

Publications of Don Lancaster

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| Solid-state 3-channel color organ   | Electronics World   | April 1963     | page 55-8+  |
| Simplified solid-state color organ  | Electronics World   | January 1964   | page 50+    |
| Light dimmer & power-tool control   | Electronics World   | July 1964      | page 46-7+  |
| Four and five layer semiconductor diodes                                    | Electronics World   | October 1964   | page 61-4+  |
| New SCR developments  | Electronics World   | December 1964  | page 25-7+  |
| Multipurpose electronic control: lamp dimmer                                | Electronics World   | January 1965   | page 36-7   |
| Chirp, a new radar technique  | Electronics World   | January 1965   | page 42-3+  |
| Put your best meter face forward  | Popular Electronics | February 1965  | page 71-2+  |
| Low-cost hi-fi color organ  | Popular Electronics | March 1965     | page 43-7   |
| Tools for the electronic hobbyist   | Popular Electronics | March 1965     | page 65-70+ |
| Solid-state dimmers & power controls  | Electronics World   | May 1965       | page 34-6+  |
| Dymwatt   | Popular Electronics | May 1965       | page 71-3+  |
| Optical link: a new circuit tool  | Electronics World   | September 1965 | page 36-9   |
| Parts profiles  | Popular Electronics | September 1965 | page 56-8+  |
| Build the Li'l Dusker [the light watchman]                                  | Popular Electronics | September 1965 | page 73-6+  |
| Build your own dual-throttle power-tool speed control                       | Popular Science     | November 1965  | page 128-30 |
| Integrated circuits: what's available?                                      | Electronics World   | November 1965  | page 47-9+  |
| Hi-fi a go-go lamps [incandescent lamps controlled by audio signal]         | Popular Electronics | January 1966   | page 64-6+  |
| Amplification using switching techniques                                    | Electronics World   | February 1966  | page 30-2+  |
| Nanosecond pulses: techniques & applications                                | Electronics World   | February 1966  | page 37-9+  |
| Using new low-cost integrated circuits                                      | Electronics World   | March 1966     | page 50-2+  |
| Pulse generator   | Popular Electronics | April 1966     | page 60-2   |
| Semiconductor interval timer  | Electronics World   | May 1966       | page 82-4   |
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| Integrated circuit amplifier you can build for under \$6!                   | Popular Electronics | October 1966   | page 57-9+  |
| Linear integrated circuits: what's available?                               | Electronics World   | November 1966  | page 23-6+  |
| Square deal audio generator   | Popular Electronics | November 1966  | page 59-63  |
| Electronic metal locators   | Electronics World   | December 1966  | page 39-42+ |
| Logic demon [duplicating the logic functions of giant electronic computers] | Popular Electronics | December 1966  | page 41-5+  |
| Want to build an integrated circuit binary counter?                         | Popular Electronics | December 1966  | page 57-61+ |
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| Build the amligner  | Popular Electronics | February 1967  | page 60-1+  |
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| Extended resonance curves  | Electronics World   | November 1967  | page 36     |
| Experimenter's professional power supply                                   | Popular Electronics | November 1967  | page 71-3+  |
| Build an IC Testone [utility square-wave generator]                        | Popular Electronics | January 1968   | page 27-9   |
| Plastic power transistors advantages and applications                      | Electronics World   | February 1968  | page 50-2   |
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| IC decimal counting techniques   | Electronics World   | September 1968 | page 40-3+  |
| Build a musical pitch reference [integrated-circuit frequency synthesizer] | Popular Electronics | September 1968 | page 41-7+  |
| Build the Popular Electronics digital voltohmmeter                         | Popular Electronics | December 1968  | page 29-40+ |
| Build the Popular Electronics Universal frequency counter                  | Popular Electronics | March 1969     | page 33-5+  |
| Thermoluminescence, theory & applications                                  | Electronics World   | March 1969     | page 43-6   |
| How IC logic circuits work   | Radio-Electronics   | May 1969       | page 32-6   |
| Paleomagnetism & archeomagnetism   | Electronics World   | September 1969 | page 23-6+  |
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| Build the psych-tone [melody synthesizer]                                  | Popular Electronics | February 1971  | page 25-35  |
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| Build RE's digital printing computer                                       | Radio-Electronics   | April 1972     | page 50-3+  |
| Build R-E's logic demonstrator   | Radio-Electronics   | May 1972       | page 51-3   |
| Superclock: new digital timekeeper   | Radio-Electronics   | July 1972      | page 54-8   |
| Build this \$40 IC function generator                                      | Radio-Electronics   | September 1972 | page 36-41  |
| Build R-E's grinchwal digital test equipment                               | Radio-Electronics   | November 1972  | page 33-6   |
| Grinchwal readout module   | Radio-Electronics   | February 1973  | page 51-3   |
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| Experiment with WWVB  | Radio-Electronics   | August 1973    | page 48-51  |
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| Introduction to electronic music  | Popular Electronics | October 1973   | page 35-7   |
| How active filters work   | Radio-Electronics   | November 1973  | page 42-4+  |
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| Electronic music pitch standards  | Popular Electronics | January 1974   | page 39-43  |
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| Build improved ASCII encoder  | Radio-Electronics   | February 1974  | page 59-61+ |
| Pitch generators for electronic music   | Popular Electronics | February 1974  | page 98-101 |
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| How to select EM keyboards & controllers<br>[for electronic music synthesizers] | Popular Electronics | July 1974      | page 42-4   |
| What's a RAM? [Random access memory]  | Radio-Electronics   | September 1974 | page 50-3+  |
| Build Digiviewer II   | Popular Electronics | September 1974 | page 63+    |
| Selecting an electronic music synthesizer                                       | Popular Electronics | October 1974   | page 50-1   |
| Keying & VCA circuits for electronic music<br>instruments                       | Popular Electronics | January 1975   | page 60-3   |
| Keying & VCA circuits for electronic music<br>instruments                       | Popular Electronics | February 1975  | page 37-9   |
| Understanding pseudo-random circuits  | Radio-Electronics   | April 1975     | page 42-3+  |
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| Understanding active filters  | Popular Electronics | December 1976  | page 69-73  |
| Six CMOS circuits for experimenters   | Popular Electronics | April 1977     | page 46-7   |
| Build the TVT-6: a low-cost direct video<br>display                             | Popular Electronics | July 1977      | page 47-52  |
| Hex-to-ASCII converter for your TVT-6   | Popular Electronics | October 1977   | page 49-52  |

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| The case against patents  | The Whole Earth Review | Winter 1992 |                  |
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