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DEMOnstration programs FOR THE PDP-8

FRAN THE BARMAID

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When loaded under control of the FOCAL system, FRAN THE BARMAID is started by typing GO, and then she types out a recipe for a cocktail, using random numbers to choose ingredients and to specify quantities of each.

After FRAN THE BARMAID has invented a new potable she types out NAME YOUR POISON, giving the operator an opportunity to bestow a name on the new invention. Normally, typing in a name will result in error messages from the FOCAL system, but this should not matter.

Typing in GO again will elicit another recipe from FRAN THE BARMAID, and so on, ad infinitum. Since her concoctions have turned out often to be far from inspired, I would recommend keeping her at it until she comes up with one of her rare recipes that is pure gold. Research directed towards identifying such recipes might well prove rewarding.

Occasionally FRAN THE BARMAID develops the disorder of coming up with 203.79 instead of NAME YOUR POISON. We've diagnosed this as symptomatic of Congestive Bufferitis, which can be cured by restarting at 2216.

If you do not like FRAN THE BARMAID's current list of ingredients, they can be changed easily. When working with a 4K machine, there is only enough room in memory for 20 ingredients, but you can choose any 20 that you have currently in your liquor cabinet.

The following is a listing of FRAN THE BARMAID, together with some sample recipes.
"FRAN THE BARMMAID OFFERS!!"

```
1.31 T "IF FRAN THE BARMMAID OFFERS!!"
1.32 S 1=3

10.41 S V=(1+TI1-11*FAHS(FRAN))/6
10.42 S T=T-V
10.43 I (1)^2,84,2,35,2,36
10.44 S V=T+V
10.45 S D 3,4,1D 4,5
10.46 S D 3,4,1D 2,1

13.31 S A=29*FAHS(FRAN)
13.32 I (A+1)3,931T 23.3P,1V," OZ. SCOTCH";R
13.33 I (A+2)3,941T 23.3P,1V," OZ. CANADIAN CLUB";IP
13.34 I (A+3)3,951T 23.3P,1V," OZ. BOURBON";IR
13.35 I (A+4)3,961T 23.3P,1V," OZ. GIN";IR
13.36 I (A+5)3,971T 23.3P,1V," OZ. APPLEJACK";IR
13.37 I (A+6)3,981T 23.3P,1V," OZ. RUM";IR
13.38 I (A+7)3,991T 23.3P,1V," OZ. DRY VERMOUTH";IR
13.39 I (A+8)3,101T 23.3P,1V," OZ. LEMON JUICE";IR
13.40 I (A+9)3,111T 23.3P,1V," OZ. BENEDETINE";IR
13.41 I (A+10)3,121T 23.3P,1V," OZ. CHERRY BRANDY";IR
13.42 I (A+11)3,131T 23.3P,1V," OZ. MARASCHINO";IR
13.43 I (A+12)3,141T 23.3P,1V," TSP. ANGOSTURA BITTERS";IR
13.44 I (A+13)3,151T 23.3P,1V," TSP. ORANGE BITTERS";IR
13.45 I (A+14)3,161T 23.3P,1V," OZ. PARFAIT AMOUR";IR
13.46 I (A+15)3,171T 23.3P,1V," OZ. Cointreau";IP
13.48 I (A+17)3,191T 23.3P,1V," OZ. CLUB SODA";IR
13.49 I (A+18)3,201T 23.3P,1V," OZ. BRANDY";IP
13.50 I (A+19)3,211T 23.3P,1V," OZ. CREME DE CASSIS";IP
13.51 T %3.0P,1V," OZ. LIME JUICE"!
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"FRAN THE BARMMAID OFFERS"

```
=+9.67 OZ. LEMON JUICE
=+1.50 OZ. BRANDY
=+9.63 OZ. LEMON JUICE
NAME YOUR POISON:
:DOUBLE *SOUR
?34.18

"FRAN THE BARMMAID OFFERS"

```
=+0.67 TSP. ANGOSTURA BITTERS
=+9.17 OZ. RUM
=+0.17 TSP. ANGOSTURA BITTERS
=+9.67 OZ. CLUB SODA
=+1.33 OZ. RUM
NAME YOUR POISON:
:DOUBLE *BITTER
?32.29

*6
FRAN THE BARMAID OFFERS

+=1.33 OZ. CANADIAN CLUB
+=0.67 TSP. ORANGE BITTERS
+=2 OZ. Rye POISON
+=2 OZ. APPLE GROVES IN CANADA
?0.87 80

FRAN THE BARMAID OFFERS

+=1.33 OZ. SCOTCH
+=1.59 OZ. CLUB SODA
+=0.17 OZ. BRANDY
NAME YOUR POISON
=PSYCHEDELICIOUS
?0.28 80

FRAN THE BARMAID OFFERS

+=0.50 OZ. CHERRY BRANDY
+=1.17 OZ. BRANDY
+=0.50 OZ. CHERRY BRANDY
+=0.17 OZ. BRANDY
+=1.50 OZ. APRICOT BRANDY
+=1.17 OZ. APRICOT BRANDY
NAME YOUR POISON
DON'T TELL ME THAT, FRAN?
?04.13

FRAN THE BARMAID OFFERS

+=1.17 OZ. DRY Vermouth
+=0.67 OZ. DRY Vermouth
+=0.67 OZ. APRICOT BRANDY
+=0.50 OZ. DRY Vermouth
NAME YOUR POISON
=DUSTSTORM
80

FRAN THE BARMAID OFFERS

+=0.50 OZ. GIN
+=0.50 OZ. BOURBON
+=0.50 OZ. WHISKY
+=0.50 OZ. GIN
+=1.20 OZ. APPLEJACK
NAME YOUR POISON
=NOT *A CHANCE
80
80
FRAN THE BARMWAID OFFERS

=+1.67 OZ. CANADIAN CLUB
=+1.23 OZ. CANADIAN CLUB
=+2.67 OZ. DRY VERMOUTH
=+3.83 OZ. GIN
NAME YOUR POISON
TAKE *IT BACK, FRAN!
*4.1*
*