

HP-41C Communications Package XFER by Charles Christenson  
PPC Calculator Journal Volume 10 Number 2 Pg 20 Mar, 1983  
Programs require Extended Functions/Memory & HPIL Modules

```
01 LBL "XFER" ;Communications Package Transfer Program
02 CF 00
03 CF 01
04 XROM 28,29 ;INA
05 XROM 28,30 ;IND
06 XROM 25,46 ;X<>F
07 XROM 28,30 ;IND
08 STO 00
09 FS? 00
10 GTO 00
11 0
12 XROM 25,43 ;SEEKPTA
13 SF 25
14 FS? 01
15 GTO "OA" ;Output Alpha Program (Line 1)
16 GTO "OD" ;Output Decimal Program (Line 1)
17 LBL 00
18 FS? 01
19 GTO "IA" ;Input Alpha Program (Line 1)
20 GTO "ID" ;Input Decimal Program (Line 1)
21 END
```

0036C000F50058464552A900A901A71DA71EA66EA71E30AC00  
B10010A66BA819AC011DF24F411DF24F4401AC011DF249411D  
F24944C0000DE2

54 BYTES

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```
01 LBL "OD" ;Output Decimal Program
02 LBL 00
03 XROM 25,23 ;GETX
04 CLA
05 ARCL X
06 XROM 28,35 ;OUTA
07 DSE 00
08 GTO 00
09 END
```

0015C000F3004F4401A657879B73A7239700B100C0000DCD

21 BYTES

HP-41C Communications Package OA by Charles Christenson  
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```
01 LBL "OA" ;Output Alpha Program
02 LBL 00
03 XROM 25,20 ;GETREC
04 FC? 25
05 GTO 01
06 XROM 28,35 ;OUTA
07 FS? 17
08 GTO 00
09 DSE 00
10 GTO 00
11 LBL 01
12 END
```

001BC000F3004F4101A654AD19B200A723AC11B1009700B100  
02C0000D20

27 BYTES

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```
01 LBL "ID"      ;Input Decimal Program
02 XROM 25,11    ;CRFLD
03 LBL 00
04 XROM 28,30    ;IND
05 XROM 25,41    ;SAVEX
06 DSE 00
07 GTO 00
08 END          ;20 BYTES
```

0014C000F3004944A64B01A71EA6699700B100C0000D2F

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```
01 LBL "IA"      ;Input Alpha Program
02 XROM 28,30    ;IND
03 STO 02
04 24
05 /
06 INT
07 X<> 02
08 LASTX
09 FRC
10 X=0?
11 GTO 05
12 1
13 ST+ 02
14 RDN
15 RDN
16 LBL 05
17 1
18 +
19 RCL 00
20 *
21 7
22 /
23 1
24 +
25 INT
26 XROM 25,10    ;CRFLAS
27 LBL 00
28 RCL 02
29 STO 01
30 XROM 28,29    ;INA
31 3
32 XROM 25,28    ;POSA
33 X<0?
34 GTO 01
35 GTO 04
36 LBL 01
37 XROM 25,04    ;APPREC
38 GTO 03
39 LBL 02
40 XROM 28,29    ;INA
41 XROM 25,03    ;APPCHR
42 LBL 03
43 DSE 01
44 GTO 01
45 DSE 00
46 GTO 00
47 LBL 04
48 END          ;152 BYTES
```

0049C000F3004941A71E3212144368CE02766967B600119202  
757506114020421743114068A64A012231A71D13A65C66B200  
B50002A644B40003A71DA643049701B2009700B10005C0000D  
17

HP-80 Communications Package by Charles Christenson  
PPC Calculator Journal Vol 10 No 2 Page 20 Mar 1983  
Program used for HP-82938 series 80 HP-IL interface  
No compiled code or bar code included, only source.

```
1 !      ***  HP 41C COMMUNICATIONS PACKAGE  ***
2 !          Charles Christenson (9567)
3 !          February 1983
4 !
5 ! Transfers files between HP 41C Extended Memory
6 ! and Series 80 mass storage using the HP-IL System.
7 CLEAR
8 DISP "XEQ XFER on HP 41C"
9 DISP "Source file name";
10 INPUT F$
11 OUTPUT 9 USING "K" ; F$ ! Send source file name to HP 41
12 DISP "Location of source file (HP 41 = 0, Series 80 = 1)";
13 INPUT F0
14 DISP "Type of file (numeric = 0, string = 1)";
15 INPUT F1
16 F=2*F1+F0 ! Binary to decimal conversion of case code
17 OUTPUT 9 ;F ! Send case code to HP 41
18 DISP "Number of records in file";
19 INPUT R
20 OUTPUT 9 ;R ! Send number of records to HP 41
21 IF F1=0 THEN L=10 @ GOTO 25
22 DIM A$(256)
23 DISP "Number of bytes per record";
24 INPUT L
25 IF F0=0 THEN CREATE F$,R,L ! Create Series 80 file
26 ASSIGN# 1 TO F$
27 CLEAR
28 IF F=0 THEN ID
29 IF F=1 THEN OD
30 IF F=2 THEN IA
31 IF F=3 THEN OA
32 ID: FOR I=1 TO R ! Routine to input numeric data
33 ENTER 9 ; X
34 PRINT# 1 ; X
35 DISP "Register ";I;"=" ;X
36 NEXT I
37 GOTO 59
38 OD: FOR I=1 TO R ! Routine to output numeric data
39 READ# 1 ; X
40 OUTPUT 9 ;X
41 DISP "Register ";I;"=" ;X
42 NEXT I
43 GOTO 59
44 IA: FOR I=1 TO R ! Routine to input string data
45 ENTER 9 USING "K" ; A$
46 PRINT# 1 ; A$
47 DISP A$
48 NEXT I
49 GOTO 59
50 OA: OUTPUT 9 ;L ! Routine to output string data
51 FOR I=1 TO R
52 READ# 1 ; A$
53 ON ERROR GOTO 58
54 OUTPUT 9 USING "K" ; A$
55 DISP A$
56 NEXT I
57 GOTO 59
58 OUTPUT 9 ;CHR$(3)
59 ASSIGN# 1 TO * ! Close file
60 DISP "Done."
61 END
```

# HP-41C Comm. Pkg. XFER by Charles Christenson PPC V10 N2 P20 Mar 1983

Program Registers Needed: 8

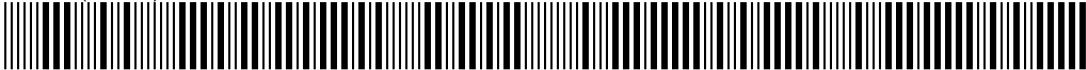
Row 1 (1 - 4)



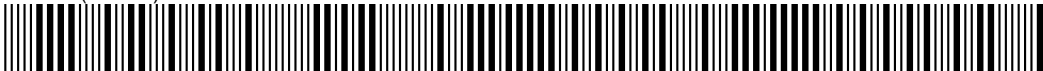
Row 2 (4 - 11)



Row 3 (12 - 16)



Row 4 (16 - 21)



Row 5 (21)



# HP-41C Comm. Pkg. OD by Charles Christenson PPC V10 N2 P20 Mar 1983

Program Registers Needed: 3

Row 1 (1 - 6)



Row 2 (6 - 9)



# HP-41C Comm. Pkg. OA by Charles Christenson PPC V10 N2 P20 Mar 1983

Program Registers Needed: 4

Row 1 (1 - 5)



Row 2 (6 - 12)



Row 3 (12)



# HP-41C Comm. Pkg. ID by Charles Christenson PPC V10 N2 P20 Mar 1983

Program Registers Needed: 3

Row 1 (1 - 5)



Row 2 (6 - 8)



# HP-41C Comm. Pkg. IA by Charles Christenson PPC V10 N2 P20 Mar 1983

Program Registers Needed: 11

Row 1 (1 - 6)



Row 2 (7 - 16)



Row 3 (17 - 28)



Row 4 (29 - 37)



Row 5 (37 - 44)



Row 6 (45 - 48)

