

Autostart von KUNST AUS CHINA

kommentiert vom 31.03.93 bis 01.04.93; 26.08.1984

wirklicher Start: 0326

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C326 BA } Neuer Output-Vektor $03BA
C327 03 }
C328 ED F6 3E 8BC $3EF6
C32B F1 25 } alter STOP-Vektor $F6ED
C32D F3 } alter GET-Vektor
C32E 00 } alter CALL-Vektor
C32F 00 } Warnungstart-Vektor!
C330 A5 F4 }
C332 ED F3 } M SBC $4DF5 LOAD-Vektor
C335 00 AND $0045 SAVE-Vektor
C338 06 M ? ASL $4D
C33A 00 AND $0057
C33D 06 20 ASL $20 Floppy-Texte
C33F 53 ???
C340 54 ???
C341 41 52 EDR ($52, X) "
C343 54 ???
C344 45 52 EDR $52
C346 00 BRK
C347 00 BRK
C348 00 BRK
C349 00 BRK
C34A 00 BRK
C34B 00 BRK
C34C 00 BRK
C34D 00 BRK
C34E 00 JSR von BRK C408, C411
C34F 48 PMA retten
C350 A9 2A LDA ##2A sicherheitshalber
C352 20 C3 FF JSR $FFC3 CLOSE $2A
C355 68 PLA zurückholen
C356 A8 TAY nach Y
C357 A9 2A LDA ##2A $2A, Lfu
C359 A2 0B LDX ##0B Floppy
C35B 20 BA FF JSR $FFBA FILPAR
C35E 4C C0 FF JMP $FFC0 OPEN
C361 JSR von C3C4 LDY ##37
C363 98 TYA = $57
C364 TA TAX = $37
C365 15 CLC
C366 79 73 E4 ADC $E473, Y Einschaltmeldung
C369 48 PHA retten
C36A BA TXA = $37, 36
C36B 59 73 E4 EOR $E473, Y Einschaltmeldung
C36E BA TAX nach K
C36F 68 PLA zurückholen
C370 08 DEY $36, 35, ...
C371 10 71 BPL $C345 bis 0
C373 E9 74 CMP ##74 Prüfsumme 1
C375 D0 2E BNE $C385
C377 E0 0B CPX ##0B Prüfsumme 2
C379 D0 0A BNE $C385
C37B A2 F9 LDX ##F9
C37D A0 03 LDY ##03
C37F 8E 30 03 STX $0330 } LOAD-Vektor
C382 8C 31 03 STY $0331
C385 60 RTS
C386 von C62 LD BIT $DD00 CIA
C389 3C 05 78 BMI $C386 warten
C38B 0B C0 5C PHP status retten
C38C A9 C0 LDA ##C0
C38E 4D 00 DD EOR $DD00
    
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STARTER

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C391 4A LSR
C392 4A LSR
C393 4D 00 DD EOR $DD00
C396 4A LSR
C397 4A LSR
C398 4D 00 DD EOR $DD00
C39B 4A LSR
C39C 4A LSR
C39D 4D 00 DD EOR $DD00
C3A0 28 PLP
C3A1 70 16 BVS $C3B9 kein Fehler
C3A3 4B PHA Byte retten
C3A4 5B CLI Interrupts zulassen
C3A5 A9 1B LDA ##1B %000-11011
C3A7 BD 11 D0 STA $D011
C3AA A9 2A LDA ##2A
C3AB 20 C3 FF JSR $FFC3 CLOSE!
C3AF A6 AE LDX $AE Endadresse
C3D1 A4 AF LDY $AF holen
C3D3 6B PLA Byte holen
C3D4 4A LSR ab imo Carry
C3D5 6B PLA } eine JSR-Ebene
C3D6 6B PLA } übergehen
C3D7 A9 1D LDA ##1D
C3D9 60 RTS
C3DA A0 F1 LDY ##F1 $F1CA normaler
C3BC A2 CA LDX ##DA OUTPUT-Vektor
C3BE 8E 26 03 STX $0326 }
C3C1 BC 27 03 STY $0327 }
C3C4 20 61 03 JSR $0361 Test auf C64, LOAD Vektor
C3C7 A9 07 LDA ##07 7 Zeichen
C3C9 A2 3F LDX ##3F 033F Position
C3CB A0 03 LDY ##03
C3CD 20 BD FF JSR $FFBD FILPAR
C3D0 A9 01 LDA ##01
C3D2 A2 0B LDX ##0B 1,8,1
C3D4 A8 TAY
C3D5 20 BA FF JSR $FFBA FILPAR
C3D8 A9 00 LDA ##00 LOAD-Flag
C3DA 20 D5 FF JSR $FFD5 LOAD
C3DD B0 EB BCS $C3C7 Fehler
C3DF 86 2D STX $2D
C3E1 84 2E STY $2E
C3E3 A2 A5 LDX ##A5 } F4AS normale
C3E5 A0 F4 LDY ##F4 LOAD Vektor
C3E7 8E 30 03 STX $0330 }
C3EA 8C 31 03 STY $0331 }
C3ED 4C F0 03 JMP $03F0 ???
C3F0 50 59 A6 JSR $A659 CIR
C3F3 20 33 A5 JSR $A533 BASIC-Zeiten neu
C3F6 RUN JMP $A70E Inter-pr. schlt bilden
C3F9 AD A6 02 LDA $02A6 PAL2
C3FC D0 05 BNE $C403 ja
C3FE A9 A9 LDA ##A9 BIT durch LDA#
C400 BD DC 04 STA $04DC über schreiben
C403 A9 00 LDA ##00 B. tats. drinn
C405 BD 11 D0 STA $D011 aus
C408 20 4F 03 JSR $034F OPEN mit Sekundärd
C40B A9 00 LDA ##00 kein
C40D B5 B7 STA $B7 Filname
C40F A9 0F LDA ##0F Befehlskanal
    
```

Test:
Wirklich
C64
im

Einschaltmeldung

\$03F9 in
LOAD-Vektor

LOAD

Autostart von KUNST AUS CHINA

.,C411	20	4F	03	JSR	#034F	5 Zeichen		.,C497	4C	0A	E6	JMP	#E60A	
.,C414	A0	00		LDY	#00	← ! -		.,C49A	A0	00		LDY	#00	
.,C416	8C	3C	03	STY	#033C			.,C49C	AD	00	03	LDA	#0300	
.,C419	A2	2A		LDX	#2A	↑ 24		.,C49F	DO	04		BNE	#C4A5	
.,C41B	20	C9	FF	JSR	#FFC9	CKOUT (←CMD)		.,C4A1	AC	01	03	LDY	#0301	
.,C41E	A2	00		LDX	#00	Zähler		.,C4A4	CB			INY		
.,C420	BD	39	03	LDA	#0339	X ← M-W 0600		.,C4A5	B4	8B		STY	#8B	
.,C423	20	D2	FF	JSR	#FFD2	schreiben		.,C4A7	A0	02		LDY	#02	
.,C426	E8			INX				.,C4A9	B9	00	03	LDA	#0300, Y	
.,C427	E0	06		CPX	#06	5 Zeichen		.,C4AD	A2	02		LDX	#02	
.,C429	D0	F5		BNE	#C420	LOOP		.,C4AE	B4	8D		STY	#8D	
.,C42B	A2	20		LDX	#20	20 Bytes Y=0!!		.,C4B0	20	5B	06	JSR	#065B	
.,C42D	B9	6B	04	LDA	#046B	Y Floppyroutine		.,C4B3	A4	8D		LDY	#8D	
.,C430	20	D2	FF	JSR	#FFD2	übertragen		.,C4B5	CB			INY		
.,C433	CB			INY				.,C4B6	C4	8B		CPY	#8B	
.,C434	CA			DEX				.,C4B8	DO	EF		BNE	#C4A9	
.,C435	D0	F6		BNE	#C42D	LOOP		.,C4BA	AC	01	03	LDY	#0301	
.,C437	20	CC	FF	JSR	#FFCC	CLRCH (zurücksetzen)		.,C4BD	AE	00	03	LDX	#0300	
.,C43A	C0	C0		CPY	#C0			.,C4C0	DO	AE		BNE	#C470	
.,C43C	D0	DB		BNE	#C416			.,C4C2	A9	00		LDA	#00	
.,C43E	A9	05		LDA	#05	5 Zeichen (H-E 0600)		.,C4C4	A2	0A		LDX	#0A	
.,C440	A2	34		LDX	#34	0534		.,C4C6	AB			TAY		
.,C442	A0	03		LDY	#03			.,C4C7	BE	6D	06	STX	#066D	
.,C444	20	BD	FF	JSR	#FFBD	FILNAM		.,C4CA	4A			LSR		
.,C447	A9	0F		LDA	#0F	Sekundäradr.		.,C4CB	4A			LSR		
.,C449	20	4F	03	JSR	#034F	OPEN		.,C4CC	4A			LSR		
.,C44C	78			SEI				.,C4CD	4A			LSR		
.,C44D	A9	C3		LDA	#C3			.,C4CE	AA			TAX		
.,C44F	BD	00	DD	STA	#DD00	CIA2		.,C4CF	BD	90	06	LDA	#0690, X	
.,C452	20	B6	03	JSR	#03B6	Byte holen		.,C4D2	48			PHA		
.,C455	85	AE		STA	#AE	Startadr. low		.,C4D3	98			TYA		
.,C457	20	B6	03	JSR	#03B6	Byte holen		.,C4D4	29	0F		AND	#0F	
.,C45A	85	AF		STA	#AF	Startadr. High		.,C4D6	AA			TAX		
.,C45C	20	B6	03	JSR	#03B6	Byte holen		.,C4D7	A9	02		LDA	#02	
.,C45F	A2	00		LDX	#00	Zähler für Indizierung		.,C4D9	8D	00	18	STA	#1800	
.,C461	B1	AE		STA	(#AE, X)	ablegen		.,C4DC	24	00		BIT	#00	
.,C463	E6	AE		INC	#AE	Low incr.		.,C4DE	BD	90	06	LDA	#0690, X	
.,C465	D0	F5		BNE	#C45C	LOOP		.,C4E1	8D	00	18	STA	#1800	
.,C467	E6	AF		INC	#AF	High incr.		.,C4E4	0A			ASL		
.,C469	D0	F1		BNE	#C45C	LOOP		.,C4E5	29	0F		AND	#0F	
.,C46B	78			SEI		Floppy-routine (eigentlich ab 0600)		.,C4E7	8D	00	18	STA	#1800	
.,C46C	A6	18		LDX	#18			.,C4EA	68			PLA		
.,C46E	A4	19		LDY	#19			.,C4EB	8D	00	18	STA	#1800	
.,C470	86	06		STX	#06			.,C4EE	0A			ASL		
.,C472	84	07		STY	#07			.,C4EF	29	0F		AND	#0F	
.,C474	AD	00	1C	LDA	#1C00	CIA register		.,C4F1	8D	00	18	STA	#1800	
.,C477	49	08		EOR	#08	Licht invertieren		.,C4F4	EA			NOP		
.,C479	8D	00	1C	STA	#1C00	zurückschreiben		.,C4F5	A9	00		LDA	#00	
.,C47C	A9	80		LDA	#80			.,C4F7	8D	00	18	STA	#1800	
.,C47E	85	00		STA	#00			.,C4FA	60			RTS		
.,C480	A6	00		LDX	#00			.,C4FB	0F			???		
.,C482	58			CLI				.,C4FC	07			???		
.,C483	78			SEI				.,C4FD	0B	05	0B	ORA	#0B05	
.,C484	30	FA		BMI	#C480			.,C500	03			???		
.,C486	A5	06		LDA	#06			.,C501	09	01		ORA	#01	
.,C488	C9	12		CMF	#12			.,C503	0E	06	0C	ASL	#0C06	
.,C48A	F0	04		BEQ	#C490			.,C506	04			???		
.,C48C	E0	02		CPX	#02			.,C507	0A			ASL		
.,C48E	90	0A		BCC	#C49A			.,C508	02			???		
.,C490	A9	FF		LDA	#FF			.,C509	08			PHP		
.,C492	20	59	06	JSR	#0659			.,C50A	00			BRK		
.,C495	A9	20		LDA	#20			.,C50B	00			BRK		

50600

AUTOSTART

VON KUNST AUS CHINA



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:c326 ba 03 ed f6 3e f1 2f f3 Σcfl>μ/0
:c32e 00 00 a5 f4 ed f5 4d 2d $$$äcE-
:c336 45 00 06 4d 2d 57 00 06 esJn-wsf
:c33e 20 53 54 41 52 54 45 52 starter
:c346 00 00 00 00 00 00 00 00 $$$$$$$$
:c34e 00 48 a9 2a 20 c3 ff 68 Jn*x CnH
:c356 a8 a9 2a a2 08 20 ba ff r*x h Σπ
:c35e 4c c0 ff a0 37 98 aa 18 l'π 7Xπx
:c366 79 73 e4 48 8a 59 73 e4 YS'hJyS'
:c36e aa 68 88 10 f2 c9 74 d0 -HHpāITP
:c376 0e e0 d8 d0 0a a2 f9 a0 n XPJ'J
:c37e 03 8e 30 03 8c 31 03 60 cN0cL1c'
:c386 2c 00 dd 30 fb 08 a9 c0 ,sU0äh-r'
:c38e 4d 00 dd 4a 4a 4d 00 dd msÜjmsÜ
:c396 4a 4a 4d 00 dd 4a 4a 4d jmsÜjmsÜ
:c39e 00 dd 28 70 16 48 58 a9 $U(PvhxT
:c3a6 1b 8d 11 d0 a9 2a 20 c3 lMqP-r* C
:c3ae ff a6 ae a4 af 68 4a 68 π-e' HJH
:c3b6 68 a9 1d 60 a0 f1 a2 ca H+rJ' μ'J
:c3be 8e 26 03 8c 27 03 20 61 N&cL'c A
:c3ce bd ff a9 01 a2 08 a8 20 ünra h r
:c3d6 ba ff a9 00 20 d5 ff b0 Σπr$ Un0
:c3de e8 86 2d 84 2e a2 a5 a0 rF-D. 't
:c3e6 f4 8e 30 03 8c 31 03 4c $N0cL1c1
:c3ee f0 03 20 59 a6 20 33 a5 @c y- 3t
:c3f6 4c ae a7 ad a6 02 d0 05 lè-fE-bPe
:c3fe a9 a9 8d dc 04 a9 00 8d r-Mäd-r$M
:c406 11 d0 20 4f 03 a9 00 85 qF oc-r$E
:c40e b7 a9 0f 20 4f 03 a0 00 8to oc $
:c416 8c 3c 03 a2 2a 20 c9 ff L<c' * Im
:c41e a2 00 bd 39 03 20 d2 ff 'Sü9c Rπ
:c426 e8 e0 06 d0 f5 a2 20 b9 r fPE' J
:c42e 6b 04 20 d2 ff c8 ca d0 Kd RπHJP
:c436 f6 20 cc ff c0 c0 d0 d8 i Lπ' PX
:c43e a9 05 a2 34 a0 03 20 bd te'4 c ü
:c446 ff a9 0f 20 4f 03 78 a9 πto ocXr
:c44e c3 8d 00 dd 20 86 03 85 CMSÜ FcE
:c456 ae 20 86 03 85 af 20 86 è FcE' F
:c466 f5 e6 af d0 f1 78 a6 18 e-'PuX-x
:c46e a4 19 86 06 84 07 ad 00 -yFfDgE$
:c476 1c 49 08 8d 00 1c a9 80 \ihMSXr'
:c47e 85 00 a6 00 58 78 30 fa E$-SxXOΣ
:c486 a5 06 c9 12 f0 04 e0 02 Hlr@d b
:c48e 90 0a a9 ff 20 59 06 a9 Pjππ yfr
:c496 20 4c 0a e6 a0 00 ad 00 lj- $E$
:c49e 03 d0 04 ac 01 03 c8 84 cPdéachD
:c4a6 8b a0 02 b9 00 03 a2 02 K bJ$C b
:c4ae 84 8d 20 5b 06 a4 8d c8 DM lf-MH
:c4b6 c4 8b d0 ef ac 01 03 ae DKP' éacè
:c4be 00 03 d0 ae a9 00 a2 0a $cPè-r$ 'j
:c4c6 a8 8e 6d 06 4a 4a 4a 4a rNMfjjjj
:c4ce aa bd 90 06 48 98 29 0f rüPfhX)0
:c4d6 aa a9 02 8d 00 18 24 00 rrbMSx$E$
:c4de bd 90 06 8d 00 18 0a 29 üPfMSxj)
:c4e6 0f 8d 00 18 68 8d 00 18 cMSxHMSx
:c4ee 0a 29 0f 8d 00 18 ea a9 j)0MSxrr
:c4f6 00 8d 00 18 68 ff 07 0d $MSx'ogm
:c4fe 05 0b 03 09 01 0e 06 0c ekcianfl
:c506 04 0a 02 08 00 00 00 00 djbh$$$$

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-16 Bytes => Universal-Routine
für beliebigen Filenamen