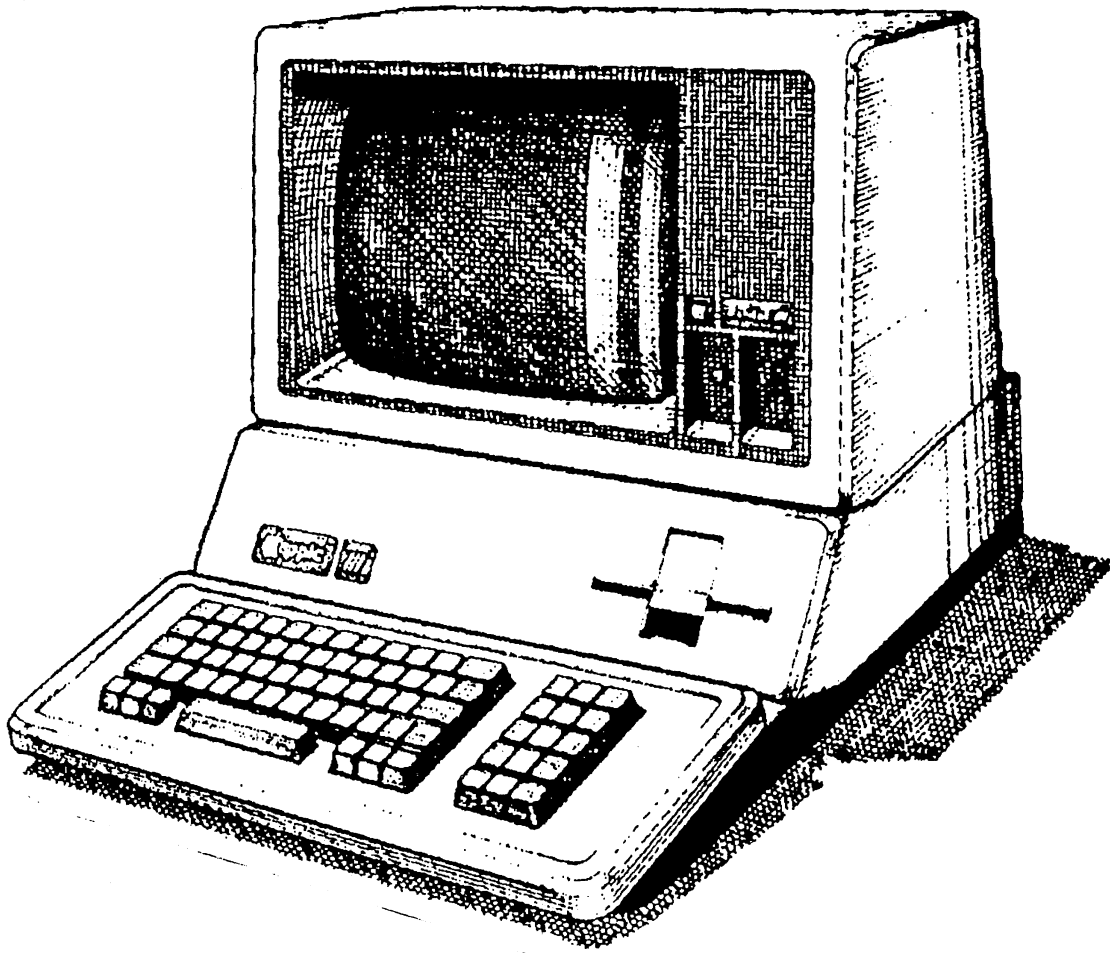




Apple /// Computer Information



DOCUMENT NAME	#
APPLE /// DISASSEMBLER Call APPLE	AndyWells Oct 1981 130

Ex Libris David T. Craig

Apple /// Disassembler

5 pages

By Andy Wells

```

:ASM
2 *
3 * APPLE /// DISASSEMBLER *
4 *
5 * BY ANDY WELLS *
6 * Modified from Apple II dism *
7 *
8 * CALL -A.P.P.L.E. * OCT. 1981 *
9 *
11 *
12 * This program will replace *
13 * the Apple II monitor L com- *
14 * mand in the Apple ///. Type *
15 * in the data while in the em- *
16 * ulator and BSAVE it on a 3.3 *
17 * disk. To reload go into the *
18 * emulator and BRUN this pro- *
19 * gram, then enter the Apple *
20 * /// monitor by pressing the *
21 * Open Apple, Ctrl, and Reset *
22 * keys. Use this disassembler *
23 * just like the Apple II dis- *
24 * assembler, substituting the *
25 * U key for the L command. *
26 *
27 * See Apple II Ref. Manual *
28 * for comments to source. *
29 *
31 *
32 *
33 *
34 LMNEM EQU $54
35 RMNEM EQU $55
36 FORMAT EQU $56
37 LENGTH EQU $57
38 PCL EQU $72
39 PCH EQU $73
40 USRADR EQU $3F8
41 A1PC EQU $F9D6
42 PRBYTE EQU $F9AE
43 SAVOUT EQU $FC39
44 CHKKBD EQU $FCEB
45 *
46 *
47 * ORG $9000
48 *
49 *
9000: A9 4C 50 START LDA #$4C
9002: 8D F8 03 51 STA USRADR
9005: A9 10 52 LDA <LIST
9007: 8D F9 03 53 STA USRADR+1
900A: A9 90 54 LDA >LIST
900C: 8D FA 03 55 STA USRADR+2
900F: 60 56 RTS
57 *
9010: 20 D6 F9 58 LIST JSR A1PC
9013: A9 14 59 LDA #$14
9015: 48 60 LIST2 PHA
9016: 20 7D 90 61 JSR INSDSP
9019: 20 00 91 62 JSR PCADJ
    
```

APPLE /// DISASSEMBLER

A.P.P.L.E.

ANNOUNCES
TWO NEW PRODUCTS:

Soft Seventy

by Gene Hite

AVAILABLE ABOUT 11/1/81

- 70 Column hi-res video display with two character sets
- Ideal for charts, graphic displays
- Direct lower case entry
- Transparent to the user
requires B/W T.V. or monitor

MEMBERS INTRODUCTORY PRICE

\$18.50

Overseas shipping weight: 2.5 oz.

A.P.P.L.E. Applesoft Carpenter

by Wayne Eastwood

AVAILABLE LATE NOVEMBER

- LISTER: a program list formatter
- COMPARER: compares two programs
- CRUNCHER: compacts programs
- CONVERTER: converts Integer to Applesoft

Fast machine language routines

MEMBERS INTRODUCTORY PRICE

\$16.50

Overseas shipping weight: 1.5 oz.

OCTOBER SPECIAL

both for: **\$33.50**

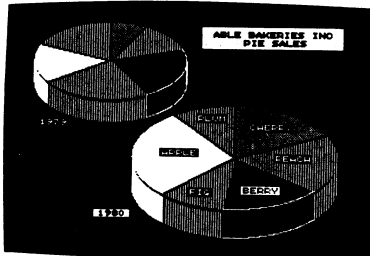
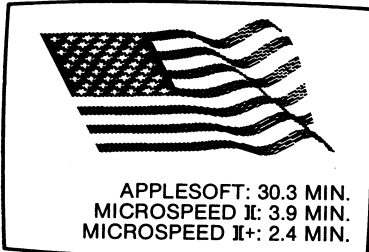
A.P.P.L.E. ORDERS
304 Main Ave. S., Suite 300
Renton, WA 98055
(206) 271-4514

All items must be phone ordered by or postmarked by 11/30/81 for special price.

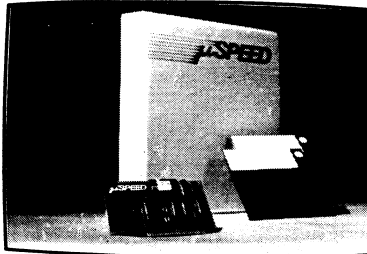
*Applesoft is a registered trademark of Apple Computer, Inc.

901C:	85	72	63		STA	PCL
901E:	84	73	64		STY	PCH
9020:	68		65		FLA	
9021:	38		66		SEC	
9022:	E9	01	67		SBC	##01
9024:	D0	EF	68		BNE	LIST2
9026:	4C	EF	69		JMP	CHKKBD
			70			
9029:	90	04	71	*	SCRN2	BCC RTMSKZ
902B:	4A		72		LSR	
902C:	4A		73		LSR	
902D:	4A		74		LSR	
902E:	4A		75		LSR	
902F:	29	0F	76	RTMSKZ	AND	##0F
9031:	60		77		RTS	
			78			
9032:	A6	72	79	*	INSDS1	LDX PCL
9034:	A4	73	80		LDY	PCH
9036:	20	0F	91	81	JSR	PRYX2
9039:	20	F5	90	82	JSR	PRBLNK
903C:	A1	72	83	INSDS2	LDA	(PCL, X)
903E:	A8		84		TAY	
903F:	4A		85		LSR	
9040:	90	09	86		BCC	IEVEN
9042:	6A		87		ROR	
9043:	B0	10	88		BCS	ERR
9045:	C9	A2	89		CMP	##A2
9047:	F0	0C	90		BEQ	ERR
9049:	29	87	91		AND	##87
904B:	4A		92	IEVEN	LSR	
904C:	AA		93		TAX	
904D:	BD	1C	91	94	LDA	FMT1, X
9050:	20	29	90	95	JSR	SCRN2
9053:	D0	04	96		BNE	GETFMT
9055:	A0	80	97	ERR	LDY	##80
9057:	A9	00	98		LDA	##00
9059:	AA		99	GETFMT	TAX	
905A:	BD	60	91	100	LDA	FMT2, X
905D:	85	56	101		STA	FORMAT
905F:	29	03	102		AND	##03
9061:	85	57	103		STA	LENGTH
9063:	98		104		TYA	
9064:	29	8F	105		AND	##8F
9066:	AA		106		TAX	
9067:	98		107		TYA	
9068:	A0	03	108		LDY	##03
906A:	E0	8A	109		CPY	##8A
906C:	F0	0B	110		BEQ	MNNDX3
906E:	4A		111	MNNDX1	LSR	
906F:	90	08	112		BCC	MNNDX3
9071:	4A		113		LSR	
9072:	4A		114	MNNDX2	LSR	
9073:	09	20	115		ORA	##20
9075:	88		116		DEY	
9076:	D0	FA	117		BNE	MNNDX2
9078:	C8		118		INY	
9079:	88		119	MNNDX3	DEY	
907A:	D0	F2	120		BNE	MNNDX1
907C:	60		121		RTS	
			122	*		
907D:	20	32	90	123	INSDSP	JSR INSDS1
9080:	48		124		PHA	
9081:	B1	72	125	PRNTOP	LDA	(PCL), Y
9083:	20	AE	F9	126	JSR	PRBYTE
9086:	A2	01	127		LDX	##01
9088:	20	F7	90	128	PRNTBL	JSR PRBL2
908B:	C4	57	129		CPY	LENGTH
908D:	C8		130		INY	
908E:	90	F1	131		BCC	PRNTOP
9090:	A2	03	132		LDX	##03
9092:	C0	04	133		CPY	##04
9094:	90	F2	134		BCC	PRNTBL
9096:	68		135		FLA	
9097:	A8		136		TAY	
9098:	B9	7A	91	137	LDA	MNEML, Y

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 II SPEED II+ *645. Detailed Information

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APPLE /// DISASSEMBLER

911C:	04	20	54				
911F:	30	0D	80				
9122:	04	90		209	FMT1	HEX	0420,5430,0D80,0490
9124:	03	22	54				
9127:	33	0D	80				
912A:	04	90		210		HEX	0322,5433,0D80,0490
912C:	04	20	54				
912F:	33	0D	80				
9132:	04	90		211		HEX	0420,5433,0D80,0490
9134:	04	20	54				
9137:	3B	0D	80				
913A:	04	90		212		HEX	0420,543B,0D80,0490
913C:	00	22	44				
913F:	33	0D	C8				
9142:	44	00		213		HEX	0022,4433,0DC8,4400
9144:	11	22	44				
9147:	33	0D	C8				
914A:	44	A9		214		HEX	1122,4433,0DC8,44A9
914C:	01	22	44				
914F:	33	0D	80				
9152:	04	90		215		HEX	0122,4433,0D80,0490
9154:	01	22	44				
9157:	33	0D	80				
915A:	04	90		216		HEX	0122,4433,0D80,0490
915C:	26	31	87				
915F:	9A			217		HEX	2631,879A
				218	*		
9160:	00	21	81				
9163:	82	00	00				
9166:	59	4D		219	FMT2	HEX	0021,8182,0000,594D
9168:	91	92	86				
916B:	4A	85	9D	220		HEX	9192,864A,859D
				221	*		
916E:	AC	A9	AC				
9171:	A3	A8	A4	222	CHAR1	HEX	ACA9,ACA3,A8A4
				223	*		
9174:	D9	00	D8				
9177:	A4	A4	80	224	CHAR2	HEX	D900,D8A4,A400
				225	*		
917A:	1C	8A	1C				
917D:	23	5D	8B				
9180:	1B	A1		226	MNEML	HEX	1C8A,1C23,5D8B,1BA1
9182:	9D	8A	1D				
9185:	23	9D	8B				
9188:	1D	A1		227		HEX	9D8A,1D23,9D8B,1DA1
918A:	00	29	19				
918D:	AE	69	A8				
9190:	19	23		228		HEX	0029,19AE,69A8,1923
9192:	24	53	1B				
9195:	23	24	53				
9198:	19	A1		229		HEX	2453,1B23,2453,19A1
919A:	00	1A	5B				
919D:	5B	A5	69				
91A0:	24	24		230		HEX	001A,5B5B,A569,2424
91A2:	AE	AE	A8				
91A5:	AD	29	00				
91A8:	7C	00		231		HEX	AEAE,A8AD,2900,7C00
91AA:	15	9C	6D				
91AD:	9C	A5	69				
91B0:	29	53		232		HEX	159C,6D9C,A569,2953
91B2:	84	13	34				
91B5:	11	A5	69				
91B8:	23	A0		233		HEX	8413,3411,A569,23A0
				234	*		
91BA:	DB	62	5A				
91BD:	48	26	62				
91C0:	94	88		235	MNEMR	HEX	D862,5A48,2662,9488
91C2:	54	44	C8				
91C5:	54	68	44				
91C8:	E8	94		236		HEX	5444,C854,6844,E894
91CA:	00	B4	08				
91CD:	84	74	B4				
91D0:	28	6E		237		HEX	00B4,0884,74B4,286E

APPLE /// DISASSEMBLER

```

91D2: 74 F4 CC
91D5: 4A 72 F2
91D8: A4 8A 238      HEX 74F4,CC4A,72F2,A48A
91DA: 00 AA A2
91DD: A2 74 74
91E0: 74 72 239      HEX 00AA,A2A2,7474,7472
91E2: 44 68 B2
91E5: 32 B2 00
91E8: 22 00 240      HEX 4468,B232,B200,2200
91EA: 1A 1A 26
91ED: 26 72 72
91F0: 88 C8 241      HEX 1A1A,2626,7272,88C8
91F2: C4 CA 26
91F5: 48 44 44
91F8: A2 C8 242      HEX C4CA,2648,4444,A2C8
    
```

--END ASSEMBLY--

ERRORS: 0

506 BYTES

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