DUODECIEAL

NEWSCAST

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The Duodecimal Society of Great Britain, 106, Leigham Court Drive, Leigh-cn-Sea, Essex.

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EDITORIAL

When we decided upon our provisional official numerals and their names, z for ten and ζ for eleven, we said that we hope that other schemes will continue to be developed. It is therefore apposite that this issue should contain articles dealing with two proposals and a summary of all those so far known to the Society. The Secretary will be pleased to know of any other schemes in existence.

In the next issue of the Newscast we shall publish the result of the Questionnaire on units of Circle, Time, Temperature, Weights and Money circulated to Members with the last Newscast. Will you please send it back with your opinion if you have not done so already. If anyone else would like to voice their opinion too, the Secretary will gladly send a copy of the Questionnaire to be completed.

Whatever the advantages and disadvantages should Britain join the Common Market, it will affect our work in that there will be an increased pressure to decimalize. This means that the Duodecimal Society of Great Britain must be strengthened — it is essential that we advertise ourselves more and that more Members join — so that we may turn any links with the Continent to our favour — to lead and not be misled. Every Member and friend must help.

DUODECILAL DAN

The South African Government, in order to popularise and explain their new decimal system, have launched a pop song, "Decimal Dan". The Duodecimal Society of Great Britain, just now in need of all the help it can get, might adopt the idea.

SOLO: Duodecimal Dan
Is a sensible man
He don't count in tens, oh no!
One, two, three, four, five, six, seven, eight -So far it's corny but, man, just wait,
There's nine, dek, el and do!

MASSED CHOIR (wonderingly): Do-o-o-o-o-o?

SOIO: Do-one, do-two and now your're away -Just keep on counting until you say
Elty-dek, elty-el, one gro!

CHOIR (triumphantly): Gro-o-o-o-o.

SOLO: The months in the year
Stay just as they were,
Inches and pence also.
Do shiny shillings make a tidy little pound.
Lop some yards off the mile and you're left with a round
Figure which we call ten gro.**

CHOIR: Ten gro-o-o-o-o-o.

SOLO: A quarter's .3 and a third's .4

(parlando: Man, jus' dig dat duodecimal point!)

And it ain't agwine to recur no more.

Which only goes to show

You must vote for dek, el, do.

CHOIR: (militantly): And gro-o-o-o-o.

* And if anyone at the AGM of the Duodecimal Society next Tuesday suggests "One Douzand" I hope he gets thrown sout.

PETER DICKINSON.

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NEU DUODICIMAL BOTATIONS ALD NAMES

Offprint No.7

The continued interest of members, expressed in correspondence with the Secretary, suggests that a list of all the schemes known to the Secretary would be useful. 'Duodocimal Newscast' January 1174 contained a list of all known proposals for ten and eleven only.

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A SET OF SYMBOLS TO FACILITATE THE MATHEMATICS AND PRACTICE OF DOZENS by R.J. Hinton

Offprint No.8

Note 1: This article does not necessarily reflect official attitudes of the Society and opinions expressed are the author's cym.

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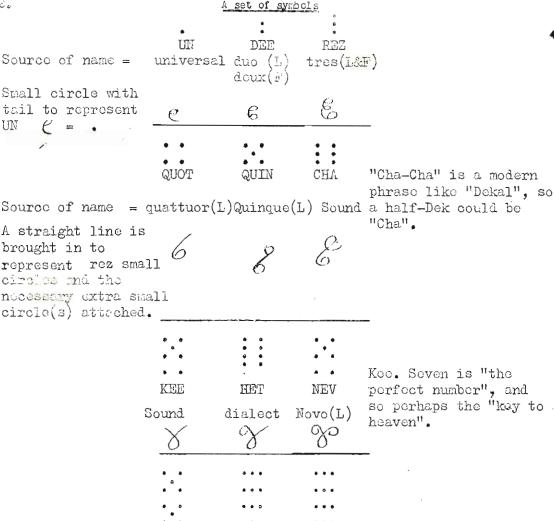
Please read this through from beginning to end, slowly and absorbently so that you may understand it thoroughly from the outset. It is quite sensible and legical.

This presents a NEW and original Set of Symbols, each new in name and design, to clearly distinguish them from arabics and to enable their unconfused use together. Moreover each symbol shows its value: and is clearly readable sideways or upside—down. They are easy to write: and are of worldwide international application because they can be taught by dot—picture and sound name by an instructor ignorant of the pupils' language: standard pronunciation could be taught from recordings.

The symbols were designed to combine the practical merits of the dozen with the mathematical facilities of arabics, zero and "place", and in as simple and systematic a way as seemed possible. They were thought-out with little previous knowledge of others' work on duodecimal, so it was found they clash a little over their name DEKALS. Nevertheless the author persists in the view that the name "decimal" and therefore "dek" more suggest the first use in a series of the zero with unity, than they do the amount \overline{X} . So again, will the reader set aside all prejudice while he reads quietly, orderly and receptively through this train of thought and reasoning, and then see if the many advantages outweigh this one matter ... and all other disadvantages.

It is considered best to go back to first principles and visually consider each name with the amount it represents, i.e. "think in the language" of "dots and new name" and thus open in the mind a fresh train of thought which can run clear and parallel with all previously acquired knowledge of numbers.

The names are single-syllable, short and snappy and as distinct from each other as devisable; meaningful where possible; and where not, with some "silly synonym" to fix them in the mind.



Now come the exceptions that "prove the rule":-

If NOW were "rez lines and un circle" it would be too like GAN so something else, to fit the name is used:

GAN

And UN is considered better to stand up straight and alone like "one" has always done:

DEK

These Dekal symbols were designed for cursive writing and should be Pr 6 6 61 31 8 8 8 8 18 18 18

n type, perhaps a "solid" could replace the "circle" c.g. [//

The whole series can be made up in the same way as decimals are:

 $L\Pi V$ ₽ 000 000 KENTFIL P 00 000 P 0 000 DEKPIL FIL P 000 = 1728 KENT 600 = 144DEK PO 12 = UN = 1 .? "point un" dekikenti-.00 "point naught un" fili-.00P dekfili-.000€ kontfili-90000p limi-.000000P

"Streng lime" by omitting plural "s".

' Accent "i-" as sound "i" (and NOT "e") to avoid confusion such as occurs with badly spoken decimals.

For the "Deks" "-ty" is added to the symbol name, starting at "un-" for consistency, although "-teen" could be used in these Islands to maintain tradition,

and followed by the "unit figure where required:-

u	nty un	unty	cha	Rezty k	ee	Bowty 19	gan			
	PP	P 1	₽	& X		₹ }	_			
unty	deety	rezty	quotty	quinty	chaty	keety	hetty	nevty	bowty	ganty
10	60	€0	60	80	80	Χn	80	900	90	110
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				600						

When the reader has written these symbols a few times while saying their names and seeing their values, the working of calculations will be quite easy to one who has coped with duodecimals by other symbols.

"Weights and measures etc." can also be tied together like the metric system. The author, endeavouring to be practical, takes the English "Yard" as the base, since it is a length which most people can judge as "an arm's length to the nose" (held at the necessary angle to suit the individual's reach). Whatever scientific "base" is taken, it is sure to be awkward for one reason or another, and sure to be found inaccurate by later measurements like the metre is. So let us use something arbitrary that has been found practical down through the ages, i.e. the 36 inch "yard".

₹.

Make single syllable names again e.g.

36" = ARD .. square ard = ARAL

3" = deki-ard .. cubic deki-ard = BOWD = HYNT

(.9331b) (15.57 fl.oz) of water @ 4°C about 4/5 pint.

= kenti-ard, .09 Ard

 $1/48^n = fili-ard, .007 Ard$ 1/12" = quot filiard, .00% Ard "2 thou" = a dekfiliard, .000f Ard.

For English money take the florin and call it a "Flor" and all our other coins can stay as useful fractions until worm out.

Blackbird need not be minted.

dek merle = un'iflor" = 2/-d.

dek flor = un''Gile'' = 24/-d.) the only "new" coins required and cha flor = half Gile= 12/-d.) they can be paper like £1 and 10/-d.

> $\frac{1}{2}d \cdot = 0$ Flor 2d. = .f " = a dekiflor
> 6d. = .f " = a quarter flor
> 1/-d. = .f " = a half flor
> 2/6d. = f.f "
> 10/-d. = quin f "
> £1 = bow f "

Conversion from Arabics to Dekals and vice versa can be "done in the head" below a gross (if you know your "twelve times!") e.g. 63 is 5 dozen and three, quinty rez of &

47 is one under 4 dozen, rezty gan & jf unty rezigis one dozen and three, 12 + 3 = 15keety quot %6 is 7 dozen and four, 84 + 4 = 88

hetty quot % is 8 dozen and four, 96 + 4 = 100 55 is 4 dozen and seven, quotty kee 6 X

A SUGGESTED SERIES OF MOTATION AND NAMES by D.A. Sparrow

Offprint No.9

First of all, the difficulties to overcome.

A system of new notation must be different from Roman and Arabic (or Hindu) numerals so that there can be no possibility of confusion, and yet be easy and fluent to write, suggest a quantity or amount immediately without undue consideration.

Where possible, a number is suggested by a point, angle or circle -- three points being shown by a straight line. In a "place" system, a zero is always necessary and this has been "O" for a long time. I see no reason for alteration. One has been a straight line for a long time; but this must be changed as .1 would no longer by the same quantity, that is it will change from 1/z to 1/10 -- also 11 could be two (Roman) or eleven (decinal). One angle (a point or circle is confusing) is necessary: Two would be points joined together As a line is not possible, we must have three points joined, and, in order to distinguish it from 3, put backward A line and a circle for four A line, angle, and point or circle for five Two lines, to be joined must make an angle Λ and so seven would be two lines and a circle Two lines, a circle and an angle could be Nine as three lines might confuse with other symbols, and therefore a point, a line, an angle, another line and a circle. Ten was rather awkward, but if we take the Roman figure joined together, it might be considered three lines with an angle in the middle Eleven can be considered either the Arabic figure joined together or three lines and two angles

For the names, we want some suggestion of quantity and yet sufficiently different from our present names to avoid confusion. Here, I think, those with better linguistic abilities than myself could probably offer better suggestions. The suggestion with derivation, if any, follow:

WE French for femining one.

DAU from dcuble.

E DRIZ

O QUOD quadrangle.

7 KIN

A TAN sixpence.

X SEN shortened Arabic seven.

GAN shortened gallon.

FOAR This cannot be spelt NONE (prenounced "known" for that could easily be confusing, although pronounced differently.

Me can only hope it will not confuse with Richard's ten!!

M LEV shortened Arabic eleven.

I thought this the best shortened form of Dozen I do not think we want any DOS (or Den'ts).

DUZ sounds like "does". DOZE is too lethargic or sleepy. Since reading "New Numbers", I see that Andrews suggests ZEN, which might be better in case semeone had a cold, and it was mistaken for X

I have never been in favour of "-teen" or "-ty"; or "-zeen" and "-zy" as this would be. In other words, having a perfectly good word for 0 let us make use of it in a proper manner i.e.

For 700 -- a gross. Why cannot 7000 be a ZENGROSS?

We could then reach 10 000 before thinking of a new name. As there are already many puns in the English language, one or two more will not hurt as long as they do not suggest a different quantity.

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V	5	Five	00 1	QUIN	New York	12	KIN	
IV	5 6 7	Six	8	CHA	1	/\	TAN	
VII	7	Seven	X	KEE		X'	SEN	
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IX	9	Wine	000		-	/ 2,	MAOM	
Χ.	10	Ton	4	BOM	A. Contraction		DIX	
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XXX	30	Thirty	100	UNTYNEV	all Services		ZENNOAN	It is unfortunate these are alike, the are "seventy" and "seventeen".
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L	50	Fifty	PH	UNTYGAN	1		ZENLEV	ting.
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De Findimal Newscast

OBITUARY -- Frederick John Binder

We have just heard of the sudden death last February of Mr. F. J. Binder at the age of #62.

Mr. Binder, a retired Givil Servant, joined our Society after reading a letter in 'The Times'. His dozenal interest was in practical everyday applications, and in this he was well qualified to speak, having a small business which he kept an eye on. He once said, "I have come into contact with people of all classes and it seems to me that over half the population do very little counting at all except to count their wages, their shopping items and their change — it's the pence in the shilling they are interested in rather than units and tens. Of the others, many are engaged in packing articles in dozens, half dozens and 'threes' and checking then."

He was also a keen member of the British-Israel World Federation and was well read in noral and religious matters. Here again, he took the practical, modern viewpoint, objecting to sectarian dognatisms, and willing to accede only to what could be defended by a reasonable interpretation of the Bible.

We sympathise with Mrs. Binder, to whom a letter of condolence has been sent.

Quotations from F. J. B I N D E R

A number of British Israelites have, for many years, been struck with the close association of the number 'twelve' with the customs and practices of the Anglo-Saxon peoples and have wondered whether it represented yet another item of evidence in support of their religious theory. This is that our race has been marked out by Providence in peculiar ways as distinct from all others, thus testifying to the old prophecies of Israel being a 'peculiar' people. The number 'twelve' represents the number of tribes from which it is claimed that our race has descended (mostly ten of them) and also an association with the twelve apostles, etc.

The attempt to get the old British florin adopted as some sort of unit for the decimal system of coinage by calling it "one tenth of a pound" by means of the Victorian 'godless florin' (with the words "Dei gratia" omitted) failed.

Year 3 No.2 Duodecinal Newscast 14. ERRATA to Duodecimal Newseast Year 3, No.1, May 1175 page 7 para 3 line 1 for for read far for both read bother 100 ell = 752810 table II for Views read Verse 12 line 4 delete Verse DUODECIMALS IMTHE BRITISH PRESS 'Duodecimal and Duodecimal' (Prof. Aitken) THE GUARDIAN 14 May correspondence 26 May Prof, Aitken's reply 23 June Letter BATH AND WILTS EVENING CHRONICLE (D. A. Sparrow) 15 June MEMBERSHIP New Younger Member G.R. Henderson c/o Meikle, 13 Argylc Place, Edinburgh, 9. Life Members D.A. Sparrow 1, Oclite Grove, Odd Down, Bath H.E. Hallwright "Lowlands", 4387 Majestic Drive, Victoria, B.C., Canada have changed from Ordinary Members to Life Members DUODECIMAL PUBLICATIONS, etc. The following publications are strongly recommended. All are available through the Society, packing and inland postage a penny in the shilling extra. Those marked of are available through shops. Logical Money, Weights and Measures free Duodecimal Leaflet free Duodecimal Newscasts for *1173 :6d for *1174 and 1175 1s;0d C.J. McMullen A Duodecimal Calendar (Offprint No.1) **\$6d** Summary of New Duodecimal Notations (Offprint No.2) ;2d ;6d (Offprint No.3) S. Ferguson A revised Currency (Offprint No.4) ;2d Duodecimal Metric Proposals Report of Duodecimal Summit Conference (Offprint No.5) ; 2d (Offprint No.6) ;2d S. Ferguson Measuring Our Way a few free F. Emerson Andrews An Excusion in Numbers Ekskurso en nombroj (in Esperanto) a few free Ralph H. Beard Antipatio al aritmetiko a few free øJ. Halcro Johnson The Reverse Notation 4s;0d øJean Essig Douze notre dix futur (in French) 13s:0d La Duodécimalité: Chimère ou vérité future 6s:6d Duodecimal Society of America Manual of the Dozen System 7s;6d The Duodecimal Bulletin 3s:6d Circular Slide Rule \$5 or £2:0:0 11