqual by John Todd
Pop. Comput.	D	p3	a	How to Produce Garbage
Pop. Elec.	D	p118	a	Computer Bits: Potpourri from Here and There by Leslie Solomon
ROM	Jy	p10	a	Missionary Position: The Myth--Computers are Oppressive by Ted Nelson
ROM	Jy	p12	a	The Human Factor by Andrew Singer
ROM	Jy	p66	a	TOOLS by Joseph Weizenbaum
ROM	Ag	p95	a	The Brain Robbers by Hesh Wiener
ROM	O	p10	a	Access Structure and Life by Theodor Nelson
ROM	N	p42	a	Chipmaker, Chipmaker, How Does Your Crystal Grow? by Sandra Faye
SCCS Interf.	Ja	p26	a	Here Comes PCC to MITS
SCCS Interf.	F	p46	b	Computer Clippings by Stephen Rogowski
73	Je	p148	a	Digital Bargain Hunting -- Tips on Surplus Computer Goodies by Louis Macknik
73	Jy	p170	a	Interest in Mail Order? -- an insight into facts and myths by Craig Anderson
73	S	p152	a	How to Buy Surplus Parts -- pick a good supplier by Gary McClellan

GRAPHICS

Byte	Ag	p70	a	Serendipitous Circles by D John Anderson, & William Galway
Byte	Ag	p104	b	Mathematical Elements for Computer Graphics by David Rogers & J Alan Adams
Byte	O	p23	a	About the Cover...and Some More of the Same (graphic drawings)
Byte	O	p86	a	How to Implement Space War (or Using Your Oscilloscope as a Telescope) by Dave Druglinski
Byte	D	p146	b	Principles of Interactive Computer Graphics by William Newman and Robert Sproull
Comp. Notes	Je	p8	a	Graphics Display Adds Versatility to Altair System by Dave Antreasian
Cr. Comput.	Ja	p96	b	Computer Graphics: 118 Computer-Generated Designs by Melvin Prueitt
Cr. Comput.	Jy	p43	a	Two Space Games (With Graphics!) For Your Home Computer by Steve North
Cr. Comput.	Jy	p137	a	Anamorphic Art by Andy Zucker
Cr. Comput.	S	p61	a	Art & Mathematical Structures, Flips and Spins by R. Chandhok and M. Critchfield
Cr. Comput.	S	p123	a	Computer Correction of Optical Illusions by David Smith
Cr. Comput.	S	p132	a	LISSAJOUS by Larry Ruane
Cr. Comput.	N	p96	a	Aesthetic Preferences for Pseudo Random Computer Generated Patterns by A. Michael Noll
Dig. Design	Jy	p46	a	Graphic Display Systems; Adding Dimension to Computer I/O by Sharon Pellerin
Dr. Dobbs	Mr	p12	a	Graphics on the Poly 88 by Harvey Cohen
Dr. Dobbs	Ap	p32	l	Modification of a SWTP GT6144 for use with a 6500 or 6800 system by Stan Ockers
Dr. Dobbs	Je	p17	a	Curve Plotting on a TV Screen with the Polymorphics Video Interf.&Basic by R Broucke
Dr. Dobbs	Je	p19	a	6800 Circle Maker by David Hudson
Dr. Dobbs	Je	p28	l	A 'TURTLE' for a VDM by Marvin Winzenread
Dr. Dobbs	O	p21	a	GRAFX: A Graphics Monitor for the 8080/TV Dazzler by Jonathon Mills
Dr. Dobbs	O	p28	a	Alphanumeric Plotter for Poly Video Display by Arthur Armstrong
Dr. Dobbs	N	p6	l	New Voice Synthesis & Graphics Products at the Mini/Miro Show by Kenneth Young
Elec. Des.	F 15	p138	m	Trace Symbols on CRT Screen without Access to the Z-Axis by Marco Barnig
Elec. Des.	S 13	p68	a	Mate Microprocessor with CRT Displays by Branko Matic and Lorne Trottier, Matrox
Interf. Age	Mr	p104	a	Card of the Month: Cromenco TV Dazzler by Roger Edelson
Interf. Age	Mr	p132	a	Graphics--The Easy Way (Poly Morphic Sys. Terminal Interface Bd.) by Marvin Mallon
Kilobaud	Ap	p130	a	Computerized Babysitter...Graphic Display for Kids (and Parents) by Alfred Baker
Kilobaud	Jy	p34	a	Computer Turns Director...an interview with John Whitney by Sheila Clarke
Kilobaud	O	p50	a	3D Computer Graphics by Bruce Artwick, Sublogic
Kilobaud	N	p19	b	Mathematical Elements for Computer Graphics by David Rogers and J Alan Adams
PCC	My	p16	a	The DOT and the LINE by Debbie Slack Hughes, Phyllis Cole

GRAPHICS continued

PCC	N	p52	a	Teaching Math with Graphics by Harvey Cohen with David Green
Per Comput	Ja	p41	a	Magic as the Midas Touch by Henry Gilroy
Per Comput	Ja	p45	a	Computer Graphics Tough for Amateurs
Per Comput	Ja	p92	a	The Equalizer
ROM	S	p46	a	Xeroxes & Other Hard Copy Off Your CRT by Bill Etra
ROM	D	p85	a	Micro, Micro on the Wall, How Will I Look When I am Tall? by Stuart Dambrot

HISTORY

Byte	F	p144	1	The Word "BYTE" Comes of Age... by W Buchholz
Cr. Comput	Ja	p48	a	The Computer Tree by Management Information Corp.
Cr. Comput.	N	p62	a	Computer History Trivia Quiz by Edward Pasahow
Interf. Age	Mr	p24	a	Reflections on the Past and Thoughts About the Future of Semicond. Tech. by Dr. C. Lester Hogan
Interf. Age	Mr	p100	b	The Compleat Computer by Dennie VanTassel
Kilobaud	Ja	p11	b	A Computer Perspective, (The office of) Charles and Ray Eames (Photos)
Per Comput	Ja	p36	a	An Informal History of The Hobby Computer Market by Alan R. Kaplan, Venture Development Corp
Per Comput	My	p40	a	I Remember BESSIE by Henry Brainerd
Per. Comput.	S	p12	a	Ada Byron, The Romantic Computer Programmer by Terrence McLaughlin
Per. Comput.	N	p57	a	Ed Roberts Talks about starting an industry
ROM	Jy	p66	a	TOOLS by Joseph Weizenbaum
SCCS Interf.	S	p22	a	The Computer Tree

HOBBY (PERSONAL COMPUTING)

Byte	My	p6	e	Surveying the Field by Carl Helmers
Byte	My	p17	a	A Catalog of Liberating Home Computer Concepts by Ted M. Lau
Byte	S	p6	e	Reflections on Entry into Our Third Year by Carl Helmers
Cr. Comput	Mr	p60	m	Them Hobbyists (poem) by Jim Dunion
Cr. Comput.	Jy	p6	e	Applications of microcomputers by Stephen Gray
EDN	My20	p33	m	Home Computer Market will Grow at a Steady Annual Rate Through 1981 by T O
Elec. Des.	S 13	p36	a	Home Computers; from a bag of parts to a system you simply plug in
Electronics	Mr31	p89	a	Person Computers Mean Business by Lawrence Curran
Electronics	Jy7	p70	a	Europeans Discover the Old Kit Bag (Personal Computer Shops in Europe) by Arthur Erikson
IEEE Comp.	Mr	p9	e	Small Scale Computing by Dennis Allison
IEEE Comp.	Mr	p10	a	Personal and Hobby Computing: An Overview by Jim Warren
IEEE Comp.	Jy	p71	a	Personal Computing Dissected (There's a Piece for Everyone) by Portia Isaacson
Kilobaud	F	p6	a	Around the Industry, The Hobby Computer Field
Kilobaud	My	p132	a	A Home Computer Pioneer...Profile of Don Tarbell by Sheila Clarke, Cyber Grafix
Kilobaud	Je	p136	a	My Friend is a Computer Junkie by Sheila Clarke
Per. Comput.	Jy	p43	a	Tax Aspects of Personal Computing or When is a Hobby Not a Hobby? by Kenneth Wideltz
Per. Comput.	S	p107	a	Who Will Look After the Computing Part of Personal Computing? by Fred Gruenberger
ROM	Jy	p27	a	HOME COMPUTERS, Here Today, Everywhere Tomorrow by Richard Langer
ROM	Ag	p14	a	Legal ROMifications: Hobby or Business? by Peter Feilbogen
ROM	Ag	p40	a	Your Computer or Your WIFE? by Susan Gilpatrick
73	S	p152	a	How to Buy Surplus Parts -- pick a good supplier by Gary McClellan

HOME

Interf. Age	D	p30	a	Home, Mother and the Microcomputer by Linda Folkard-Stengel
Interf. Age	D	p32	a	The Computer As A Household Appliance by Dian Crayne
Interf. Age	D	p40	a	Household Finance System I by Francis Ascolillo
Interf. Age	D	p48	a	Household Finance System II by Francis Ascolillo
Interf. Age	D	p56	a	Personal Accounts Payable Program by Kevin Redden
Interf. Age	D	p64	a	Aquarium Maintenance by Timothy O'Shaughnessy
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- SCCS Interf. Jy p11 a Memory Addition for the MITS 680 by Frank McCoy
- 73 Ja p90 a Short on Memory? -- Build this 2K Board for Your 6800 by John Molnar
- 73 Ja p104 a It Works! The First Time! -- The Seals Electronics Memory Board by Robert R
- " TEST
- Byte Jy p72 a How to Pick up a Dropped Bit by W Douglas Maurer, George Wash Univ
- Digital Des. Je p69 a Magnetic Bubble Memory Testing
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- Dr. Dobbs Ag p23 a A High Speed Memory Test Program for the 6502 by Jim Butterfield
- Elec. Des. Ag16 p72 a Model RAMs Automatically by James Hanratty
- Elec. Des. S 13 p86 a When Testing 16k Dynamic RAMS, Keep your eye on temp & hand on pattern
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- Interf. Age Ap p103 l Correction for Memory test Program Interface Age Dec. '76 by Gary Young
- Interf. Age Jy p157 a A Better 6800 Memory Test-MEMTEST by Ed Keith
- Kilobaud O p58 a Memory Troubleshooting Techniques..take a bit for a walk by Charles Cook
- CCS Interf. S p32 a A Comprehensive Memory Test for the 8080 by Frank McCoy
- " TAPE
- Byte Ja p34 a Saturation Recording's Not all that Hard by David Allen, Consultant
- Byte F p24 a The Digital Cassette Subsystem: Part I Recording Background & Head Elec.
by Ira Rampil, Jack Breimeir
- Byte F p50 a Serial Storage Media: An Introduction and Glossary by Brian Murphy
- Byte F p82 a The Impossible Dream Cassette Interface
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- Byte F p102 a Product Description: RO-CHE Systems Multi Cassette Controller
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- Byte Mr p26 a Cassettes Transports for the "Roll Your Own" Hobbyist by William Freeman
- Byte Mr p38 a Digital Cassette Subsystem: Digital Data Format & Systems Considerations
by Jack Breimier, Ira Rampil
- Byte Ap p40 a A Software Controlled 1200 bps Audio Tape Interface by Carl Helmers
- Byte Je p76 a Come Fly With KIM (Paper Tape Reader for Use with KIM)
by Rick Simpson, MOS Technology
- Byte Jy p72 a How to Pick up a Dropped Bit by W Douglas Maurer, George Wash Univ
- Byte Jy p158 l Repairring Torn Paper Tapes by Richard Hetherington
- Comp. Notes Mr p14 a Altair Audio Cassette Recorder Card Operation Easy to Learn by Rich Haber
- Comp. Notes Ap p15 a Audio Cassette Recorder Alignment aids in Troubleshooting (Altair)
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- Comp. Notes My p1 a Troubleshoot and Modify Your Altair 88-Audio Cassette Recorder by Rich Haber
- Comp. Notes O p4 a Altair Kansas City Audio Cassette Recorder Resequencer Revisited
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- Cr. Comput Mr p40 a Tarbell Cassette Interface (review)
- Digital Des. Je p20 a Matching Magnetic Media With Modern Machines by Bob Katzive
- Digital Des. Je p38 a Digital Recording in Low Cost Transports by Clark Johnson
- Digital Des. Je p50 a Cassette, Cartridge and Diskette Drives by George King
- Dig. Design S p30 m Data Reliability: Cartridges Compete With Floppys
- Dig. Design D p58 a 1977 in Review Cartridge and Cassette Drives

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Elec. Des.	Je7	p120	a	Interface Circuit Teams Cassette Recorder with CRT works likepaper tape by Ban Bong
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Elec. Des.	N 22	p148	a	Improve Your Digital Recorder with a latch that catches unexpected pulse by Raphael Pessio
Electronics	D 8	p100	a	Frequency Modulator Extends Tape Recorder's IF Response by W B Warren and W L Lively
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Interf. Age	Ap	p58	a	Card of the Month; The OP-80A Paper Tape Reader (Oliver Audio Engr.) by Roger Edelson
Interf. Age	Ap	p117	a	Proposed Cassette Data Storage Format Standard by Lorin Mohler
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Interf. Age	D	p151	a	Punch and Read Intel Formatted Tape by G.M. Sanderson
Kilobaud	F	p13	a	The Basic Forum; Data To & From Tape by Dick Whipple, John Arnold
Kilobaud	Mr	p34	a	The Paper Taper Caper ... Build Your Own Tape Reader by Dr. Doug Hogg
Kilobaud	Mr	p98	a	External Mass Storage...Part 2: Digital and Audio Cassette Systems by Art Childs, Sheila Clarke
Kilobaud	Mr	p116	a	The Gory Details of Cassette Storage by Peter Boyle
Kilobaud	Ap	p44	a	Meet the Tarbell/KC Interface by Don Tarbell, Tarbell Electronics
Kilobaud	Je	p76	a	A Clean Cassette..Getting the Most From Inexpensive Recorders by Lorin Mohler
Kilobaud	Jy	p49	a	Cassette Interface First Aid...use your processor to set timing by Denis Bourdeau
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Kilobaud	D	p86	a	Paper Tape: It's Here to Stay...a look a the OP-80A by Gordon Flemming
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Per. Comput.	S	p124	a	Professional Tips on Cassette Handling
Pop. Elec.	Jy	p56	a	Tape Recorder Hygiene by Craig Stark
Pop. Elec.	N	p47	a	Selecting the Best Cassette Tape For Your Recording Needs (Audio Slant) by Craig Stark
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EDN	D 15	p130	a	Product Showcase: Computers and Peripherals
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Electronics	Jy7	p113	a	MOS Processor Picks Up Speed with Bipolar Multipliers by Douglas Geist, Motorola
Elem Elec	N	p79	a	Computer Readout: The DATAC 1000T Computer Board by Norman Meyers
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Kilobaud	Ja	p62	a	Computer Control of the World, Turning AC Powered Devices on/off with uC by Chris Bowick
Kilobaud	Ja	p68	a	The Hobbyist's Operating System...Part 1 Intro and Master Plan by Dick Wilcox
Mini Micro	Ap	p48	a	Long Live the 4-Bit Micro by Ben Franklin, Intel
Mini Micro	Jy	p30	a	Single Board Computers by Carol Ogdin
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Per. Comput.	Ja	p11	b	Hobby Computers are Here by Wayne Green, ed.
Per. Comput.	Mr	p31	a	Big Computer, Little Computer by Jeff Raskin
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Byte	N	p80	a	Building a Computer from Scratch by Hilary D Jones
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Calc. Comp.	N	p75	a	How Many Digits Do You Want?...on your calculator or computer... by Douglas Scott
Comp. Notes	Ag	p10	a	Machines Have Languages? by Ken Knecht
Comp. Notes	O	p26	b	Your Home Computer
Cr. Comput	Ja	p91	b	The Computer Revolution by Nigel Hawkes
Cr. Comput.	My	p86	a	Eeny, Meeny, Micro and More by Alan Salisbury
Cr. Comput.	My	p106	b	Computing with Mini-Computers by Fred Gruenberger
Cr. Comput.	Jy	p114	b	Introduction to Computer Data Processing by Wilson Price
Dig. Design	Jy	p22	a	Eliminating Decoders: Addressing Components in a 6800 Microcomputer by Joseph Greenfield
Dr. Dobbs	Ap	p34	a	The Black Box by Kenneth Pugh
EDN	F 20	p123	a	Sharpen Your uC Design Skills Quickly on "uSystem" Projects by Robert Cushman
EDN	Mr20	p115	a	Even Bare-Bones Development Systems Make Good Learning Tools by Robert Cushman
EDN	Ap20	p104	a	Successful uSystems Combine User Needs and uC Technology by Robert Cushman
EDN	My20	p84	a	To Get Your uC Project going, Grab at Corners of the Problem by Robert Cushman
EDN	Ag5	p56	a	Versatile Operating Systems Improve Minicomputer Efficiency by Ernst B.K. Ohrenstein
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EDN	N 20	p144	a	CPU Boards--a Matter of Bits, Buses and BASIC
Elec. Des.	Je7	p104	a	Build a uP Based Simulator and Learn Elementary Programming by W C Blanchard
Elec. Des.	O 11	p74	a	Learn Microprocessor Fundamentals by Edward Gellender
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Interf. Age	O	p127	b	Microcomputer Primer by Mitchell Waite and Michael Pardee
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Kilobaud	Ja	p54	a	Well, Your Micro's Built..Where Do You Go From Here? by Dr. Lance Leventhal, Emulative Systems
Kilobaud	F	p4	b	An Introduction to Microcomputers, Vol. I Basic Concepts by Adam Osborne & Assoc.
Kilobaud	F	p5	b	An Introduction to Microcomputers, Vol.II Some Real Products by Adam Osborne & Assoc.
Kilobaud	F	p114	a	Learning Computerese by Allan Joffe
Kilobaud	Mr	p54	a	Journey into the CPU ...the View From Within by Dr. Lance Leventhal
Kilobaud	My	p12	b	Microcomputer Primer by Michael Pardee, Mitchell Waite
Kilobaud	D	p8	b	Your Own Computer by Mitchell Waite and Michael Paradee
Kilobaud	D	p9	b	Getting Involved with Your own Computer: A Guide for Beginners by Solomon and Veit

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Mini Micro	My	p80	a	What Every MICRO Beginner Should Read ? (5 Book Reviews) by Carol Ogdin
Mini Micro	S	p42	a	Acquiring Microcomputer Skills by Carol Ogdin
Mini Micro	O	p32	a	Making the Transition to Micros by Carol Ogdin
Mini Micro	N	p32	a	Fundamentals of Microcomputer Systems--uComputer Overview
Mini Micro	N	p40	a	Fundamentals of Microcomputer Systems: Computer Architecture
Mini Micro	N	p50	a	Fundamentals of Microcomputer Systems: Microcomputer Components
Mini Micro	N	p84	a	Fundamentals of uComputer Systems: Systems Interfacing
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PCC	Ja	p10	a	The Data Handler Users Manual by Don Inman
PCC	Ja	p23	a	What is a Computer? by Jim Day
PCC	Mr	p40	b	Your Home Computer by James White
PCC	My	p4	a	Home Computing: An Introduction for Novices by James White
PCC	Jy	p48	a	More on Women and Computers by Annette Ran, Jef Raskin
Radio Elec.	Jy	p22	a	Computer Corner: Interrupts with Emphasis on Vectored Interrupts by Jonathon Titus, Peter Rony & David Larsen
ROM	Jy	p37	a	The Care and Feeding of Your Home Computer by Bill Etra
ROM	S	p60	a	How Computers Work by Joseph Weizenbaum
ROM	N	p75	a	What is a Microcomputer System? by Leslie Solomon and Stanley Veit
SCCS Interf.	Ja	p18	b	My Friend the Computer by Jean Rice
73	Ap	p43	b	An Introduction to Microcomputers Vol II, Some Real Products by Adam Osborne

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Cr. Comput.	Jy	p31	a	Selecting a Micro by Stephen B. Gray
Cr. Comput.	N	p40	a	S-100 Bus Compatible Computer Kits Reference List by Robert Elliot Purser
EDN	N 20	p104	a	uC Systems Directory
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Interf. Age	Mr	p50	a	Product Guide: Microcomputers
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Kilobaud	O	p20	a	BASIC Comparisons...revised and updated by Tom Rugg and Phil Feldman
Kilobaud	N	p98	a	Another Look at Benchmark Programs...in the eyes of the beholder by J G Letwin
Mini Micro	Jy	p30	a	Single Board Computers by Carol Ogdin
Per Comput	My	p84	a	A Simple Technique For Making The Right Computer Buy by Alfred S. Baker II
Pop. Elec.	D	p57	a	Basic Guide to Computer Buying

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Byte	Mr	p16	1	Ye Old Board Switch Manoeuvre, (fix for bit dropping) by Dr. F R Ruckdeschel, Xerox
Comp. Notes	Mr	p10	a	Simple Fix Developed for Altair 8800A Power Supply by Bruce Fowler
Comp. Notes	Je	p23	a	New Troubleshooting Techniques Defined for Altair 680b by Bruce Fowler
Comp. Notes	Jy	p11	a	Glitches Spot Altair 88-PMC Problems by Bruce Fowler, MITS
Comp. Notes	Jy	p16	m	Altair 680b Requires Phase 2 Clock Mod by Ron Scales
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Comp. Notes	N	p5	a	Z-80 CPU Increases Processing Capabilities by Susan Blumfield
Comp. Notes	N	p6	a	Use the Interrupt Vector in Single-Level Interrupt Systems by Steve Gride
Comp. Notes	N	p10	a	Trace Program Simplifies Debugging for Altair 680b by Doug Jones
Cr. Comput.	S	p92	a	A Creative Computing Equipment Comparison...A Microcomputer Tale by F R Ruckdeschel
Kilobaud	Mr	p30	a	Let's Hear It for the 680b ! ... an Easy Building Project by Anthony Curtis
Kilobaud	Mr	p102	a	Make Your 680b Smarter ... A Cheap Memory Expander by Stuart Mitchell, Phil Poole
Kilobaud	Ag	p50	a	Heavy Duty Altair Power Supply...plenty of power for peripherals by Dr. Rudolf Hirschmann
Kilobaud	O	p38	a	Beware the Altair Bus...it's not as compatible as you think! by Bill Fuller
Kilobaud	O	p102	a	Build a Universal I/O Board...for your Altair by William Walters
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SCCS Interf.	Jy	p11	a	Memory Addition for the MITS 680 by Frank McCoy
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Kilobaud	F	p34	a	The Remarkable Apple Computer by Sheila Clarke

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Byte	Mr	p114	a	Try This Computer on for Size by Steve Ciarcia
Interf. Age	Ap	p74	a	Building a Digital Group System by Donald Southwick
Kilobaud	Ja	p100	a	What's that Digital Group Really Doing? by John Craig, Kilobaud editor
Microtrek	Ja	p35	a	Buyer's Report: The Digital Group System by Steven Woodall

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Byte	Ag	p30	a	COSMAC VIP, the RCA Fun Machine by Joseph Weisbecker
Dr. Dobbs	O	p30	a	Utilities & Music on the COSMAC ELF by Edward McCormick
Dr. Dobbs	O	p34	a	Promable 1K Operating System for RCA ELF by Edward McCormick
Interf. Age	Ag	p130	a	The COSMAC Microprocessor by Brian Kapitan
Pop. Elec.	Mr	p63	a	Build the COSMAC "ELF" Part 3; How to Expand Memory and More Programs by Joseph Weisbecker
Pop. Elec.	Jy	p41	a	Build the PIXIE Graphics Display Part IV by Joseph Weisbecker

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Cr. Comput.	Jy	p36	a	Heath: Two Computers and Two Peripherals, for Openers by Stephen Gray
Dr. Dobbs	O	p10	a	The Heath H-8: Pro & Con
Dr. Dobbs	N	p9	a	Heathkit's H-8 A Consumer's View by Paul R. Poduska, PhD
Elem Elec	S	p46	a	The Heath Home Computer Systems
Interf. Age	Ag	p102	a	Benton Harbor Bus: Another Approach by Thomas Yeager, Heath
Interf. Age	O	p20	a	From the Fountainhead: Heath and Radio Shack Computers etc. by Adam Osborne
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Pop. Elec.	Ag	p89	a	Computer Bits: Heath Computers
Radio Elec.	Ag	p42	a	New Hobby Computers You Can Build From A Kit

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Cr. Comput.	S	p92	a	A Creative Computing Equipment Comparison...A Microcomputer Tale by F R Ruckdeschel
Dr. Dobbs	Mr	p7	l	IMSAI Glitch Fixer by Fred Pfafman
Kilobaud	My	p88	a	Now It's IMSAI BASIC ! by Stephen Pereira, Microcomputers Inc.
Kilobaud	O	p42	a	Put your IMSAI on the Rack!...it's not torture by Don Walters

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Byte	D	p186	a	A User's Report on the Intercept Jr. by Henry Lahore
Elem Elec	Jy	p67	a	The Intercept Jr (IM6100 uProcesor) by Norman Meyers
Kilobaud	My	p66	a	Prototyping Systems Exposed!...a Revealing Look at the Intercept Jr. by Peter Stark

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Byte	Je	p76	a	Come Fly With KIM (Paper Tape Reader for Use with KIM) by Rick Simpson, MOS Technology
Byte	Jy	p126	a	Giving KIM Some Fancy Jewels (remote display and keyboard) by Robert Grater
Byte	S	p26	a	A New Dress for KIM (A Brief Case History) by R Travis Atkins
Dr. Dobbs	Je	p25	a	KIM-1 Breakpoint Routines Plain & Fancy by Willi Kushe
Dr. Dobbs	N	p12	l	A KIM-1 Disassembler by Theodore Bridge
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Kilobaud	Je	p50	a	A TVT For Your KIM...at a Price You Won't Believe by Don Lancaster
Kilobaud	Jy	p4	a	The KIM Forum by Richard Simpson

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Kilobaud	N	p66	a	Hyper about Slow Load Times?...KIM Hypertape is an Alternative by Jim Butterfield
Kilobaud	N	p84	a	Expand Your KIM!...with Altair bus devices by John Blakenship, Devry Inst. of Technology
Kilobaud	D	p36	a	Expand your KIM!...part 2: getting to the nuts and bolts by John Blakenship
73	S	p110	a	RTTY With the KIM -- features built in display! by Wilfred Gregson II
73	O	p88	a	Try Your KIM-1 On RTTY -- CUL on your computer by Jim Overstreet
73	N	p100	a	Receive CW With A KIM -- micro-controlled of course! by Bob Shattuck and Bill Schmidt

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Byte	O	p50	a	Commodore's New PET Computer
Calc. Comp.	O	p83	a	Every Home (School) Should Have a PET by LeRoy Finkel
IEEE Comp.	O	p88	a	Here Comes the PET
Kilobaud	S	p40	a	A PET For Every Home...a look at the Commodore PET 2001 by Sheila Clarke
CC	S	p22	a	PET interview with Chuck Peddle
PCC	N	p6	a	PET News and reviews...PET Update; PET vs Radio Shack
PCC	N	p8	a	Our PET's First Steps by Phyllis Cole
Per. Comput.	S	p31	a	Chuck Peddle on The PET Computer
Per. Comput.	S	p32	a	Several peoples comments on the PET (7pages)

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Byte	N	p46	a	The TRS-80: Radio Shack's New Entry into the Personal Computer Market by Chris Morgan
Cr. Comput.	S	p94	a	Radio Shack's \$600 Home Computer by Wes Thomas
Electronics	Ag18	p43	m	Radio Shack Offers Computer System with Video Display for Only \$600
Interf. Age	S	p58	a	The Radio Shack TRS-80 Microcomputer System by Steven Leininger, Tandy
Interf. Age	O	p20	a	From the Fountainhead: Heath and Radio Shack Computers etc. by Adam Osborne
Kilobaud	O	p100	a	Radio Shack's Surprise by Sherry Smythe
PCC	N	p6	a	PET News and reviews...PET Update; PET vs Radio Shack
Pop. Elec.	O	p97	a	Computer Bits: Radio Shack Computer by Leslie Solomon

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Cr. Comput.	My	p32	a	The SOL- Simple Enough for a Six-Year Old by Steve North
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Mini Micro	Je	p48	a	Intelligent-Terminal Designers Opt for 8080 Compatible Circuitry (SOL) by Lee Felsenstein, Bob Marsh, Processor Tech.
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" SPHERE

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Kilobaud	Ag	p38	1	CORRECTION FOR: Inside Sphere July'77 p24 Kilobaud

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Elem Elec	S	p75	a	e/e Checks out the..SWTP 6800 Computer
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" TDL

Cr. Comput.	N	p46	a	TDL Xitan Equipment Profile by Steve North
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" WAVE MATE

Cr. Comput.	My	p30	a	Equipment Profile: The Wave Mate Jupiter II by Dr. Mark Boyd, St. Mary of the Plains College
Kilobaud	Mr	p78	a	The Jupiter II ... a Father's View by Dennis Brown, Pres. Wave Mate

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Dr. Dobbs	O	p15	a	Poly DOC Corrections by Richard Emerson
Interf. Age	F	p40	a	Warp Factors (A Look at the Educator II Microcomputer) by Tom Mazur, Motorola
Interf. Age	F	p110	a	AMI's EVK Series Microcomputer Prototyping Boards (6800) by Robert Stevens
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ROM	S	p80	a	Personally Yours from IBM by Eben Ostby

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| EDN | Ag20 | p58 | a | Special Report: Modular Supplies Deliver Power Where it's Needed
by Tom Ormond |
| EDN | S 5 | p117 | a | Monolithic Switching Regulators--They fit Today's Power Supply Needs
by John Spencer |
| EDN | S 5 | p177 | a | Build a Short-Circuit-Proof +12V Invertor with One IC by Ron Dow |
| EDN | N 20 | p239 | a | Voltage Monitor Protects Against Power Supply Failures by John Draut |
| EDN | D 15 | p232 | a | Product Showcase: Power Sources |

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 Ham Radio Mr p31 a 2nd Generation IC Voltage Regulators, A Survey of easy to Apply IC's
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Kilobaud	D	p60	a	ALL CAPS...should be laid to rest by Bill McLaughlin
Mini Micro	Ja	p30	a	Technology Profile; Printers and Teleprinters by Dan Bowers
Mini Micro	My	p34	a	Product Focus: A \$300 Printer That Whirls Out 2200 cps
ROM	S	p46	a	Xeroxes & Other Hard Copy Off Your CRT by Bill Etra
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Byte	Je	p9	e	The Software Dilemma by Carl Helmers
Byte	Je	p88	a	Software for the Economy Floppy Disk by Dr. Kenneth Welles , General Electric
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Byte	N	p163	l	An Opinion: Software and Patentability, 1977 by Daniel Mersich, Attorney
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Comp. Notes	Ap	p3	a	Software Tidbits by Mark Chamberlin
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● IEEE Comp.	Mr	p29	a	Preventing Software Piracy by Calvin Mooers
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Per. Comput.	N	p64	a	ready to run SOFTWARE REVIEW by Charles F Douds
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Kilobaud	Ja	p50	a	Practical Microcomputer Programming Part 1; Logical Instructions by John Molnar
Kilobaud	Ja	p78	a	Welcome to Assembly Language Programming by Mike Aronson
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Byte	Je	p88	a	Software for the Economy Floppy Disk by Dr. Kenneth Welles, General Electric
Byte	Je	p112	l	A Critique of Self Modifying Code (BARC Feb'77 p132) by Joseph Newcomer
Byte	Je	p124	l	Some Comments on MIKBUG by D Brumm, dB Engineering
Byte	Je	p140	a	A 6800 Selectric IO Printer Program by Fulvio Guzzon
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Comp. Notes	O	p2	a	Text Editor Prevents "Starvation" and Programming Hassles by Donald Fitchhorn
Comp. Notes	N	p7	a	Program Allows Disk Timesharing to Read Non-Timesharing Disks by Gale Schonfeld
Cr. Comput.	S	p26	a	A Dynamic Debugging System by Steve North
Dig. Design	My	p40	a	Speeding up Software Development, "Pseudo Assembly" language by S Panchapakesan, H Venkateswaran, S Subramanian
Dr. Dobbs	F	p30	a	An 8080 Disassembler with exquisite documentation by Ward Christensen
Dr. Dobbs	Mr	p5	l	Nifty Disassembler for SWTPC 6800 with TVT II by Robert Dembinski
Dr. Dobbs	Mr	p8	a	Tiny Linkage Editor for "Relocatable Code" on 8080's and Z-80's by Dan Shaw
Dr. Dobbs	Mr	p25	l	An 8080 Disassembler Written in MITS 3.2 BASIC by Jef Raskin
Dr. Dobbs	Mr	p30	a	M6800 Disassembler by Gordon Stallings
Dr. Dobbs	Ap	p30	a	A 650X Program Relocater by Ralph Sherman
Dr. Dobbs	Je	p25	a	KIM-1 Breakpoint Routines Plain & Fancy by Willi Kushe
Dr. Dobbs	Je	p28	l	A 'TURTLE' for a VDM by Marvin Winzenread
Dr. Dobbs	Ag	p30	a	An 8080 Tracer by John Walker
Dr. Dobbs	S	p20	a	A Microprocessor Operating System: The Kernel by Max Agoston, San Jose Univ.
Dr. Dobbs	S	p41	a	BASIC-Coded Memory Dumper by John Palmer
Dr. Dobbs	S	p44	a	WEE Improvements to MSI's FD8 Disc System by Gary Gaugler
Dr. Dobbs	O	p29	l	Modified MICROTEC Assembler System by Scott Crumpton
Dr. Dobbs	O	p30	a	Utilities & Music on the COSMAC ELF by Edward McCormick
Dr. Dobbs	O	p34	a	Promable 1K Operating System for RCA ELF by Edward McCormick
Dr. Dobbs	O	p42	l	A 6502 Scanning-Debugger by H T Gordon
Dr. Dobbs	N	p12	l	A KIM-1 Disassembler by Theodore Bridge
Dr. Dobbs	N	p15	a	MATHPAC: A Kimath Supplement by John Eaton
Dr. Dobbs	N	p21	l	Fix or Elderly Editor/Assembler (Proc Tech M-T free Editor-Assembler) by Jim Kauffman
Dr. Dobbs	N	p22	a	General Purpose Macrogenerator for the 6800 by Frits van der Wateren
Dr. Dobbs	N	p30	l	SWTPC Editor Format Update Program by Phil Hughes
Dr. Dobbs	N	p31	a	KAPIAR An 8080 Microprocessor by Steve Newberry
EDN	My5	p106	m	Small Program Insures Validity of Loaded Data by John Harrison
EDN	Ag5	p87	a	Lookup Tables Provide Quick Logarithmic Calculations by R. David Pogge
EDN	Ag20	p134	a	Microprocessor Software Programs Bit-Rate Generator by Garth Nash, Motorola
EDN	S 20	p109	a	Error-Correction Strategies Safeguard Control Software by Donlan Jones, Tom Cheek
Elec. Des.	S 1	p148	a	Emulate a 7-Segment Decoder with a Subroutine in a uP Control Program by Jon Colt
Electronics	Mr17	p110	a	Direct Microprocessor Link Loads Timeshared Programs by John Denker
Interf. Age	Ja	p88	a	Consul 1K Resident Operating System by Processor Technology
Interf. Age	F	p12	a	8080 Octal Monitor Program by Thomas Doyle

PROGRAMMING continued
" UTILITY continued

Interf. Age	F	p121	a	An 8080 Memory Object Code Search Routine by T E Travis
Interf. Age	Mr	p125	a	AMI's Re-entrant self-relative Subroutine ROM: by edited by Robert Stevens
Interf. Age	Ap	p114	a	EXMON-6800 Extended Monitor System by Michael Burton
Interf. Age	My	p109	a	Convert Motorola 6800 Hex Format to Intel Format by Floyd Nordin
Interf. Age	My	p111	a	User TTY Handler for the Z-80 Development System by Richard Maly
Interf. Age	My	p118	a	SC/MP Seiko Printer Interface and Program by Philip Roybal
Interf. Age	Jy	p22	a	Diablo Output Driver Routine--DODR (Try a Biablo-You'll Like it!) by Chris Terry
Interf. Age	Jy	p144	a	Summary of NORDIN Enterprises 8080/Z80 Disassembler Software by Review by Robert Stevens
Interf. Age	Jy	p148	a	D&M 8080 Software Operating System by Reviewed by Robert Stevens
Interf. Age	Jy	p151	a	8080 Intel Hex Format Paper Tape Punch Program -HEXDUMP by Alan Miller
Interf. Age	Ag	p163	a	High Density Tape Punch BIPNCH (6800)
Interf. Age	Ag	p167	a	High Density Tape Load BLOAD
Interf. Age	S	p151	a	8080/Z80 I/O Driver Program for the PERSCI 1070 FloppyContoller-PERSCI80 by Michael Busch
Interf. Age	S	p156	a	Bubble Sort by Martin Knight
Interf. Age	S	p167	a	Z-80 Developement System Disc I/O Keyboard Handler by Richard Maly
Interf. Age	O	p149	a	M6800 FORTRAN Cross Assembler Program by Gregory Trollope
Interf. Age	D	p151	a	Punch and Read Intel Formatted Tape by G.M. Sanderson
Kilobaud	F	p74	a	The Hobbyist's Operating System...Part 2; Interfacing with the Monitor by Dick Wilcox
Kilobaud	Ap	p34	a	Sorting Routines...Explanation of Common Sorting Techniques by Andrew Rerko
Kilobaud	Ap	p40	a	Number Rounding Program...Simplifying the Decimals by Jack Inman
Kilobaud	Ap	p68	a	Now You Can Use Software Timing Loops by Tim Barry
Kilobaud	Ap	p110	a	Automatic Memory Dumper...utility dump program for 6800 users by Jim Huffman, Hufco
Kilobaud	My	p4	a	Software Reviews; Edit Version 2.0 Text Editor by Lorin Mohler
Kilobaud	Jy	p60	a	Introducing the Disassembler by Phil Hughes
Kilobaud	N	p24	a	Everything about Assemblers!...sure beats hand-coding by Lance Leventhal
Kilobaud	D	p94	a	Here's Huey!...super calculator for the 6502 by Don Rindsberg
Kilobaud	D	p106	a	File Structures Simplied...design your own operating system by David Yulke
Microtrek	Ja	p42	a	Introduction to Assembly Language Translation by Michael Wimple
PCC	Jy	p41	a	8080 Matrix Subroutines by Tim Scully
Per Comput	Mr	p114	a	The Ungame, Two Techniques for Increasing Computer Power by Kenneth Jackman
Per Comput	My	p66	a	Your Personal Genie by Tom Munnecke
Per. Comput.	S	p88	a	Simplifying Personal Computing with Utility Programs by Bill Gates
Pop. Comput.	Ap	p4	a	Art of Computing : More on Assemblers
Pop. Elec.	Ja	p99	a	Computer Bits; Text Editing by Hal Chamberlin
Pop. Elec.	Ap	p95	a	Computer Bits; Monitors or Control Programs by Stephen Gray
Pop. Elec.	Jy	p89	a	Computer Bits: Assemblers
ROM	Ag	p92	a	A Simple Text-Editing System in APL by Eben Ostby
ROM	S	p87	a	A Payroll Program for Your Small Business by Robert Forbes
ROM	O	p89	a	Small Business Payroll Program Follow Up by Robert Forbes

PUBLIC ACCESS

Cr, Comput.	My	p36	a	Coin-in-the-Slot Computing at a Public Library by Harold Shair
Cr, Comput.	My	p40	a	Computer Power to the People! by David Ahl
IEEE Comp.	Ap	p56	a	Public Access to Personal Computing: A New Role for Science Museums by Robert Kahn
PCC	Ja	p8	a	A Day in the Life of COMMUNITY COMPUTER CENTER by Dean Daily
PCC	Ja	p40	a	People's Satellites
PCC	Ja	p41	a	PCC Interviews Ted Nelson by Ted Nelson and somebody
PCC	Mr	p9	a	Community Information Systems by reprint from Northwest Computer Club Newsletter
PCC	Mr	p22	a	Have Micro, Will Travel by Joanne Knoltnow Verplank
PCC	Mr	p33	a	PPC POWER by Craig Pearce
PCC	Jy	p31	a	Personal Computer Network
PCC	S	p14	a	Computer Networks by Larry Tesler
Per. Comput.	Jy	p39	a	Senator Harrison Schmitt on Computers and Telecommunications
ROM	S	p26	a	Forget Me, Forget Me Not by Avery Johnson
ROM	D	p30	a	COMPUTER COUNTRY An Electronic Jungle Gym or Kids by Lee Felsenstein
SCCS Interf.	Jy	p12	a	Community Information Systems by Bob Wallace

ROBOTICS

Byte	Ap	p59	1	Robot Literature Resources by James Ward
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ROBOTICS continued

Byte	Je	p30	a	NEWT: A Mobile Cognitive Robot by Ralph Hollis
Byte	N	p6	e	The Compleat Robotics Experimenter by Carl Helmers
Comp. Notes	S	p4	a	A Cheap Approach to the Mechanics of Robotics by Robert Rossum
Comp. Notes	O	p20	a	A Cheap Approach to the Mechanics of Robotics by Robert Rossum
Cr. Comput	Ja	p91	b	The Robots Are Coming: The Implications of Artificial Intelligence Dev. by F H George, J D Humphries, eds.
Cr. Comput	Mr	p64	m	GLOROBOTS (cartoons) by Gloria Maxson
Cr. Comput.	My	p16	m	The Lighter Side of Robots (cartoons)
Cr. Comput.	Jy	p45	a	Computerized Robots: A Step Into The Future for Hospitals by Susan Trout Armstrong
Dr. Dobbs	S	p8	a	An Interactive Programming Language for Control of Robots by Lichen Wang
Dr. Dobbs	N	p60	a	An INTERACTIVE PROGRAMMING LANGUAGE for CONTROL of ROBOTS (DDJ Sept '77) by Lichen Wang
Interf. Age	Ap	p19	a	A Computer Controlled Robot by Tod Loofbourrow
Interf. Age	Ap	p32	a	Robots As Household Pets by Robert Rossum
Interf. Age	Ap	p38	a	AROK by Linda Folkard-Stengel
Interf. Age	Ap	p40	a	The Remotoid/android Project by Roger Garrett
Interf. Age	Je	p5	l	Protective Guidance System for Robot by Chandler Paris
Interf. Age	Je	p16	a	A Microcomputer-Aided Prosthesis Control System by Amos Freedy, John Lyman, Moshe Solomonow
Interf. Age	Je	p29	a	Hexapod, Six Legged Bionic Bug by Robert McGhee, James Buckett
Kilobaud	Je	p17	b	Build Your Own Working Robot by David Heiserman
PCC	Ja	p34	a	The Robots are Coming! by Glenn Norris, Pres. U S Robotics Soc.
PCC	Ja	p35	a	ROBOTS as Household Pets by Robert Rossum
PCC	Ja	p37	b	Build Your Own Working Robot by David Heiserman
PCC	Jy	p8	a	Pet Robots: New Capabilities by Robert Rossum
Per Comput	Mr	p102	b	Build Your Own Working Robot by David L. Heiserman
Per Comput	My	p96	a	Robots on Your Doorstep by Nels Winkless III, Iben Browning
Per. Comput.	Jy	p116	a	What is a ROBOT? by David Heiserman
Per. Comput.	N	p27	a	Future Computing: Can Robots Grow Up? by Glenn Norris
SCCS Interf.	Ja	p43	a	Science Fiction Corner; The Subject is Robots by Lew Whittaker

SERIAL I/O

Byte	D	p164	a	Save Software: Use a UART for Serial I/O by Fr Thomas McGahee
EDN	Je5	p205	m	Constructing a Low-Cost Terminal Interface by Paul Snigier
EDN	Ag20	p134	a	Microprocessor Software Programs Bit-Rate-Generator by Garth Nash, Motorola
EDN	N 20	p91	a	uC Support Chip Directory: Solutions keep pouring forth
Elec. Des.	Ap12	p146	a	Consider Pulse-Width Modulation for Transmitting Data by Cable by Robert Stetson
Elec. Des.	Ap26	p96	a	Exchange Data Between Digital Systems Simultaneously by Charles Smiley
Elec. Des.	Ag2	p106	a	Programmable Baud Rate Generator for an 8080 Works Off the System Clock by Naresh Batra
Elec. Des.	Ag16	p104	a	Get 32 Times the Bit Rate Instead of 16 from a Programmable Baud Gen. by Krishna Rallapalli
Elec. Des.	S 1	p138	a	Revised Data-Interface Standards by Dusty Morris
Elec. Des.	D 20	p178	a	Use Double-Buffer characteristic of a UART and still avoid overrun error by Ban Bong
Electronics	Ja6	p115	m	Computer/Cassette Interface Take Tone from Clock by Alan Sahakian
Interf. Age	Ap	p68	a	Programmable Bit-Rate Generator by Krishna Rallapalli
Interf. Age	My	p111	a	User TTY Handler for the Z-80 Development System by Richard Maly
Interf. Age	Jy	p46	a	Some Guidelines for Users of the RS-232 or the UART by Michael Duncan
Interf. Age	Jy	p50	a	Serial/Parallel Interfacing with the Western Digital TR1863 by Roger Edelson
Kilobaud	My	p50	a	Who's Afraid of RS-232? Data Communications Explained by Greg Pickles
Kilobaud	Je	p72	a	Solving Keyboard Interface Problems...Would You Believe a UART? by Peter Stark
SCCS Interf.	Ja	p30	a	A Four Port Serial I/O Board by John Borders
73	Ap	p102	a	The Phantom Exposed -- Everything About Crosstalk on Ma Bell's Lines by J K Bach
73	N	p116	a	Super Baud Bumper -- for your SWTP 6800 by Jack Starr

SHOWS

Byte	Ja	p100	a	Some Candid Shots from Personal Computing '76 by Marj Kirk
Byte	Jy	p25	a	Observations and Conservations at the 1st West Coast Computer Faire by Lawrence F. Willard
Byte	O	p54	a	The NCC: A Dallas Delight by Chris Morgan, Charles Floto
Byte	N	p26	a	A Minicomputer Fair: Tiny and Personal by Donald Piele, Univ of Wisconsin

SHOWS continued

Byte	D	p74	a	PC 77 (Atlantic City) by Chris Morgan
Comp. Notes	Jy	p14	a	Altair Computer Capabilities Showcased at NCC
Cr. Comput	Ja	p44	a	Third (& Last?) National Student Computer Fair - More Thoughts by Stephen Gray
Cr. Comput.	Jy	p22	a	The First West Coast Computer Faire by David Ahl
Cr. Comput.	Jy	p28	a	The Second Trenton Computer Festival by Stephen Gray
Cr. Comput.	N	p55	a	Gamboling in Atlantic City (Interviews) by David Ahl
Cr. Comput.	N	p90	a	IFIP Congress 77 The Exhibits Were as Interesting as the Sessions by Ruth Glick
Dr. Dobbs	Je	p5	a	Wayne Watch: A New DDJ Featurette for the Naive Novice by Jim Warren, Jr.
EDN	Ag20	p48	m	Individuals and Industry Win at First Annual Computing Fair (NCC)
EDN	S 5	p36	a	WESCON '77
Electronics	S 15	p141	a	WESCON '77 (Discussion of Show)
Elem Elec	Ja	p69	a	e/e Visits A Computer Show (Atlantic City PC '76) by Norman Meyers
Kilobaud	Jy	p78	a	It Was GREAT!!...reviewing The First West Coast Computer Faire by Sheila Clarke
PCC	My	p26	a	Once Upon a Faire by Tim Barry
PCC	N	p42	b	Conference Proceedings of the 1st West Coast Computer Faire
Per Comput	Ja	p30	a	Personal Computing Conference Draws 5,000
Per Comput	My	p110	a	Personal Computing's Los Angeles Show by Anthony Abowd
Per. Comput.	Jy	p120	a	A Fine Faire (1st West Coast Computer Faire)
Per. Comput.	S	p120	a	Goodbye Old Paint WE'RE A-LEAVIN' BIG D (NCC Show) by Henry Gilroy
Per. Comput.	N	p46	a	A Professional's Report on NCC by Don Robbins
Pop. Elec.	S	p74	a	First West Coast Computer Faire by Tom Munnecke
ROM	Jy	p83	a	The First West Coast Computer Faire by Elizabeth Fairchild
SCCS Interf.	Ag	p14	a	Personal Computing at NCC by Ken WidELITZ

SIMULATION AND COMPUTER MODELING

Interf. Age	0	p56	a	The Energy / Environment Simulators by Joan Melcher
Interf. Age	0	p60	a	The Energy/Environment Simulator INTERACTIVE SIMULATION by John Amend
Interf. Age	0	p94	a	Star Ship Simulation Part III by Roger Garrett
Per. Comput.	S	p74	a	Computer Modeling by Webb Simmons
ROM	N	p64	a	Wings in Wind Tunnels Computer Models and Theories by Joseph Weizenbaum
ROM	D	p66	a	Computer Models in Psychology by Joseph Weizenbaum

SPEECH

Byte	Jy	p64	a	Speech Recognition for a Personal Computer System by James R Boddie, Bell Labs
Byte	S	p50	a	Product Description: Recognition for Heuristics Speechlab by Rick Parfitt
Comp. Music	Je	p12	a	Lexicon of Analyzed Tones Part 2: Clarinet and Oboe Tones by James Moorer and John Grey
Comp. Notes	Ap	p11	a	Altair Computer Reproduces Voice: Complex Waveforms Made Simple by Bill Kuhn
Comp. Notes	N	p27	a	Audiosyncracies; Unique Audio Processing Applications of the 88-AD/DA by Thomas Schneider
Dr. Dobbs	N	p6	l	New Voice Synthesis & Graphics Products at the Mini/Miro Show by Kenneth Young
Interf. Age	My	p56	a	Help Your Computer Understand Your Voice by Owen Thomas
Kilobaud	0	p34	a	Hello! Today's Program Is...understanding computer speech recognition by Sheila Clarke
Pop. Elec.	My	p43	a	Introducing SPEECHLAB, The First Hobbyist Vocal Interface for Computer by Horace Enea, John Reykjalín
ROM	D	p90	a	Talk is Cheap by Hesh Wiener

STANDARDS

Byte	F	p78	l	Standards by Chessman Kittredge III
Byte	Mr	p102	l	Comments on a Prototyping Bus by Webb Simmons
Byte	Mr	p102	l	Some Comments on the Universal Bus Idea by M Faimam, Assoc Prof o Computer Science
Byte	My	p117	a	New ASCII Standards
Byte	Jy	p34	a	A Proposed Microprocessor Software Standard by Peter Formaniak, David Leitch, Mostek
Byte	N	p198	l	A Response to "A Proposed Microprocessor Software Standard" by Carol Anne Ogdin
Byte	N	p205	m	Announcing the Central Standards Library
Cr. Comput.	S	p8	e	State-of-the-Art vs. Compatibility by David Ahl

STANDARDS continued

Dr. Dobbs	Ag	p34	1	Comment on Z80 Code Standard Proposed by David Ripps
Elec. Des.	S 1	p138	a	Revised Data-Interface Standards by Dusty Morris
Interf. Age	Ap	p117	a	Proposed Cassette Data Storage Format Standard by Lorin Mohler
Interf. Age	Je	p66	a	Introducing the S-100 Standard Small Computer Bus Structure by W M Goble
Kilobaud	F	p126	a	The "Kill a Byte" Standard by Hal Walker, National Multiplex Corp.
Kilobaud	Ag	p18	a	Cassette I/O Format...standards are still needed!! by A.H. McDonough and M.P. Hammontré
Kilobaud	O	p38	a	Beware the Altair Bus...it's not as compatible as you think! by Bill Fuller
Per. Comput.	N	p98	a	Touch and Show... Set of Hexadecimal Characters
SCCS Interf.	Ag	p22	a	Altair Bus-Si! Altair Bus-No! by Joe Killian vs Daniel Meyer

STORES AND ENTERPRISES

Byte	Ap	p145	m	Computer Stores in Canada (listing)
Byte	D	p154	a	Where to Get Bargains in Used Computer Equipment by Sol Libes
Cr. Comput.	Jy	p122	a	Retail Computer Stores
Cr. Comput.	S	p44	a	I Don't Like Noisy Machines (Interview with Pres of Polymorphic Systems) by David Ahl
Cr. Comput.	N	p55	a	Gamboling in Atlantic City (Interviews) by David Ahl
Dr. Dobbs	Je	p6	m	Data Sync Leader Charged with Fraud
Dr. Dobbs	Je	p8	a	More Support for Software Vendors by Brent Longtin, Algorithmics
Dr. Dobbs	O	p6	a	A Detailed Report on Product Delivery Complaints by Tom Williams
Electronics	Jy7	p70	a	Europeans Discover the Old Kit Bag (Personal Computer Shops in Europe) by Arthur Erikson
● IEEE Comp.	Ap	p77	a	A Cautionary Tale for the Entrepreneur, The Fatal Glass of Beer by Lee Felsenstein, LGC Engr.
● IEEE Comp.	Je	p101	a	Making it in Hobby Software by Tom Pittman
IEEE Comp.	S	p75	a	Interview with an Entrepreneur (Bob Moody, Byte Shops)
Interf. Age	Mr	p10	e	What Will Happen to Computer Stores? by Adam Osborne
● Interf. Age	Je	p95	b	The Shoestring, Start-At-Home, Computer Business Handbook by George Alan
Interf. Age	Ag	p16	a	The Jurisprudent Computerist: Types of Business entities by Elliott MacLennon, JD and Stephen Murtha
Interf. Age	S	p16	a	The Jurisprudent Computerist; Raising Money for your Business by Elliott MacLennon, JD and Stephen Murtha
Interf. Age	O	p16	a	Jurisprudent Computerist: Raising Capital for a Business by Elliott MacLennon, J.D. and Stephen Murtha
Kilobaud	Ja	p16	a	Around the Industry by Wayne Green
Kilobaud	F	p118	a	Making Money Is Nice! by Wayne Green
Kilobaud	S	p60	a	Seals Electronics...a visit with the memory people by J. Tom Badgett
● Kilobaud	S	p112	a	Starting a Business...pitfalls to avoid by Edward Campbell
Kilobaud	O	p84	a	Dedicated Controllers...there is money to be made by Michael J. Meyers
Kilobaud	N	p30	a	Your Image Counts!...polish it before turning pro by Sheila Clarke
Kilobaud	N	p62	a	Salesmanship, Hardware and Coffee...profit is the result! by Ken Barbier
● Kilobaud	N	p70	a	Interested in Commercial Programming...some points to consider by Irwin Doliner
● Kilobaud	D	p52	a	The Business Market...and the business of going after it by J. Tom Badgett
● PCC	Ja	p23	a	Computer Store Survey by Larry Press
● PCC	Ja	p24	a	Computer Stores Update List
PCC	Ja	p25	a	Manufactures List and Addresses
PCC	Mr	p12	a	FREE SOFTWARE? or Support Your Local Software Vendor by Tom Pittman, ITTY BITTY COMPUTERS
● Per Comput	Ja	p18	a	ILLIAC The Family Computer Enterprise by David Bunnell
Per Comput	Ja	p36	a	An Informal History of The Hobby Computer Market by Alan R. Kaplan, Venture Development Corp
Per Comput	Mr	p23	a	Lemonade Planning Service by Glenn Norris
Per Comput	Mr	p89	a	A Look at Computer Retailing by Nels Winkless III
Per Comput	Mr	p94	a	America's Most Advanced Cottage Industry by James J. Blackman
Per Comput	Mr	p132	a	List of Computer Stores
Per Comput	My	p63	a	Keeping Track by Alfred Liquoris
● Per. Comput.	Jy	p43	a	Tax Aspects of Personal Computing or When is a Hobby Not a Hobby? by Kenneth Wideltitz
Per. Comput.	Jy	p52	a	Retail Computer Stores: Before You Open The Doors LOOK OUT FOR LOP by Paul Conover
Per. Comput.	S	p116	a	Look Out For LOP Part II by Paul Conover
Pop. Elec.	F	p89	a	Computer Bits: Computer Stores by Stephen Gray
Pop. Elec.	D	p70	a	Computer Stores: A New Retailing Phenomenon by Sherman Wantz
ROM	Jy	p41	a	Altair and the Art of Motorcycle Shop Maintenance by Gordon Morrison
ROM	Ag	p76	a	A Day in the Life of Morsus Computer Taberna No. 13 by Paul Conover

STORES AND ENTERPRISES continued

SCCS Interf. Ja p48 a Computer Store Survey by Larry Press

SYSTEMS

Byte S p102 a System Description: The Noval 760 by Lane Hauck, & James Nash; Noval
EDN N 20 p221 a Project Indecomp--EDN Builds a Computer System
Interf. Age My p68 a Multi-Tyme System Employs 880 Microcomputer for Timekeeping and Security
by Michael di Meo
Per Comput Mr p31 a Big Computer, Little Computer by Jeff Raskin
Per Comput Mr p49 a All Dressed Up With a Place to Go by Henry Gilroy
Per Comput My p30 a Is ADAM the First of a New Breed (product review) by John Peers

TELETYPE

Byte Ja p32 a How to Drive a Teletype Without a UART by Gregory C Jewell
Byte Ap p12 a A Guide to Baudot Machines, Part I Description of Available Devices
by Michael McNatt
Byte My p98 a A Guide to Baudot Machines: Part 2, Interfacing Techniques by Michael McNatt
Byte Je p154 a A Guide to Baudot Machines: Part 3 A Teleprinter Test Circuit
by Michael McNatt
Cr. Comput. Ja p29 a Equipment Profile: Teletype Model 43 Terminal by David Ahl
Interf. Age F p64 a Computer Coupling to Teletype Loops by B D Lichtenwalner
Interf. Age My p111 a User TTY Handler for the Z-80 Development System by Richard Maly
Interf. Age Ag p142 a Teletype BRPE Punch Interface by Theodore Hillel
Kilobaud My p102 a Silence Noisy Teletype Motors...With a Solid-State Relay by Don Parks
Kilobaud N p110 a SC/MP Goes Baudot...add an inexpensive TTY by Benjamin Blish
Pop. Elec. O p43 a Teletypewriter Fundamentals for Hams, SWL'ers & Computer Hobbyists
by Larry Kahaner
73 F p82 a RTTY Goes Modern -- Using Microprocessors by Robert Brehm
73 F p88 a How to Use Those Old Teletypes -- Computer Operation with a 60ma Machine
by Louis Hutton
73 S p28 a So You Want to Get Into RTTY? -- Call for Papers Winner by Richard Parry

TERMINALS

Byte Ja p92 a Seperate Your Sync by David Rosen
Byte Ap p90 b TV Typewriter Cookbook by Don Lancaster
Byte Jy p122 a Add Cursor Control to Your TVT II
by Brother Thomas McGahee, The Salesian Center
Comp. Notes S p1 a Need an Inexpensive CRT? Build one Using an Altair 8800 Comp. Interface
by Jim Wiggins
Cr. Comput Mr p36 a Processor Technology VDM-1 (review)
Dig. Design Ap p36 a What's Ahead in CRT Terminals? by Leigh Cropper
Dig. Design Ap p60 a CRT Terminal Review: a product sampler
Dig. Design D p60 a 1977 in Review: Terminals, Smart and Dumb
Dr. Dobbs F p25 l \$10 for 64 Characters & Scrolling on a TVT II by R. Lynn Smith
Dr. Dobbs F p28 l TVT II 64 Character Modification by Gary Alevy
Dr. Dobbs Je p57 l Lower Case Mod for SWTPC's CT-1024 by R Lynn Smith
Dr. Dobbs O p18 l Backspacer for Dr. Suding's 16x32 TVT by Don Woods
EDN My5 p42 a Computer Terminals--Dumb, Smart, or Intelligent (overview) by Paul Snigier
EDN My5 p66 a A Buyer's Guide to Available Printing Computer Terminals by Ed Imbier
EDN My5 p88 a Design a Low Cost CRT Terminal Around a Single-Chip uP
by Michael Miller, Mostek
EDN O 5 p63 a Need a Multiterminal Interface? Try a Microprocessor Network.
by Tony Villasenor, Bill Holmes and Ed Zenker, NASA
EDN N 20 p189 a Terminals--To print or not to print...that is the question
Elec. Des. Ag2 p56 a Design Your Own Data Terminal by Robert Stetson, Storage Technology
Interf. Age Ja p16 a A CRT Terminal Using the M6800 Family by Joe Roy, Dusty Morris, Motorola
Interf. Age Mr p72 a Product Guide: Terminals
Interf. Age Jy p110 a New Product Guide: Terminals
Interf. Age S p64 a Microcomputers: The Intelligent Terminals by Jeb and Elizabeth Long
Interf. Age D p104 a Up Your Terminal (Burroughs 9350-2) by W. Fred Kennedy
Kilobaud Mr p88 a Using the "\$50" Terminal (ASCII to Baudot and back) by James Brown
Kilobaud Jy p30 a The Great TV to CRT Monitor Conversion by Grant Runyan
Kilobaud Jy p98 a Inside the Amazing ASR-33...checking out the most popular terminal
by Samuel S. Starr
Kilobaud N p19 b TV Typewriter Cookbook by Don Lancaster
Kilobaud D p30 a TVT Hardware Design...Part 1: instruction decoder and scan by Don Lancaster

TERMINALS continued

Kilobaud	D	p60	a	ALL CAPS...should be laid to rest by Bill McLaughlin
Mini Micro	Mr	p50	a	What is an "Intelligent" Terminal? by Malcolm Stiefel
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 Fish III, Frederic - Calculator
 Fish, Larry - Debug, 6502 uP
 Fisher, Eugene - Applications Gen, Debug, LLL BASIC,
 Mem: Gen, Mem: Floppy, Mem: RAM
 Fitchhorn, Donald - Text Edit, Utility Prog
 Flemming, Gordon - Computer Game, Mem: Tape
 Floto, Charles - Clubs, Shows
 Flystra, David - Printer
 Fohl, Mark - Education
 Folkard-Stengel, Linda - Applications Gen, Robots,
 Weather, Home

Forbes, Robert - Business, Utility Prog
 Formaniak, Peter - Standards, Prog Gen
 Fort, Larry - Test Equip
 Foss, R.C. - Mem: RAM
 Foster, Caxton - Clock
 Fowler, Bruce - Debug, Altair uC
 Fox, William - Applications Gen
 Franklin, Ben - uC Gen.
 Franson, Paul - Logic, Mem: Gen, Mem: RAM,
 uP General
 Frderick, Franz J. - Education
 Freedy, Amos - Robots
 Freeman, Wes - I/O
 Freeman, William - Mem: Tape
 Frenzel, Louis - Construction
 Friedman, Larry - Applications Prog.
 Friedman, Lawrence - uC Fund
 Friedmann, Jehosua - Art
 Fugitt, Lemuel - 6502 uP
 Fuller, Bill - Interface, Standards, Altair uC
 Fylstra, Dan - Interface, Printer

G

Gaines, Dan - Mem: Floppy
 Galef, David - Fiction, Gen Interest, Computer Game
 Galler, Bernard - Music
 Galletti, Carl - Z-80 uP
 Galway, William - Art, Graphics
 Garcia, Louise - Clubs
 Gargiulo, Gabriel - BASIC
 Garland, Harry - Applications Gen, uC Gen.
 Garon, Gerald - Test Equip
 Garrett, Roger - Future, Robots, Simulation,
 Computer Game, Prog Fund.
 Garson, James - BASIC
 Garvey, Michael - Calc. Game
 Gaskell, James - 8080 uP, Prog Fund., Utility Prog
 Gat, Dimitri V. - Fiction
 Gates, Bill - Lang. Gen., Prog Gen, Utility Prog
 Gauger, Jon - Humor
 Gaugler, Gary - Mem: Floppy, Utility Prog
 Geist, Douglas - uC Gen.
 Gellender, Edward - uP Fund, uC Fund
 Gentry, James - Mem: RAM
 Gerbens, Al - Amateur Radio, Applications Gen,
 Computer Game
 Gerow, Jim - Computer Game
 Gersthofer, Richard - SC/MP uP
 Giese, Madeline - Education
 Gilmore, Charles - Test Equip
 Gilpatrick, Susan - Hobby
 Gilroy, Henry - Gen Interest, Graphics, Shows,
 Systems
 Giugno, Pepino di - Music
 Gladstone, Bruce - Debug, uC Fund
 Glaeser, Christopher - Utility Prog
 Glick, Jon - Home
 Glick, Ruth - Shows
 Goble, W M - Digital, Standards, uC Gen.
 Godding, Patrick - Z-80 uP, Timeshare
 Goettelmann, John - Definitions
 Goldberg, Adele - Education, Future
 Goldberger, Alex - Video Displ., Computer Game,
 2650 uP
 Goldwater Jr., Barry - Gen Interest
 Goodman, Allen - 8048 uP
 Gordon, H T - Debug, 6502 uP, Utility Prog
 Gordon, Jim - Interface, Mem: Tape

Gordon, Joshua - Lang. Gen.
 Goss, Larry - 8048 uP
 Govind, P.K. - Weather
 Grappel, Robert - Applications Gen, Clock, I/O,
 Mem: Gen, Mem: RAM, Prog Fund.
 Grater, Robert - I/O, Test Equip, Kim uC
 Graupe, Daniel - Biofeedback
 Graves, Rod - Printer
 Gray, Jerry - Mem: PROM, Mem: RAM
 Gray, Martin - BASIC, Z-80 uP
 Gray, Stephen - Clubs, Future, Hobby, Humor, Shows,
 Stores, Computer Game, Heath uC,
 Utility Prog, uC Select
 Green, Burchenal - Books
 Green, David - Education, Graphics, Math
 Green, Dr Samuel - Keyboard
 Green, Wayne - Stores
 Greene, Robert - Mem: PROM
 Greenfield, Joseph - Mem: Gen, 6800 uP, uC Fund
 Gregson II, Wilfred - Amateur Radio, Kim uC
 Grembowski, Bruce - Computer Game
 Grenander, Sven - Astronomy
 Grey, John - Music, Speech
 Gride, Steve - Altair uC
 Grieser, Daniel - Prog Gen, Utility Prog
 Grimes, Peter - Education
 Grodstein, Seymour - Education
 Gross, Thomas - Calculator, Digital
 Gruenberger, Fred - Future, Hobby, Computer Game,
 Math
 Gruhn, David - Applications Prog.
 Gunsalus, Tina - Music
 Gupton, James - Experience, Test Equip, Altair uC
 Guthery, Scott - Computer Game, Prog Fund.
 Guzman, Dave - I/O
 Guzzon, Fulvio - Printer, 6800 uP, Utility Prog
 Gyles, C - Digital

H

Haas, Bob - Mem: RAM, Kim uC
 Haas, R D - Timeshare
 Haber, Rich - Books, Mem: Tape
 Haberhern, William - Astronomy, 8080 uP
 Hackmeister, Dick - Interface
 Hagg, Doug - Definitions
 Hall, Tom - Digital
 Hallen, Rod - Power Supply, Mem: RAM
 Haller, George - Amateur Radio, Applications Gen,
 Business, Home
 Hallmark, Clayton - Test Equip
 Hamilton, H R - Computer Game
 Hammer, Carl - Gen Interest
 Hamming, R W - Math
 Hammond, Dan - Keyboard
 Hammontré, M.P. - Standards, Mem: Tape
 Hand, William - Clock, Applications Prog.
 Handy, James - Digital
 Hanratty, James - Mem: Test
 Hanson, Charles - Calc. Game
 Harland, R* - Mem: RAM
 Harp, Lore - Home
 Harriman, Edward - I/O
 Harrison, John - Utility Prog
 Hart, Bob - Displays 7Seg.
 Hart, Jack - Model Railroad
 Harvey, Barry - Digital, Test Equip
 Harvey, J T - Digital
 Harvey, Ron - Business, BASIC, Prog Fund.

Hashizume, Burt - Math, Prog Fund., Utility Prog
 Hastings, Susan - Applications Gen, Education,
 Future, Gen Interest
 Hauck, Lane - Systems
 Hayden, Russ - Tiny BASIC
 Hayes, Albert - Calculator
 Hayes, John - Business
 Hecki, Neil - Digital, 6800 uP
 Hegedus, Gene - Calculator
 Heines, Jesse - Computer Game
 Heiser, Dick - Future
 Heiserman, David - Robots
 Helmers, Carl - Books, Future, Gen Interest, Hobby,
 Music, Robots, Video Displ., PASCAL,
 Mem: RAM, Mem: Tape, Apple uC, Prog Gen
 Helmick, Richard - Art
 Hemenway, Jack - Prog Fund.
 Hemmye, Dr. Jerome - BASIC, Prog Fund.
 Henderson, Barbara - Experience
 Henson, Bob - Applications Gen
 Herbster, John - Applications Prog.
 Herro, Mark - Amateur Radio
 Hershberger, Ed - Construction
 Hetherington, Richard - Mem: Tape
 Hiatt, Art - Education, Math Puzzles
 Hicks, Bruce - Gen Interest, Music
 Higgins, David - Prog Gen, Prog Fund.
 Hill, Curt - Mem: Gen
 Hillel, Theodore - Interface, Teletype, Mem: Tape
 Hilmantel, Mark - Tiny BASIC
 Himmelfarb, Martin - Video Displ., Computer Game,
 Home
 Hintz, Kenneth - Debug
 Hirschmann, Dr. Rudolf - Power Supply, Altair uC,
 Sol uC
 Hoegerl, Joseph - I/O, Keyboard
 Hofstetter, Fred - Music
 Hogan, Dr. C. Lester - Future, History
 Hogenson, James - Displays 7Seg.
 Hogg, Doug - Definitions, Interface, Mem: Floppy,
 Mem: Tape
 Hojberg, K Soe - Debug
 Holladay, David - Mem: Gen, uC Gen., Prog Gen
 Holland, Sam - Mem: Gen, Mem: RAM
 Holliday, Paul - Video Displ., Computer Game
 Hollis, Ralph - Robots
 Holmes, Bill - Interface, Terminals, Timeshare
 Holt, Oliver - uC Gen.
 Hordeski, Michael - 6800 uP, Applications Prog.
 Hordos, Barney - I/O, Keyboard
 Home, Dr. Peter - Interface
 Hosking, William - Mem: PROM
 House, Dave - Mem: RAM
 Houser, Max - Keyboard
 Howerton, Charles - BASIC, Utility Prog
 Huddleston, Randy - I/O
 Hudor, Andrew - Calculator
 Hudson, David - Graphics, 6800 uP, Prog Gen,
 Applications Prog.
 Huffman, Jim - Amateur Radio, Analog, Business,
 Computer Game, 6800 uP, Sphere uC, SWTPC uC,
 Applications Prog., Utility Prog
 Hughes, Debbie Slack - Graphics
 Hughes, Elizabeth - Prog Fund.
 Hughes, Phil - Biorythm, Digital, Experience,
 # Base Conv., Utility Prog
 Hughes, Steve - Prog Fund.
 Hunter, Mike - Prog Gen
 Huss, David - Mem: Gen, Mem: RAM

Hutton, Louis - Amateur Radio, Teletype
 Hyde, Kendall - Education, Math

I

Imbier, Ed - Printer, Terminals
 Inkeles, Bennett - Mem: Floppy
 Inman, Don - Digital, Education, Computer Game,
 Math, uP Fund, 6502 uP, uC Fund, Prog Fund.
 Inman, Jack - Education, Computer Game, Math,
 Utilith Prog
 Inman, Kurt - Computer Game
 Isaacson, Portia - Gen Interest, Hobby
 Ishida, Haruhisa - Clubs
 Iverson, Dr Kenneth - APL

J

Jackman, Kenneth - Prog Gen, Utility Prog
 Jacoby, Benjamin Franklin - Digital, Math
 James, John - Computer Game
 Janifer, Laurence - Fiction
 Janota, Claus - Calculator
 Jaworski, John - Prog Fund.
 Jenkins, William - Calculator
 Jensen, Peter Ole - Digital
 Jessop, Paul - Digital, Computer Game
 Jewell, Gregory C - Interface, Teletype
 Jiraphasra, Prasert - Test Equip
 Joerger, Richard - Amateur Radio
 Joffe, Allan - Humor, uC Fund
 Johansen, Robert - Communication, Future
 Johnson, Avery - Communication, Future,
 Public Access
 Johnson, Clark - Mem: Tape
 Johnson, Craig - Future
 Johnson, Donald - Clock
 Johnson, Gerald - Interface
 Johnson, Jack - Mem: Tape
 Johnson, Lytle - Printer
 Johnson, Steve - Gen Interest
 Johnston, David W. - Calculator
 Jon Glick, - Applications Gen
 Jones, Bill - Prog Fund.
 Jones, Cameron - Music
 Jones, Don - Analog
 Jones, Donlan - Code Conv., Utility Prog
 Jones, Doug - Debug, Music, Mem: Tape, Altair uC,
 Utility Prog
 Jones, Hilary D - Construction, uC Fund
 Jones, Robert - Books, Clubs, Mem: Floppy,
 Mem: PROM
 Jordan, Timothy - Digital
 Jung, Walter - Digital

K

Kaestner, Dr Olaf - Interface
 Kahaner, Larry - Teletype
 Kahn, Robert - Public Access
 Kaiser, Frank - Definitions
 Kapitan, Brian - 8080 uP, Digital Group uC
 Kaplan, Alan R. - History, Stores
 Karn, Phil - Computer Game
 Kasser, Joe - Computer Game, Other uC's
 Katzive, Bob - Mem: Tape
 Kauffman, Jim - Utility Prog
 Kay, Alan - Education, Future
 Kay, Gary - Printer, Mem: RAM

Keefe, David - Computer Game, APL, Math
 Keenan, R - Mem: Gen, Mem: Test
 Keith, Ed - Computer Game, Mem: Test, 6800 uP,
 Prog Fund.
 Keller, John - Digital
 Kelly, Bert - Video Displ.
 Kemeny, Dr. John - BASIC
 Kendrick, James - Digital
 Kennedy, W. Fred - Terminals
 Kenney, Donald - Humor
 Kenton, Jeffrey L - Lang. Gen.
 Keppel, Merritt - Keyboard
 Kerllenevich, Natalio - F-8 uP
 Kernay, Raymond - Computer Game
 Killian, Joe - Standards
 Kim, Sou Nam - Computer Game
 King, Dennis - Gen Interest
 King, George - Mem: Tape
 King, Paul - Calculator
 Kinnucan, Paul - Mem: Floppy
 Kirchner, Eric - Code Conv.
 Kirk, Marj - Shows
 Kissinger, K. Walter - Analog
 Kittredge III, Chessman - Standards
 Knecht, Ken - Experience, Text Edit, Timeshare,
 Computer Game, uC Fund
 Knight, Martin - Utility Prog
 Knuth, Donald - Computer Game, Math, Math Puzzles
 Kolbly, Kenneth - Computer Game
 Koltnow-Verplank, Joanne - Education, Computer Game
 Kostanty, Raymond - Logic
 Kraengel, William - Digital, Test Equip
 Kraul, Douglas - I/O, Interface
 Krause, Dr. Marina - Education
 Kravitz, Sidney - Math
 Kreiker, Philip - F-8 uP
 Krieger, Morris - Test Equip
 Krietner, Jim - Mem: PROM
 Krystosek, Paul - 8080 uP
 Kuhn, Bill - Applications Gen, I/O, Speech
 Kuntz, Robert - Digital
 Kushe, Willi - 6502 uP, Kim uC, Utility Prog
 Kuyper, J. Quentin - Music
 Kuzmack, Rich - Clubs

L

LaDage, Dan - uP Fund, Prog Fund.
 Laabs, John - Mem: PROM
 Lacy, Robert - Video Displ.
 Lahasky, Irwin - Prog Fund., Utility Prog
 Lahore, Henry - Intercept uC
 Lancaster, Don - Digital, Logic, Terminals,
 Video Displ., Code Conv., Kim uC
 Lange, Ron - Modem
 Langer, Richard - Debug, Experience, Future, Hobby
 Larry Press, - Applications Gen
 Larsen, David - Analog, Education, I/O, Interface,
 uP Fund, 8080 uP, uC Fund, Prog Fund.
 Larsen, Peter Rony & David - uC Fund
 Laske, Ott - Education, Music
 Latterman, Harry - Video Displ.
 Lau, Stephen - uP General, uP Fund, F-8 uP
 Lau, Ted M. - Gen Interest, Hobby
 Laudenslager, Keith - Computer Game
 Lauffer, Russell - Logic
 Laughlin, Neils - Lang. Gen.
 Laurer, G - Bar Code
 Lawson, James - Music
 Layzer, Arthur - Music

Le Jeune, David - Amateur Radio
 LeBrun, Marc - Music, Computer Game, PILOT, Z-80 uP
 Ledger, Marshall - Fiction
 Lee, H - Calculator, Tiny BASIC
 Lee, Scott - Calc. Game
 Lees, John - Future, Text Edit, Lang. Gen.,
 Prog Gen, Prog Fund.
 Leininger, Steven - Radio Shack uC
 Leitch, David - Standards, Prog Gen
 Leler, William - Lang. Gen., APL
 Lett, Christopher - Education
 Letwin, J G - uC Select
 Leventhal, Dr. Lance - Lang. Gen., uP Fund, 6800 uP,
 8080 uP, uC Fund, Prog Gen, Prog Fund.,
 Utility Prog
 Levin, Jim - Lang. Gen.
 Levy, Larry - Z-80 uP
 Lewis, William - Calculator
 Leyland, Robert - uP Fund
 Libes, Sol - Construction, Stores
 Lichtenwalner, B D - Interface, Teletype
 Liming, Gary - Power Supply
 Lincoln, T H - Debug, Test Equip
 Linker, Sheldon - Lang. Gen., Math
 Lipovac, Vlado - Interface
 Liquoris, Alfred - Gen Interest, Stores
 Lively, W L - Mem: Tape
 Lloyd, Allen - Calculator, # Base Conv.
 Lloyd, Robert - Education
 Lockhart, Jim - Mem: RAM
 Logan, L H - Test Equip
 Logan, William - Mem: PROM
 Logeman, John - Video Displ.
 Lomax, Daniel - Interface, Mem: Tape
 Long, Elizabeth - Terminals, Computer Game
 Longley, Rick - F-8 uP
 Longtin, Brent - Stores, Prog Gen
 Loofbourrow, Bryan - Experience, SWTPC uC
 Loofbourrow, Nathan - Digital
 Loofbourrow, Tod - Robots
 Loomis, Rick - Future, Computer Game
 Louie, Howard - Mem: PROM
 Lukas, Terrence - Applications Gen
 Lunch, Frank - uP Select
 Lund, Charles - Computer Game
 Lurie, William - APL, BASIC
 Lyman, Elisabeth - Education
 Lyman, John - Robots
 Lynne, Perry - Applications Gen, Test Equip

M

Mabon, Stuart - Mem: Floppy
 MacCrone, Robert - Education, Prog Fund.
 MacFarlane, Ian - Digital
 MacKenzie, Kirk - Mem: RAM
 MacLean, Alexander - Logic
 MacLennon, Elliott - Business, Stores
 Macknik, Louis - Gen Interest
 Madden, J Gregory - Lang. Gen.
 Magee, Joe - Construction, Digital
 Main, Carl - Computer Game
 Mallon, Marvin - Graphics
 Maly, Richard - Serial I/O, Teletype, Z-80 uP,
 Utility Prog
 Mangieri, A A - Construction
 Maniotes, John - BASIC, FORTRAN
 Manly, William - Mem: Gen
 Mann, David - Applications Gen, Math
 Maples, Michael - Applications Gen, LLL BASIC

Marriette, J W - Amateur Radio, Calculator
 Marsh, Bob - Sol uC
 Marshall, Martin - Gen Interest, Test Equip
 Marshall, R. C. - Debug, Test Equip
 Martin, Bob - Math
 Martin, Tom - Calculator
 Marzano, Edwin - Calc. Game
 Mason, John - APL
 Mathews, M V - Fiction, Music
 Matic, Branko - Graphics, Video Displ.
 Mattera, Lucinda - Power Supply
 Matthews, Bob - Fiction
 Matthews, David - Definitions
 Matthews, Harry - Amateur Radio
 Mabon, Stuart - Mem: Floppy
 MacCrone, Robert - Education, Prog Fund.
 MacFarlane, Ian - Digital
 MacKenzie, Kirk - Mem: RAM
 MacLean, Alexander - Logic
 MacLennon, Elliott - Business, Stores
 Macknik, Louis - Gen Interest
 Madden, J Gregory - Lang. Gen.
 Magee, Joe - Construction, Digital
 Main, Carl - Computer Game
 Mallon, Marvin - Graphics
 Maly, Richard - Serial I/O, Teletype, Z-80 uP,
 Utility Prog
 Mangieri, A A - Construction
 Maniotes, John - BASIC, FORTRAN
 Manly, William - Mem: Gen
 Mann, David - Applications Gen, Math
 Maples, Michael - Applications Gen, LLL BASIC
 Marriette, J W - Amateur Radio, Calculator
 Marsh, Bob - Sol uC
 Marshall, Martin - Gen Interest, Test Equip
 Marshall, R. C. - Debug, Test Equip
 Martin, Bob - Math
 Martin, Tom - Calculator
 Marzano, Edwin - Calc. Game
 Mason, John - APL
 Mathews, M V - Fiction, Music
 Matic, Branko - Graphics, Video Displ.
 Mattera, Lucinda - Power Supply
 Matthews, Bob - Fiction
 Matthews, David - Definitions
 Matthews, Harry - Amateur Radio
 Matzner, Thomas - BASIC
 Mauchly, Dr. John W. - Weather
 Maurer, W Douglas - Mem: Test, Mem: Tape,
 Utility Prog
 Maxson, Gloria - Humor, Robots
 Maxwell, John - Analog, Digital
 May, Jerome - Code Conv.
 Mazleck, Lawrence J. - Computer Game
 Mazur, Tom - Other uC's
 McCabe, John - Video Displ.
 McCain, John - Construction, Debug
 McCarty, John - 8080 uP
 McCaskill, Richard - Debug
 McLellan, Gary - Gen Interest, Hobby
 McCluskey, Edward - Education
 McCormick, Edward - Music, Digital Group uC,
 Utility Prog
 McCoy, Frank - Computer Game, Mem: RAM, Mem: Test,
 8080 uP, Altair uC
 McCue, Steve - Fiction
 McDermott, Jim - Calculator
 McDonough, A H - Debug, Mem: Tape, Standards,
 Test Equip
 McGahee, Brother Thomas - Serial I/O, Terminals,
 Video Displ.
 McGath, Gary - Text Edit, Lang. Gen.
 McGhee, Robert - Robots
 McIntyre, Chris - Calculator
 McLaughlin, Bill - Printer, Terminals
 McLaughlin, Laura - Education
 McLaughlin, Terrence - History
 McLean, Robert - Education
 McMichael, Chuck - Humor
 McNatt, Michael - Interface, Printer, Teletype
 Mead, David - LLL BASIC
 Mears, James - Test Equip
 Melcher, Joan - Simulation, Weather
 Melton, Henry - Fiction
 Mersich, Daniel - Gen Interest, Prog Gen
 Metzler, Robert - Test Equip
 Meyer, Budd - Power Supply
 Meyer, Daniel - Altair uC, Standards
 Meyers, Michael J. - Control, Stores
 Meyers, Norman - Books, Calculator, Shows, uC Gen.,
 uC Fund, Intercept uC, Kim uC
 Meyers, Ware - Mem: RAM
 Miller, Alan - Computer Game, Utility Prog
 Miller, Greg - uP General
 Miller, Joel - Control
 Miller, Lindsay - Clock, 6502 uP,
 Applications Prog.
 Miller, Mark - Home
 Miller, Merl - Books
 Miller, Michael - Terminals
 Miller, Morris - BASIC
 Miller, Randy - Computer Game, Applications Prog.
 Milligan, W Lloyd - Computer Game
 Mills, J Gary - Code Conv.
 Mills, Jonathon - Graphics, Video Displ.
 Milosavljevic, Cedimir - Digital
 Mims, Forrest - Mem: RAM
 Mitchell, Charles - Digital
 Mitchell, Stuart - BASIC, Mem: RAM, Altair uC
 Mitchell, William - Biorythm
 Mitra, A K - Displays 7Seg.
 Mmagieri, Adolph - Construction
 Moerdijk, M C W - Test Equip
 Mohler, Lorin - Standards, Mem: Tape, Utility Prog
 Moldovan, Dan - Math, Applications Prog.
 Moldvay, Tom - Art
 Molnar, John - Amateur Radio, Debug, Definitions,
 Digital, Logic, Mem: RAM, Prog Gen,
 Prog Fund.
 Moody, Bob - Applications Gen, Prog Gen,
 Applications Prog.
 Mooers, Calvin - Prog Gen
 Moore, Richard - Music
 Moorer, James - Music, Speech
 Moorhead, John - Video Displ.
 Moran, Brian - 2650 uP
 Morgan, Chris - Digital, Music, Shows,
 Radio Shack uC
 Morgan, David - Computer Game
 Morgenstern, Leonard - Prog Gen, Prog Fund.
 Morrill, Dexter - Music
 Morris, Dusty - Serial I/O, Standards, Terminals
 Morrison, Dr. James F. - Applications Gen, Business
 Morrison, Gordon - Business, Stores
 Moss, Dan - SC/MP uP
 Moursund, David - Calculator, Education
 Mrozowski, Andrj - I/O
 Mueller, Erik - APL

Muething, G - Test Equip
 Muhonen, Gary - Control
 Mundie, David - Lang. Gen., PASCAL
 Munnecke, Tom - Shows, Lang. Gen., Prog Gen,
 Prog Fund., Utility Prog
 Muralidharan, M R - Test Equip
 Murphy, Brian - Mem: Floppy, Mem: Tape
 Murrow, Gene - Clubs
 Murtha, Stephen - Business, Stores
 Mykris, Nick - Art
 Myron, Elliott - Computer Game

N

Naden, R - Mem: Gen, Mem: Test
 Nash, Garth - Serial I/O, 6800 uP, Prog Gen,
 Utility Prog
 Nash, James - Systems
 Naumovich, Nickey - Astronomy
 Nelson, Gary - Music
 Nelson, Ted - Public Access
 Nelson, Theodor - Education, Future, Gen Interest,
 Mem: Gen, Home
 Nemeck, Dr John - uP General, uP Fund, F-8 uP
 Neroth, Dr. Chacko - Digital, Interface, Printer
 Nesenjuk, Alex - Applications Gen
 Newberry, Steve - 8080 uP, Utility Prog
 Newcomer, Joseph - Utility Prog
 Newcomer, Kenneth - Calculator, Math
 Newman, John - Analog, Modem
 Niu, George - Power Supply
 Nold, Ellen - Education, PILOT
 Noll, A. Michael - Art, Graphics
 Nordin, Floyd - 6800 uP, Utility Prog
 Norris, Curt - Gen Interest
 Norris, Glenn - Robots, Stores
 North, Steve - Debug, Experience, Graphics,
 Video Displ., Computer Game, Lang. Gen.,
 BASIC, Tiny BASIC, CASUAL, Imsai uC, Sol uC,
 TDL uC, Other uC's, Utility Prog
 Noval, & James Nash; - Systems

O

O'Connor, Pat - Debug, Test Equip
 O'Neil, Bill - Analog
 O'Shaughnessy, Timothy - Analog, Weather, Astronomy,
 Home
 Ockers, Stan - Graphics
 Offutt, Warren - Calculator
 Ogdin, Carol - Education, Standards, Test Equip,
 Lang. Gen., 8048 uP, uC Gen., uC Fund,
 uC Select, Heath uC, Prog Fund.
 Oglesby, Alice - Calc. Game
 Oglesby, Mac - Education, Calc. Game, Computer Game,
 Math
 Ohrenstein, Ernst B.K. - uC Gen., uC Fund, Prog Gen,
 Prog Fund.
 Oliva, Stephen - I/O, Interface
 Olivieri, Jack - Construction, Digital
 Olson, Hank - Power Supply
 Olthoff, William - Digital
 Ormond, Tom - Power Supply
 Osband, Robert - Communication
 Osborne, Adam - Stores, Heath uC, Radio Shack uC,
 Prog Gen
 Ostby, Eben - Applications Gen, APL, BASIC,
 Other uC's, Music, Prog Fund., Utility Prog
 Overington, Will - Computer Game
 Overstreet, Jim - Amateur Radio, Kim uC
 Owen, Robert - Mem: Test
 Owens, Gerald - Intelligence
 Ozick, Daniel - Calculator

P

Pack, Charlie - Business
 Palm, William - Digital
 Palmer, John - Mem: Gen, Utility Prog
 Panchapakesan, S - Utility Prog
 Parfitt, Rick - Speech
 Paris, Chandler - Robots
 Parker, Alan - Mem: Tape, Modem
 Parker, Dan - Printer, Video Displ.
 Parker, Donn - Gen Interest
 Parker, Jeffrey - Other uP's
 Parks, Don - Digital, Power Supply, Teletype,
 Computer Game, Mem: PROM
 Parr, Richard - Digital
 Parry, Richard - Amateur Radio, Teletype
 Pasahow, Edward - History
 Pascoe, Robert - Digital
 Patel, Hash - SC/MP uP
 Patel, Hasmukh - Applications Gen
 Patel, N.N. - uP General
 Pathak, Janak - Timeshare, SC/MP uP
 Pearce, Craig - Public Access
 Pearsons, Ed - Computer Game
 Peer, J P - Applications Gen, Applications Prog.
 Peers, John - Future, Systems
 Pellerin, Sharon - Graphics
 Pereira, Stephen - BASIC, Imsai uC
 Perlegos, George - Mem: PROM
 Perry, Kenneth - Applications Gen
 Pessa, Raphael - Mem: Tape
 Peterson, Norman - # Base Conv., Prog Fund.
 Peuto, Bernard - Z-80 uP
 Pfafman, Fred - Imsai uC
 Philips, Doug - Humor
 Phillips, Don - 8048 uP
 Pickles, Greg - Serial I/O
 Piele, Donald - Shows, Math, Prog Fund.
 Pine, Ken - Debug, Test Equip
 Pinter, Paul - Analog
 Piszczalski, Martin - Music
 Pittet, Rene - Applications Gen
 Pittman, James - Calculator
 Pittman, Tom - Stores, Lang. Gen., Tiny BASIC, Math,
 Prog Gen, Prog Fund., Utility Prog
 Plantz, Charles - Computer Game
 Poduska, Paul R. - Heath uC
 Pogge, R. David - Math, Utility Prog
 Pollini, Steve - Applications Gen, Logic,
 Computer Game, uP Fund
 Pollins, Perry - Amateur Radio
 Pollock, James - Amateur Radio
 Polonchak, John - Other uP's
 Poole, Phil - BASIC, Mem: RAM, Altair uC
 Powell, Ken - Displays 7Seg.
 Prasad, Jayasimha - Test Equip
 Pratt, Reo W. - Mem: Gen
 Prazak, Paul - I/O
 Press, Larry - Stores
 Prewitt, Thomas - Amateur Radio, Calculator
 Price, David - Definitions, Computer Game
 Proebsting, Robert - Mem: RAM
 Prudhomme, W J - Construction, Digital, Test Equip
 Pugh, Kenneth - uC Gen., uC Fund
 Purinton, Timothy - Experience, Fiction, Humor
 Purser, Robert - Interface, Mem: Gen, uC Gen.,
 uC Select

Q

Quasney, James - BASIC, FORTRAN
Quek, S M - Prog Fund.

R

Rachmilevitch, Avner - Z-80 uP
Rae, Robert - Mem: RAM
Ragen, Alex - Fiction
Rallapalli, Krishna - Digital, Serial I/O, Mem: RAM
Rampil, Ira - Construction, Mem: Floppy, Mem: Tape
Ran, Annette - Gen Interest, uC Fund
Ranger, Rick - I/O
Raphael, Howard - uP Select, 8048 uP
Raskin, Jef - Gen Interest, Humor, Printer, BASIC, Systems, 8080 uP, Z-80 uP, uC Gen., uC Fund, Prog Gen, Utility Prog, Modem
Raybaud, Victor - Computer Game
Recupero, Andrew - Computer Game
Redden, Kevin - Business, Home
Regula, Jack - Mem: PROM
Renard, Jean - Future, Music
Rerko, Andrew - Utility Prog
Reyer, Steven - Amateur Radio
Reykjalín, John - Speech
Rhea, John - Prog Gen
Rheinstein, John - Math, Utility Prog
Rhoades, Thomas - Education
Rice, Wendell - Definitions, Humor
Rich, Wm. Denison - Amateur Radio
Rindsberg, Don - Math, 6502 uP, Utility Prog
Ripley, Bob - Applications Gen
Ripps, David - Standards
Ritmanich, Will - I/O
Roamer, Jake - Gen Interest
Robbins, Don - Shows
Roch, Bill - Interface, Mem: Tape
Rogers, Jean B. - Calculator, Education
Roginsky, M L - # Base Conv.
Roland, Jon - APL
Rolloff, Jeff - 2650 uP
Rony, Peter - Analog, Education, I/O, Interface, uP Fund, 8080 uP, uC Fund, Prog Fund.
Rosen, David - Construction, Terminals, Video Displ.
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