

Voice of the Dragon The Dragon St home concurs T

Since that date it has become the ybest setting home computer in its price bracket. There are now over if 40,000 Dragon seems in the United Kingdom and by the end of 1933. It fails figure is expected to exceed.

This represents an enormous number of Dragon enfrusisets around the country who are enjoying the power and versatility of the Dragon 32.

To help keep Dragon users informed of the very latest

developments in Dragon developments in Dragon technology, including the introduction of new pergherals, the latest on software relineases and even the development of new Dragon computers, an official newslatter will be sent directly to

Dragon 32 owners, the newelest will be used to create a forum to articles on the many facets of programming the Dragon.

If you would like to committee

using the Dragon 32 then please write enclosing details to: The Editor, The Navvalettes, clo Dragon Data Ltd., Kenfig Industriel Esiste, Margam, Port Talbot, West

Submission of Programs
All program suggestions should enclose a program listing and a lefter explaining its basic.

cognition Disagon Data Ltd.

Dragon Data Ltd.

Dragon Users

The newsletter will also report number

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the control of the control o

inter place Screen lined and number lines in multiples of 92.

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The Drapper Users Club Drapp express clears that maximum enjoyment and benefit town their Drapper 32, the Joseph 92.

The Drapper Users Club Drapp express clears that produces the highly successful produces the highly su

of a Current plans include the introduction of a disk drive for the introduction of a disk drive for the Dragon 32, scheduled to appear o data on the market in April.

For the latest news on software in users, plans and for an up to date list of

Details of how to acry for crebening of the Dragon 25 see the tack pages of the most page of the Dragon 25 see the tack pages of the most page of the Dragon Users

Cassette Loading

Cassette loading and saving with the Dragon is generall traight forward but problems may be encountered with so utermatic Level Controls on cassette recorders.

cogularly.

Ersure that plastic tape header has been passed before saving
I If I/O errors are obtained and television is very close to Dragon
move Diagon further away from the television.

If problems still occur by removing input lead (MC) whilst loading and output lead (EAP) whilst saving.
 The problems caused by some Automatic Recording levels.

be cured by using the following command (Put Motor on first) SOUND 120, 25: FOR N = 1 TO 100: NEXT C: SAVE "Program Name"

rograms





TYPING GAME This is a little program to help you find your way around TYPES SAME 2 MAYS PLANSON, 1982

WIFOR - XTOS BUFY - YTHENSTOP KIONX GOTO 1.2.3

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10 D.S. PRINT IN THE TYPING CAME! PRINT TO A R SO FOR \$ = 1 TO SO C = \$100,750 + 50; TARRY = \$ AN PROPERTY OF THE TARRY OF LETTERS " COMMENT PROPERTY SOURCE SON, N SECRET BUTTOFFINGER I PRINCEY'S SECS. 95 PRINT' BUTTERFORD THE RESIDENCE OF THE PARTY OF T 129 PRINT "REACTION TIME: "INT (U.S. 1 1000) / 1000 | 51

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188 T2 = 2 CLS: FDR: = 1 TO 1982 NOT

WHAT ARE HEXADECIMAL NUMBERS? At the benefit of your Farence is a

0.1.2.3.4.5.6.7.8.9. A (for 10), B (for 11), C (for 12), D (for 13)

\$6.00 A = 1.00 F000 \$6.00 A = 1.00 A = 1.00 F000 \$6.00 A = 1.00 A = 1.0 THE REAL PROPERTY AS A PROPERTY OF

MACHINE CODE CORNER

of an "imagement", and the residency languages belief time when for a Chappe So F you werk by your restructions on production code, they will be carried out feature. In an access of success, you will be also to do Prings which are not possible in success you will be also to do Prings which are not possible in the success of M. first sight, machiner code dozen't look much like a longuage of 46. If his nor words — you are success or you map of 46. If his nor words — you first the success of your production of of y

programpy or on. It has no Aproba — just a serious of humbers or young his high less between D and 255 of botal and program becomes serverents on instruction, or paint of an instruction. The Anapon electronis hose instructions in redisk or in much rive (Anapon electronis hose instructions in redisk or in much rive (Anapon electronis hose instructions in redisk or in much rive (Anapon electronis hose instructions in redisk or in much rive (Anapon electronis hose instructions in redisk or in much rive (Anapon electronis hose instructions in redisk or in much rive (Anapon electronis hose instructions in redisk or in much rive (Anapon electronis hose instructions in redisk or in much rive (Anapon electronis hose in river in a much river (Anapon electronis hose in river in a much river (Anapon electronis hose in river in a much river (Anapon electronis hose in river in a much river (Anapon electronis hose in river in a much river (Anapon electronis hose in river in a much river (Anapon electronis hose in river in a much river (Anapon electronis hose in river in a much river (Anapon electronis hose in river in a much river (Anapon electronis hose in river in a much river (Anapon electronis hose in river in a much river (Anapon electronis hose in river in a much river in a

to programs, by running the 13 FOR L = 46080 TO 46147

Then to find out what this machine code program does, type

DECEMBER OF THE STATE OF THE ST

most tough them in MM (Insulan Accesses Memory). An deviewen occurs addresses of an ESET from an OTHER has been can be ablessed using the ESET command, but own them are used by the system for a growth acquisition. Of them are used by the system for a growth acquisition of which in the Tiest Excess Memory. Againly shoot accelerate which in the Tiest Excess Memory. Againly shoot accelerate contract characters to appear on the 4th Excess. A poor place to localize machine code program is in it prepare EMM accessors say 2000 2017 in one to the region can be in procedured from EMEC using the CLEAR command the assessment way to make a more code by the years.

hors Chapot Nata Limited. An assembler is essential expenses to writing anything but the simplest machine code sudiner.

The following is an example of a simple program to fill the first forces with the character whose ASCE code is stored at the highest PAM address have XTFT).

1 LDA STEF (LOADA) 180,127,2 2 LDX \$400 (LOADX) 142, 4, 3 LDOSP STA X+ (Blooks) 197,128 4 CMPX \$600 (CompareX) 140, 6, bytes when translated into machine code. The whole program becomes 192 IST 255 142 4 0 167 128 140 6 0 36 249 57 To load this program, without using an assembler, y must write a short (1845C program.

all write a short BASIC program; 10-CLEAR 200,2000 20-FGH = Z TO 18 READ J. PORZ I + 32008, J. NEXT I 9-04FA 192 (27,55) 162 A5 (67,102 193 A5 A5 A5 A5 A5

This will "PCRC" the reaction code disorby too be energy stating of 10000, howing that procedure they are with the CLEMF command. Before running, it is used to che every constitute that have been cognited connectly. Linke IASS programs, reactions code routines will not return occare to powerful millions code routines will not return occare to powerful millions. The code routines will not return occare to powerful millions.

to method off and seath again, but don't every — plou don't serringer your England, no involved your style you find it emerged to the seath of the seath of the seath of the seath of the emerged in seath of the seath of the seath of the seath of the programs. If it is tree to see what it cannot be it is best for you all programs. If it is tree to see what it cannot be it is best for you it will be the control of a MASES program, such as the following HI CLEAR 200,20000 CLE. 22 XEL—MESTER PLAN - "I THEN 20

AS DECEMBER, OR TO 28

That this program, and by pressing different laws the second recommendation of t

and sun this oney programs. The dymbol sinys will now give a "system entor", but the letter kept of the uses — in neverse across.

How replace lines ID with as POREXITY.ASCORP. + 18! The result is an intervaling display of graphics. If you would like it is never your matchine code on tape, the dymand size who CONTENT SOCIETY. ASSOC 2021(4):5.

SOPEEN can be replaced by any filename you choose, the first two numbers are the addresses of the beginning and end of the reaching code, and the third number is the difference between them. At of the parameters are recogning. The marking more may may be loaded from two sources.



1 Hitte and Seek 2 Number Puzzles

3 Number Guiper

To descend you will require the tamp. To switch the tamp on On the foor where the must voorn is to be found, you stand

SOFTWARE AVAILABLE

FOR THE DRAGON 32 A DETR. EL DAMELERO

A 0500 BRAGEN SELECTION ONE A 9100 BERSER A challenging sheeting game

A.0502 GUEST Adventure game in a medieval

A COSCO MACAGERY AND A 0504 PERSONAL FRANCE A GYOR COSMIC INVASERS Dragon version of the femous

A 6566 COMPUTAVOICE

A DOOR CHAMPLES FROM

CANDELL PRO

A PERK CALLETT ISLAND An advertise game, Return the A 6589 BLACK SANTTIM

An otherwise same Defeat the

A 9514 FLAS Race your opponent through a