

(iv) GLOBAL VARIABLES

<u>Variable</u>	<u>Use</u>	<u>Set in</u>
ADDI	local copy of ADDRESS { I } ADDI#1 DIM { I } ADDI+2 FML { I } ADDI+3 Used { I } ADDI+4 V { I }	FOMCOM } ADJI } }
ADDRESS	Temporary storage for unstacked address	UNSTAK
AR	Not now used	
ARITH	Checks Validity of use of rel., or log. operators (fail if ARITH = 1)	SET to 1 in [, STEP SWITCH Cleared in ENDSTA DO ElseS if)] ARRAY] DECL
ARRCOU	Array count on array declaration	DO FOR DEC) PROCED NCLAPS } UNSTAK SEARCH } DEC FOR PROCED)
BN	Current block Name BN+2 Last found block Name BN+4 Highest block Name used	START
BUFLAG	Marker to show when input buffer exhausted	START GETCHA
C	Zero constant	START
CHKSUM	Binary sum of characters for checking binary output	PUNGRP
CNL	Marker set during Name list collapse	NCLAPS
CODE	Used by PUNGRP to inform the loader of type of output	COMPIL FOMPIL PUNGLB
CODLP	Relative pointer to next free in CODL	START SECODL
CONS	0; real constant. 1; integer, 2; Boolean (true/false)	NUMBER BCR

<u>Variable</u>	<u>Use</u>	<u>Set in</u>
CONSTA	Current constant in ALGOL text	NUMBER BCR
DECSTA	0 at begin, 1 during declarations 2 during statements.	DEC FOR PROCED BEGIN GOTO IF BECOMS COLON (
DECTYP	Type of current declaration	ARRAY REAL PROCED SWITCH]
DELIM	Current delimiter	BCR QUOTE AOP
DIM	DELIM+1 contains the associated GRPCOD Temporary storage for unstacked dimensions	BCR UNSTAK
E	Set 1 for statement, 0 for expressions	Set to 1 at ENDSTA ACTOP SERPRO ELSE DO] (
EXPRES	Set for expression bracket in print list	Set to 0 at
EXPTYP	Records expected type(s)	EXP PRINT QUOTE IF GOTO [FOR
F	For clause marker	SETPRO (
FALCOU	Register to accumulate error number	Set to Switch/Label in GOTO Cleared at
G	Marker for syntax checks (for clauses)	ENDSTA ELSE IF ,) [
GRPCOD	Information code for current delimiter, or character (Sec. 7)	DO FOR GOTO FAIL
I	Contains found Value of NLP	FOR STEP WHILE UNTIL TAKCHA GETCHA
LASTCH	Last character read from buffer LASTCH+1 Present character LASTCH+2 Next character	SEARCH]) GETCHA) EVALNA)

<u>Variable</u>	<u>Use</u>	<u>Set in</u>
LASTCP	Last item compiled	COMPIL
LASTDL	Last delimiter LASTDL+1 GRPCOD of LASTDL	BCR
LEVEL	Not now used	
LHTYPE	Left hand type of an assignment	BECOMS
LINE	Number of line being currently processed	FILBUF
LOG	Not now used	
LOKTYP	Space reserved for unstack in TYPBOX	UNSTAK STEP
M	0 if delimiter only; 1 if identifier delimiter; 2 if constant delimiter	IDENT NUMBER
MFAIL	Records a failure	END BCR
MPRINT	Set in print statement	FAIL PRINT LSBRAK LRBRAK ENDSTA
MREAD	Set in Read statement	READ LSBRAK LRBRAK ENDSTA
NAM	Contains Current (or last) identifier	IDENT
NDAP	Notional data area pointer	START
NLP	Name list pointer	START NCLAPS SEARCH DEC PROCED FCLAPS
OPTION	NLP+1 Initial Value of NLP (7995)	
OWNCOD	NLP+2 Value of NLP after 1st Block	NCLAPS
P	Parameter of Translation Set for owncode procedures Parameter for checking validity of some subroutine calls.	START PROCED CODE BCR EXP TAKE DEC
PARAM	Now now used	
PH	Set when processing a procedure heading	PROCED
PP	Current value of pord pointer	COMPIL
PRCENT	Temporary storage for found entry in Name list	PROCED

<u>Variable</u>	<u>Use</u>	<u>Set in</u>
PROC	Set for procedures	PROCED LSBRK QUOTE
PROCPO	Pointer to procedure name in actual call	LRBRK
PRMCOU	Number of current parameter	PROCED RRBRK
Q	Used to search constant area	SECDL
R	Not now used	
REL	Not now used	
SP	Stack pointer	RESTO STACK
SPR	Stack priority.	UNSTAK
SV	Variable to denote where an array element is syntactically value	ENDSTA GOTO BECOMS
TS	Top of stack	RESTO STACK
TYPBOX	Type of current Algol section	SEARCH UNSTAK LSBRAK TAKID TAKE TYPCHK
TYPE	Not now used	
WANTED	Marker to show whether a library function is required	FOMPIL
WM	Warning message marker	FCLAPS NCLAPS END
XX	Used for checking validity of : and , in array declarations	ARRBND