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Cisek, Tom	Jan,92,1	Clipboard Cut & Paste, use discussed	Dec 00 4
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Softdesk 8	Sep 98 6	Spreadsheet, tables into DataCAD	Sep 00 4
SoftDesk	May 95 7	Spreadsheets, Excel/DataCAD/CorelDraw	Sep 95 5
softTECH	Dec 99 5	Spreadsheets, Excel extension for DXF export	Sep 95 6
SoftTech	Jun 00 9	Spreadsheets, Excel to DataCAD via HiJaak PRO	Sep 95 6
SoftTECH, mobile congress	Jul 00 9	Spreadsheets, importing to DataCAD	Sep 95 5
Software Piracy	Mar 98 6	Spreadsheets, clipboard use	Dec 00 5
Software Problem Reports, SPR	Feb 94 6	Spreadsheets	Oct,91,2
Software Tool & Die	Nov 98 8	Sprint, German sister program	Mar 93 4
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Sound Board	Jul 93 3	STAC Electronics	Jul 94 4
Sound card	Apr 99 6	Stack overflow, use ; key to clear	Jan 97 3
Sound Blaster	Apr 99 6	Stacked Fractions	Nov 99 1
Source Code	Mar 94 3	Stacked Fractions	Mar 99 5
South Street Seaport	Dec 98 1	Stacked Fractions	Mar 99 8
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Spam Attack Pro	Oct 98 6	Stairs, macro in Plus	Jun 00 3
Spam Exterminator	Oct 98 6	Stamp Plot Macro (B20)	Apr 98 8
Spam Hater	Oct 98 6	Stamp Plot MM (B20) CTW Top Ten Best-Seller	Oct 99 7
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Spammers	Nov 00 1	Stamp Plot (B20), Top Ten best sellers	Apr 00 8
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Standards Australia	Apr 99 2	Subject space	Feb 99 3
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Standards National CADD	Feb 99 7	Subscriptions, Renewals	May,91,5
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Start Up Folder, use explained	Jul 00 6	SUP (Support) directory files overwritten during upgrade	Sep 99 5
Startup Files, CONFIG.SYS	Feb 95 4	Supplier, Disco Print (800)258-7778	Jan 93 5
Startup Files, AUTOEXEC.BAT	Feb 95 4	Supplier, Elek-Tek (800)395-1000	Jan 93 5
Startup Files, testing with DOS 6	Feb 95 5	Supplier, CompUSA (800)451-7638	Jan 93 5
StartUp Folder	Sep 97 3,4	Supplier, MEI Micro Center (800)634-3478	Jan 93 5
stateful inspection	Nov 00 2	Supplier, Quill Corp. (708)634-8000	Jan 93 5
Static Electricity	Mar 94 5	Surge Protector	Jul 94 2
Static Electricity	Jan 96 5	Survey, Quickie Fax #1	Mar 94 8
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Staub, Wendy	Sep 94 6	Surveying, takeoff shortcut	Jul 95 4
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Stevens, Becky (Virtual Marketing)	Jun 98 8	SWP file	Feb 94 2
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Stickyback	May 00 4	SWP files, quick open	Dec 99 3
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Stone, Steve	Jan 99 1	Symantec	Sep 99 6
Stone, Steve	Mar 99 5	Symantic's Ghost	Aug 99 5
Stone, Steve	Jan 00 2	Symbol Doc macro	Oct 98 7
Stone Hatching	Nov 00 9	Symbol Docmacro, 8.06 correction	Nov 98 7
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Storage pvc pipe	Jan 99 7	Symbol Keys, Using Change Text Contents	Jan 93 4
Storms, Craig	May 95 7	Symbol, multiple insertion pts., David Namaksky	Jan 94 2
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Stretch, can't in 3D	Jul 97 2	Symbol, direct insert w/o tpl	Jan 00 5
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Stretch, odd angles	Jan 97 1	Symbols, 3D Elevations	Jan 95 3
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String Variable	Feb 97 4	Symbols, Autopath not recommended	Mar,91,3
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Symbols, insertion points	Mar 98 2	Symbols, hatching retrieval	Jan 00 3
Symbols, insertion points	May 99 5	Symbols, enhanced object snapping	Sep 00 3
Symbols, instances	Feb 94 1	Symbols, networking	Apr 00 5
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Symbols, kit of parts	Mar 98 2	Symbols, absolute vs. relative path	Apr 00 6
Symbols, label methodology	Sep 96 4	Symbols, adding snap pts	Jan 00 5
Symbols, layer attributes	Mar 98 2	Symbols, scaling reference	Jan 00 5
Symbols, like drawing file	Mar 98 1	Symbols, SM+ vs. SM3	Jun 00 2
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Symbols, metric libraries for DataCAD-Plus	Dec 99 5	Symbols, undo trick	Oct 00 5
Symbols, middle mouse button snap	May 99 6	Symbols∆, 3D Input with Z	Dec 97 6
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Symbols, new 3D site symbols w/8.5	Jun 99 2	System Tools	Jun 99 5
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Symbols, non-plotting guidelines	Jan 99 2	System Resources	Jun 99 5
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Symbols, parking counts	Nov 98 4	System Configuration, MSCONFIG	Aug 00 6
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Symbols, plan/elevation	Feb 99 5	System Backup	Dec 00 6
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Symbols, quote key, multiple call	Apr 99 5	Systems Tray	Jul 00 7
Symbols, re-entering after save	Jan 94 2	Systems approach, energy codes	Oct 00 1
Symbols, re-loading	Aug 95 6		
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Symbols, report feature	Jan 99 4	Tagerman, Jeff	Jan 98 5
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Tardif, Michael	Jun 97 4,5	Template display error, extra spaces	Mar 00 6
Tardif, Michael	Jul 98 7	Template, assemble sections	Apr 00 2
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Tardif, Michael, National CADD Standard	Jul 99 8	Templates, CSI Organizer	Apr 99 8
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Tardif, Michael, new AIA appointment	Nov 98 8	Templates, editing text file	Feb 98 5
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Taylor, Berry	Sep 97 5	Templates, Hatch swatches	Jan 99 5
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TClockEx utility	Oct 00 6	Templates, off Zip Drive	Oct 96 5
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Teaching classes at DATACAD LLC	Mar 00 7	Templates, other cheap tricks	Feb 98 3
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Teamwork (rendering)	Mar 99 3	Templates, Pipe () redirection	Jul 95 5
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Tech Ed Concepts (800-338-2238)	May 98 6	Templates, purge	Feb 98 2
Tech Ed Concepts (800)338-2238	May 97 7	Templates, purge & reload	Feb 99 6
Tech (new methodology)	Mar 99 1	Templates, quick edit	Jan 99 2
Tech Ed Concepts, ad	Nov 98 6	Templates, re-direction	Feb 98 1
Tech Ed Concepts link to	Sep 99 1	Templates, re-direction piping	Feb 98 2
Tech forum option	Apr 98 8	Templates, re-pathing	Mar 99 5
Tech Support techsupport@datacad.com	Jul 99 5	Templates, re-sizing width	Jan 99 2
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Tennessee Architect Stamp	Nov 99 7	Text, import size, line spacing, font	Dec 99 2
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Text angle rotations quick	Apr 99 5	Text, matching angle	Jan 98 7
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Text, import AutoCAD/DataCAD fonts	Dec 00 7	Title block and sheet border, in default	Jul 97 3
Text, notes shared via XREFs	Sep 00 9	Title Screen, DCAD.POF	Apr 98 5
Text, plain	Mar 00 1	Title Screen, your logo	May 97 4
Text, resize or regroup w/Clipboard	Oct 00 5	Title Borders, share via XREFs	Sep 00 8
Text, tabs in Clipboard	Dec 00 5	To File	Nov 99 6
Text, transfer via clipboard	Sep 00 7	To File	Nov 99 5
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Text Scale, on/off	Jan 00 2	Tolerance (dimensioning)	Nov 99 1
Textbooks for DataCAD	Sep 99 2	Tom's Hardware Guide www.tomshardware.com	Sep 99 3
Texture Maps, web downloads	Jan 97 7	Tom's Hardware	Dec 00 3
Texture mapping	Sep 98 4,6	Tool Bar Icons, icons grayed out	Apr 95 6
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The Designer's Look	Aug,91,-	Toolbars	Jan 99 4
The CAD Print Shop	Jul,91,-	Toolbars (see also Icon Toolbars) line feed via \$	Jan 99 4
The Ini-Outi Editor (B111) CTW Top Ten Best-Seller	Oct 99 7	Toolbars (see Icon Toolbars)	
The Living, Growing CAD Office Manual	Sep,92,-	Toolbars, 2D	May 99 5
The Official DataCAD Users Guide	Nov 00 8	Toolbars, 3D	May 99 5
The Official Guide to DataCAD	Apr 00 7	Toolbars, CSI-format Templates	May 99 5
The Official Guide to DataCAD	Sep 00 6	Toolbars, Dimensioning	May 99 5
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World Wide Web, <http://www.cadkey.com/~ldavies> Jun 95 3
World Wide Web, <http://www.clr.toronto.edu:1080/VIRTUALIB/arch.html> Jun 95 3
World Wide Web, <http://mistra.lenst.fr/> Jun 95 3
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www.britannica.com Jan 00 8
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www.capcad.com/capcad/kongscut, Kongscut (DC Render) Sep 00 9
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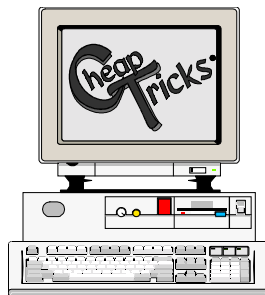


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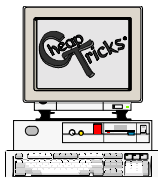
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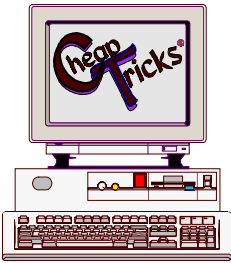
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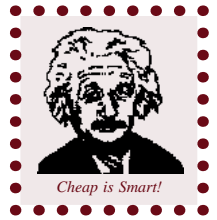


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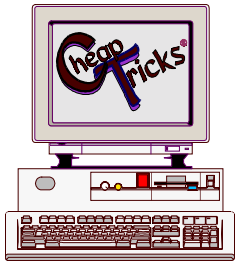
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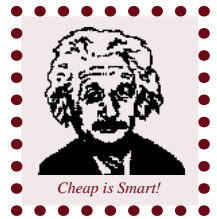
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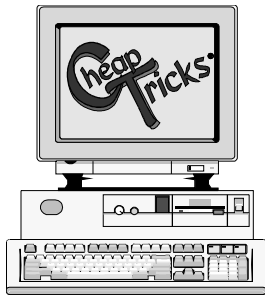
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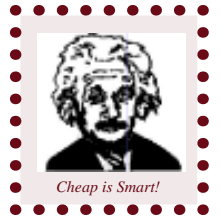
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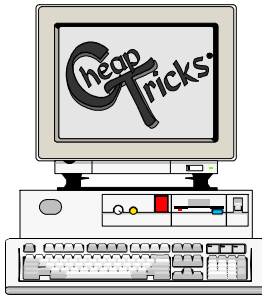
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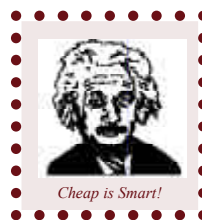
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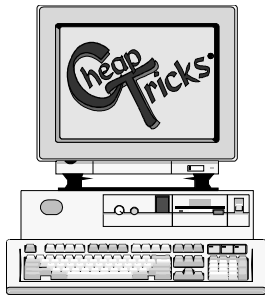
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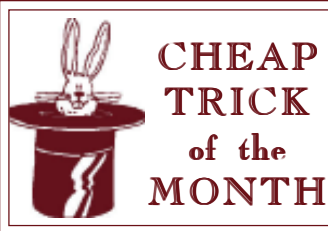
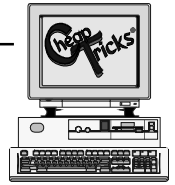
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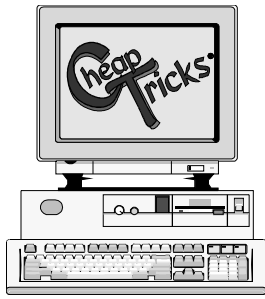
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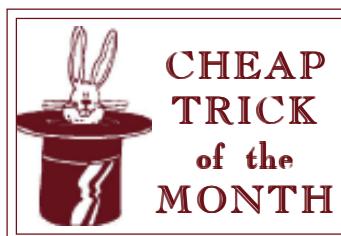
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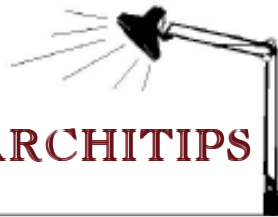
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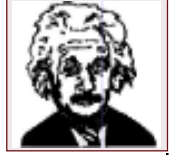
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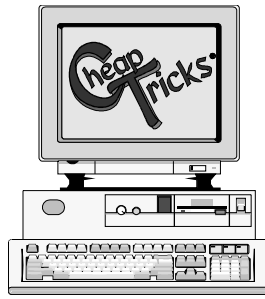
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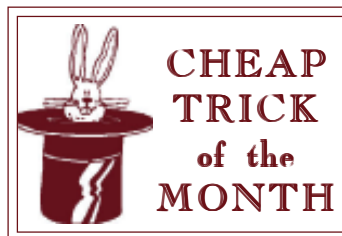


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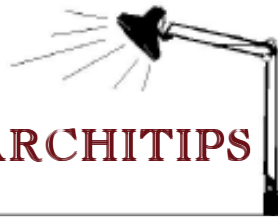
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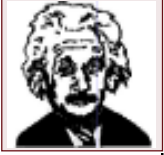
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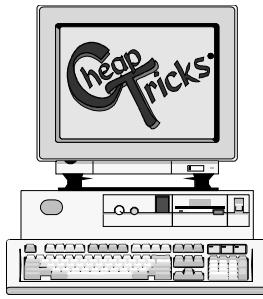
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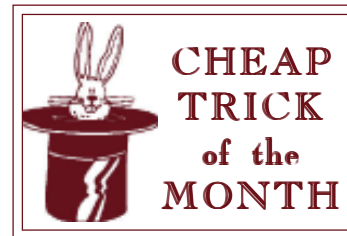
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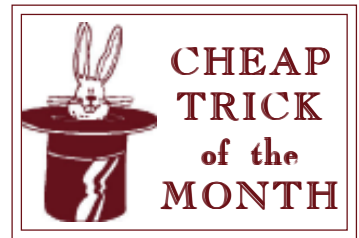
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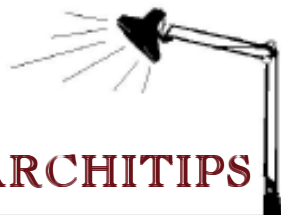
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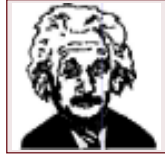
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