

CSCI 10 - Santa Clara University - Fall 2017
Michael J. Bannister

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- BS Math/Physics; PhD Math
- Enlisted in the Navy during WW2, rising to Rear Admiral
- Created the first compiler
- Popularized machine-independent PL
- Helped create COBOL: 1st high level PL

**USASCII code chart**

P7BoP5 bits					Column	0	1	2	3	4	5	6	7
b4	b3	b2	b1	Row	0	1	2	3	4	5	6	7	
0	0	0	0	0	NUL	DLE	SP	0	@	P	\	p	
0	0	0	1	1	SOM	DC1	!	1	A	Q	o	q	
0	0	1	0	2	STX	DC2	"	2	B	R	b	r	
0	0	1	1	3	ETX	DC3	#	3	C	S	c	s	
0	1	0	0	4	EOT	DC4	\$	4	D	T	d	t	
0	1	0	1	5	ENQ	NAK	%	5	E	U	e	u	
0	1	1	0	6	ACK	SYN	&	6	F	V	f	v	
0	1	1	1	7	BEL	ETB	'	7	G	W	g	w	
1	0	0	0	8	BS	CAN	(8	H	X	h	x	
1	0	0	1	9	HT	EM)	9	I	Y	i	y	
1	0	1	0	10	LF	SUB	*	:	J	Z	j	z	
1	0	1	1	11	VT	ESC	+	:	K	[k	{	
1	1	0	0	12	FF	FS	,	<	L	\	l		
1	1	0	1	13	CR	GS	-	=	M]	m	}	
1	1	1	0	14	SO	RS	.	>	N	^	n	~	
1	1	1	1	15	S1	US	/	?	O	_	o	DEL	

ASCII chart from a 1972 printer manual.