400 IDEAS FOR DESIGN COMPUTER AND PULSE CIRCUITS (cont.)

RC Pair Safely Sets Initial State of Relay Driver Delayed-Pulse Generator Uses Fewer Components SCR Driver Cold Cathode Counter Tube. Simple Cates Provide Binary Scale-Of-Ten Counter Mercury Relay Makes Fast-Rise Pulse Generator Blocking Oscillator-And Cate Produces Standard Output Pulse Transistorized Voltage-Frequency Converter Operates Linearly Delay-Line Discriminator Detects Sequences of Pulse FM Preserves Pulse Polarity in Ultrasonic Delay Lines. Indicating Shift Register Uses Silicon-Controlled Rectifiers Tunnel Diode Triggers Avalanche Pulse Generator Fixed Interval Timer Gates Random Pulse Stream Transistor Stage Yields Polarity-Controlled Output SCR Charge-Discharge Circuit Samples Slow Rep-Rate Pulses. Variable-Width Pulse Generator Provides Fast Rise/Fall Times Root Taker Using Biased Diode Networks Cate Circuit Inhibits Pulses on Command. Two-Transistors, Feedback Produce Free-Running Pulser Inverted Exclusive-OR Circuit Compares Binary Bits Zener, Diode Bridge Forms Double-Ended Clipper Circuit Squares DC Input Voltage Cascode Circuit Compensates for Heater-Voltage Sensitivity Simple Transistor Circuits Generate Phantastron Sweeps Biased-On AC Amplifier Boosts Low-Level Pulses D, Current-Mode Switch Deliver Fast 1-w Pulse Photoelectric Elements Help Analog Circuits Divide, Multiply Extra Triode Unloads Analog Computer Signal Source Exclusive OR Circuit User Three Transistors Differential Txelusive OR Reduces Logie Modules Majonity-Logie Adder Cuts Component Meeds. Diode Sets Flip-Flops for Initial State at Turn-On Direct-Coupled Transistors Provide Simple Parity Check Exclusive-OR Trectifut User Schowners Majonity-Logie Adder Cuts Component Meeds. Diode Sets Flip-Flops for Initial State at Turn-On Direct-Coupled Transistors Covering Component Meeds. Diode Sets Flip-Flops for Initial State at Turn-On Direct-Coupled Transistors Covering Component Meeds. Mousetrap Generator Builds a Better Pulse Magnetic Tape Detects Sections of Rotating Wheel Meen Driver Circuit Uses Low Voltage Transistor. Zener Di	7.77.77.77.77.77.77.77.77.77.77.77.77.7
Starter Circuit Guides Counter-Tube Beam	
Simplified Pulse Circuit Has Low Output Impedance Temperature Sensitive Resistors Are Low Cost Function Inverters	9.
Modified NOR Circuit Automatically Presets Flip-Flop	9.
Fast Squaring Circuit Preserves Phase Information	9
CONTROL CIRCUITS	
Quotient Circuit Substitutes for Difference Variable. Transistor Improves Response and Speed Regulation of DC Motor. Bridge Circuit Temperature Stabilizes Relay Operation. Filament Voltage Controls Thyratron Cut-Off. Diodes Allow Two-Wire Control of Limit-Switched Motor.	97 98 98 99