THE DOZENAL SOCIETY OF AMERICA'S COMPREHENSIVE SYNOPSIS OF

Dozenal and Tr	aı	ns	sd	e	Ci							oolo		
Dozenal and Transdecimal Symbologies from the Duodecimal Bulletin and Beyond														
	Dozenal Digit													
Style Symbology	0	.1	2	3	4	5	6	7	8	9	χ	٤	Reference*	
Least Change: Repurposing: Sequisite "IBM" (applied to dozenal)	иеп 0	tıal 1	2	2	4	5	6	7	Q	Q	A	В	DB 27·2·10	
Alphanumeric lowercase	0	1	2	3	4	5 5	6	7 7	8	9	a	b	DB 2/ 2·10	
Least Change: Repurposing: Rationalized														
D'Alambert & Buffon	0	1	2	3	4	5	6	7	8	9	X	Z	NR 02·1·11	
"Hall"	0	1	2	3	4	5	6 6	7	8	9	t	e	DB 2♯·1·1♯	
G. Chrystal (1150;)	0	1	2	3	4	5	6	7	8	9	$\begin{array}{c} \tau \\ X \\ \delta \\ d \end{array}$	3	DB 03·1·11	
Henry Parkhurst (1115;)	0	1 1	2	3	4	2	6	7	8	9	A S	Λ	DB 10·2·33 Note 2	
"Delta-Epsilon" H. K. Humphrey (Strict)	0	1	2	3	4	5	6	$\frac{7}{7}$	8	9	ď	ε k	DB 01·3·23	
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Jene Farmer (11X£;)	Ō	1	$\overline{2}$	3	4	5	6	7	8	9	Ю	е И	DB 44·1·10	
Bryan Parry A (11£1;)	0	1	2	3	4	5	6 6 6	7	8	9	$\Gamma \atop \beta \atop \Delta$	Э Σ Σ	Note P	
Bryan Parry B (11£1;)	0	1	2	3	4	5	6	7	8	9	β	Σ	Note P	
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Bryan Parry D (11£1;) Bryan Parry E (11£1;)	0	1	2	3	4	5	6	$\frac{7}{7}$	8	9999	Λ	ίΠ	Note P Note P	
Bryan Parry F (1121;)	0	1	$\frac{2}{2}$	3	4	5	6	$\dot{7}$	8	9	ж	Ж	Note P	
Bryan Parry G (1121;)	Ŏ	ī	$\bar{2}$	3	4 4	5	6	7	8	9	Ж	Й	Note P	
"Decker"	0	1	2	3	4	5	6	7	8	9	$\frac{1}{0}$	1 1	Note E	
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Least Change: Derived: Aesthetic Juan C. Lobkowitz (£50;)	:all	v R	atio	nali	izea	ł	U	′	O		T	<i>V</i>	NKO) 20)	
Juan C. Lobkowitz (£50;)	0	1	2	3	4	5	6	7	8	9	p	n	NR 02·1·11	
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Tom Johnson	0	1	2	3	4	5	6	7	8	9	0	H ~	Note A	
Peter Barlow (106X;)	0	1 1	2	3	4	5	6	7	8	9	φφτεττχχχχλ λ λ λ	$\stackrel{\gamma}{\pi}$	NR 02·1·11	
Peter Barlow (1065;) Vicente Pujals de la Bastida		1	2	3	4	5	6	$\frac{7}{7}$	8	9	7	$\frac{\pi}{\nu}$	NR 02·1·11 NR 02·1·11	
Sir Issac Pitman (10X9;)	ŏ	i	$\tilde{2}$	3	4	5	6	7	8	9	ε	ν	NR 02·1·11	
Sir Issac Pitman (10x9;)	Ö	1	2	3	4	5	6	7	8	9	7	V	DB 03·2·01	
William S. Crosby	0	1	2	3	4	5	6 6 6	7	8	9	τ	٤	DB 02·2·14	
William Dwiggins	0	1	2	3	4	5	6	7	8	9	χ	٤	DB 01·1·02	
G. Elbrow	0	1 1	2	3	4	5	6 6	7	8	9	X	3	DB 04·1·11	
T. Wood DSA-"Bell" via Churchman	0	1	2	3	4	2	6	7	8	9	χ	X H	NR 02·1·12 DB 25·1·02	
William Schumacher	Ö	1	$\frac{7}{2}$	3	4	5	6	$\overset{\prime}{7}$	8	ó	8	6	DB 23 1 02 DB 37·2·19	
H. K. Humphrey	ŏ	î	$\bar{2}$	3	4	5	6 6 6	7	8	9	9	k d	DB 01·3·23	
Paul Van Buskirk	0	1	2	3	4	5	6	7	8		dk		рв 03⋅4⋅18	
Ray Greaves / David James		1	2	3	4	5	6	7 7	8	9	4	Z	Note C	
De Vlieger "Arqam" (1193;)	0	1	,2	3	4	5	6	/	8	9	Ż	7	DB 45·2·1♯	
De Vlieger Arqam (1193;) Least Change: Derived: Technica Don Hammond Don Hammond Niles Whitten 1 Niles Whitten 2 Paul Rapoport "Bell" numerals via Zirkel "Bell" via Radio Shack Ray Greaves Timothy F. Travis Least Change: Improvisation: Re	шу П	Ka !	tion	a112	zea 4	5	Б	7	П	Q	ہے	L	Note B	
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Paul Rapoport	Ц	ļ	ζ	닄	4	þ	Þ	4	Ä	爿	Ż.	Ļ	DB 31·3·04	
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"växan" (11£2;)	0	1	2	3	4	5	6	7	8	9	1		Note V	
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→ See the Duodecimal Bulletin wn 99; Vol. 4χ; № 2 and wn 9χ; Vol. 4ξ; № 1 for further exploration of the subject of "symbology", the devising of a set of symbols to serve as numerals for dozenal and other number bases. The *Duodecimal Bulletin* is a publication of the Dozenal Society of America.

- The reference notation indicates items in the DSA's Duodecimal Bulletin (DB) or the DSGB's Duodecimal Newscast ${\it Duodecimal/Dozenal\,Review\,(NR)}\ in\ the\ format\ Volume\ Number\ Page.\ Items\ deriving\ from\ the\ DSGB's\ {\it Dozenal\,Review\,(NR)}\ in\ the\ format\ Volume\ Number\ Page.\ Items\ deriving\ from\ the\ DSGB's\ {\it Dozenal\,Review\,(NR)}\ in\ the\ page and the pag$ Journal (DJ) are presented in the format Continuation Number-Page. All figures in the dozenal symbology in use at the time of publication of that issue. Thus, DB 02·1·1¼ refers to Vol. 2 № 1 page one dozen ten; DB 2#-1·1# refers to Volume two-dozen eleven No 1 page one dozen eleven. The publications of the DSGB use the Pitman symbol-
- Items retrievable at time of publishing from the Dozenal Society of Great Britain's official website, specifically, http://www.dozenalsociety.org.uk/basicstuff/digits.htm.
- B Retrievable at time of publishing at http://www.dozenalsociety.org.uk/basicstuff/hammond.htm, part

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-	Frank Plevin	0	1	2	3	4	5	6	7	8	9	4	Ŕ	nr 06·2·07
-	Dr. Paul Rapoport	0	1	2	3	4	5	6	7	8	9	ð	R	DВ 2 % ·2·24
- 3	Shaun Ferguson 2	0	1	2	3	4	5	6	7	8	9	ท	r	Note J
- 3	Separate Identity: Repurposing	Seg	uen	tial										
- 3	"Ernest Stryver"		b		d	f	g	h	i	l	m	n	O	DB $01.3.22$
- 3	J. Halcro Johnson-1	0	1	2	3	4	g	6	i Š	4	3	2	0 1	DB $06 \cdot 2 \cdot 25$
-	Louis Loynes 1	Z	Ι	Α	В	C	D	E	F	G	Η	T	K	NR 03·2·03
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-	R. J. Hinton	0	1	b	111	6	1	v	w	Į.	M	7	j.	NR 03·2·07
- 3	P. D. Thomas "Modular"			3	Ψ	T O	$\frac{\Lambda}{7}$	人	T	†	19	N/	I.	Note D
-	D. A. Sparrow	0	7	J	٢	r	C	Λ	X	V	ν	И	И	NR 03·2·0£
-	Fred Newhall "Efficient"	7				•								DB 2 X ⋅3⋅16
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- 3	Shaun Ferguson 1		1									r	-	Note C
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-	Kingsland Camp ^í	ф	L	9	θ	f	7	φ	7	6	θ	P	7	DB 02·1·16
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- 3	Louis Loynes 3	V	1	2 Z	<u> 3</u>	X	N	6	<u>/</u>	٥	9	(<u>Z</u>	Note A
- 3	Mohan Kala			. <u>7</u>	کِ	Ř ×	\preceq	П	Z	Н	Ķ	\times	\succeq	DJ 31·35
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см, Volume 11, Issue 10 (October 1968) Page: 658.

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Gene Zirkel's expansion

See DB 49·1·15

of Schumacher numerals:

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Conlon

▲ Fig. 3. Studies of

various modular sym-

identity symbologies.

The rows of each study

lay out digits divisible by

metries of some separate

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"Arqam"

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SCHUMACHER-

Zirkel

▲ Fig. 2. Studies of

the multiplicative

strategy exhibited

by the "argam" least

change symbology, and

exponential strategy for

Shaun Ferguson's and

the Schumacher and

Zirkel-modified binary

coded analog separate

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Errors or Suggestions? Contact: Editor@Dozenal.Org & Updated 15 January 2011

imbers.html. Prof. Lauritzen's website

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- Retrieved at http://web.archive.org/web/20031212123420/http://www.raenbo.com/, an archived version of Mr. Travis' website, and through private communication with Mr. Travis.
- Retrieved at Traveler Hauptman's wiki at http://www.hauptmech.com/base42/wiki/index.

Dozenal Digit Style Symbology 0 1 2 3 4 5 6 7 8 9 χ ξ Least Change: Improvisation: Creative 2 3 4 5 6 7 8 9 £ ∠ 2 3 4 5 6 7 8 9 7 ∠ 2 3 4 5 6 7 8 9 J € 2 3 4 5 6 7 8 9 X ∠ Handy/Norland 0 1 0 1 Jean Essig Charles Bagley 1

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Clarence Gardens, South Australia. Modular Conversion Bureau These systems are introduced here by the author as examples of his system in the case of "acýlin", and as a plausible example in the case of "Decker".

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EN? (Internet forum thread in the "On Topic" Forum, "Number Bases" topic) http://z13.invisionfree.

ф 5 1 Þ ов 06·2·25 6: 6 IR 03·2·03 ν IR 03·2·03 F 8 8 8 3 ð 9: 9 Z l 74 T ов 02·1·18 x 7 % & X Y & 4 2 B ов 38·2·10 IR 03·2·03 DeVlieger Arqam: The first seven dozen argam. See Note Q. r 03·2·07 $+0 + \chi +18 +26 +34 +42$ 3 8 8 0 0 IR 03·2·0£ ላ 컨 る ов 2%⋅3⋅16 4 3 7 ट 2 $\boldsymbol{\varphi}$ Ψ 8 4 в 3‡∙1•04. L Δ 3 7 ов 02-1-16 6 **()**

Reference*

DB $01 \cdot 2 \cdot 22$

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Numerals for number bases much

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5 DB $4\chi \cdot 2$ Ŀ and Fi Ь DB 42·1 for more 7 in depth discussion ۲ and analysis Ъ ٤ Ь of dozenal Ø ¥ Ų 10 symbology. 4 11

σαφρο bology issues: 6 7 8 9 X Σ 9 4 9 Р 12 H Ł Р

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◄ Fig. 1. Studies of

the additive analog run

sequences of several

separate identity

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0 1 2

С 7  $S \lambda$ 5 M N 0 L 9 J N V W 2 2 2 4 7

Fig. 4. Some ideas for dozenal transdecimal digits. See Note W.

1 2 3 4 5 6 7 8 9 χ Σ 10 11 12 13 

Fig. 5 Seven-segment characters determined to be candidates for dozenal transdecimal digits. See Note H.

ELEVEN? (Internet forum thread in the "On Topic" Forum, "Number Bases" topic http://z13.invisionfree.com/DozensOnline/index.php?showtopic=11, entry by user "Twinbee" at 4:20 PM 6 August 2005.