Table 7 **Source code libraries generated by "GENTEXT".** This
list forms part of the **equivellipse.DEF** file, in which
"equivellipse" is the GENOPT user's generic name for the case.
The complete equivellipse.DEF file is listed in Table a2 of the
appendix. **BEGIN.NEW** is listed in Table a3; **STOGET.NEW** is listed
in Table a4; **STRUCT.NEW:** skeletal form is listed in Table a14,
the GENOPT-user-completed final version for the generic case
equivellipse, is listed in Table a16; **BEHAVIOR.NEW:** skeletal version
before inclusion of the GENOPT-created labeled common blocks
is listed in Table a28 (where it has the name eqellipse.SUB),
skeletal version after inclusion of the GENOPT-created labeled
common blocks is listed in Table a13; **CHANGE.NEW** is listed in
Table a5.
==

  BEGIN.NEW   = source library for FORTRAN program which will
                 be used to set up the starting design, material
                 properties, and any other data you wish.

  STOGET.NEW   = source library for FORTRAN subroutines which
                 are used to transfer labelled common blocks.
                 These labelled common blocks are the data base.

  STRUCT.NEW   = source library for FORTRAN subroutines that
                 perform the analysis for each iterate in the
                 set of optimization iterations. You may have
                 to complete this routine (add dimension state-
                 ments, subroutine calls, output statements,
                 etc.). The library, STRUCT.NEW, also contains
                 a skeletal routine, SUB. TRANFR, that you can
                 complete in order to translate data names from
                 from those just established by you (TABLE 2) to
                 other names used by the developer of previously
                 written code that you may plan to incorporate
                 into SUBROUTINE STRUCT and/or SUBROUTINES
                 BEHX1, BEHX2, BEHX3,...BEHXn (described next).

  BEHAVIOR.NEW= a library of subroutine skeletons, BEHX1,BEHX2,
                 BEHX3,...BEHXn, that, upon completion by you,
                 will calculate behavior for a given design or
                 design perturbation. Skeletal subroutines for
                 a user-written constraint condition, USRCON,
                 and a skeletal routine for the objective func-
                 tion, OBJECT, are also generated and are
                 included in the BEHAVIOR.NEW library.

```
  CHANGE.NEW  = FORTRAN program that permits you to change
               certain program parameters without having to
               go back to BEGIN and run a case from scratch.
===============================================================
```