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Corrigenda for
String and List Processing in SNOBOL4

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A list of corrections to the first printing of *String and List Processing in SNOBOL4*, published by Prentice-Hall, follows.

In this list, line numbers are counted from the top of the page. This line numbering system was chosen for clarity, although it causes extra work in locating an error near the bottom of a page. Page headings and blank lines are not counted. In figures, blank areas, rulings, and horizontal lines are not counted, but lines of text are. In a few places, especially where figures are involved, there are ambiguities in counting lines. These situations are marked by a * on the line numbers. The context provided for corrections can be used to resolve these problems.

Brackets ([]) surround comments about corrections. In places where entire lines are changed or inserted, the new text is separated from the rest of the correction list by horizontal lines.

The corrections given here may not be complete. I will appreciate having other errors called to my attention. Please let me know if there are errors or omissions in the corrigenda.

Thanks go to individuals who called errors to my attention; most of the errors corrected here were first found by students in my classes.

pages	lines	current text	replacement text
8	12	>digit>	<digit>
9	12	*MEMBER	MEMBER [two places]
15	30	OXOXOXOXOXOXOXOXOXOX	XOXOXOXOXOXOXOXOXOXO
	31	primes are	primes (2,3,5,7, ...) are
	32	XXXXOXOXOOOXOXOOOX...	OXXOXOXOOOXOXOOOX ...
	35	XXXXOXXOXXOXOOXXOO	OXXOXOXXOXXOXOOXXOO
30	34	LE(N2)	LE(N, 2)
30	29*	R_j	R_0
35	30*	$m = 0$	$m = 10$
38	32	N, F, and CSET	F and CSET
	38	$N - 1$	$n - 1$
42	1	slight	sleight
49	6	ARRAY(5,0,0)	ARRAY(5,0.0)
63	25-30*		[shade cells from the top of the array through the cell above the top-of-stack pointer]
66	9	SOP(S)	TOP(S)
	10	TOP(S)	TOP(S) : (RETURN)
68	7	LAST(P)	LAST(P))
69	28*		[remove shading from cell pointed to by tail]
70	14		[remove shading from cell pointed to by tail]
71	2*		[remove shading from VALUE field of ELEMENT pointed to by tail]
72	22*		[insert blank line before procedure for DELETE]
89	2	12)), Z)	12))) , Z)
	8	parenthesized	prefix
97	16	(D(R2))	D(R2))

97	28	result	rest
103	23	+ 3xz	- 3xz
110	25	.R	. R
110	36	:S (RETURN)	:(RETURN)
111	29	'+=* / !'	'+-* / !'
	38	D(U,V)	D(U,X)
	39	')) ;	'))'
	40	;)) / ('	')) / ('
113	2	(0+(((1+((
115	24	\$!
	25	\$!
117	head	Sec. 4.1	Sec. 4.2
136	3	Transportation	Transposition
137	10	DEFINE (DEFINE (
139	23*	T T H	H T H
	24*	E I	I
140	1	T T I I H	H T I I H
	11	TECEK T AFHT	TECEK H AFHT
144	9	*SIZE(S1)	*(SIZE(S1))
	24	the &ALPHABET	that &ALPHABET
151	34	transpositions	substitutions
155	8*	TEST	TEXT
178	38-39	sys-te- matic	sys-tematic [correct hyphenation (!)]
178	1	for example, skip	for example, a skip
180	13	MAP ()	MAP (GET)
185	30	INDEX = PRINT (PRINT (
198	9	'SELECT (X)'	'SELECT (X)A'

203 39-40 [replace the two lines beginning with INDEX by the following:]

```
INDEX LIST SYM = :F(RETURN)
INDEX = INDEX + 1
```

204 11 [delete line beginning with NEXT =]

14 (',' | RPOS(0) (',' | RPOS(0)

210 22-23 $C_{j-1} C_j$ $C_{j-1} C_j$

211 5-6 T T [move arrow in front of character]

8-9 * * [move arrow in front of character]

12-13 11 11 [move arrow in front of character]

214 17 [delete line beginning with C =]

40 [insert the following line after the line beginning with QDECR:]

```
EXPAND = EXPAND H : (RETURN)
```

216 31 H,N,C' H,N'

32 ('0123456789') ('0123456789') . N

217 26 IF if IF is

28 <#1>,1,<#2> #1,1,#2

218 5 EXPAND(EXPAND, CBR) EXPAND(CBR)

6 SPECIAL (SPECIAL(

8 EXPAND(EXPAND, CBR) EXPAND(CBR)

23-33 [replace the eleven lines starting at the last line of the paragraph through the line beginning with NULL by the the following lines:]

corresponding procedures. To prevent processing of special macros, SPECIAL similarly can be OPSYNed to a procedure that always fails. Skipping arguments therefore can be accomplished by the following program segments:

```
OPSYN('SPECIALSAVE', 'SPECIAL')
OPSYN('EVALSAVE', 'EVAL')
```

```

DEFINE('SKIP()')
DEFINE('NULL()')
DEFINE('FAIL()')
.
.
.
SKIP OPSYN('EVAL','NULL')
      OPSYN('SPECIAL','FAIL')
      EXPAND(CBR)
      OPSYN('SPECIAL','SPECIALSAVE')
      OPSYN('EVAL','EVALSAVE')           : (RETURN)
NULL                                     : (RETURN)
FAIL                                     : (FRETURN)

```

219 2 [delete line beginning with SKIP ()]
 19-20 [replace the two lines beginning with 7.36 by the following]

7.36 Why is it necessary for ARG to be a local variable of EXEC?

227	17	16	17
237	34	ROW(M,M,F)	ROW(M,M,F)
	35	COL(M,M,F)	COL(M,M,F)
239	21	ROTATE)) :F	ROTATE)) :F
	22	ROTATE ROTATE	ROTATE ROTPAT
246	35	G/2	G / 2
251	19	RISB	RSIB
257	6	SUB = EQ(0,0) ...	[delete entire line]
257	22	U%V	U % V
262	12-13	transcription	inscription
263	33	is the identity	produces an identity
265	9	'~'	'\'
270	33	L	R
278	12	the Document	The Document