```
**********************************************************
   32607 Fri Sep 27 10:14:07 2013
new/usr/src/cmd/getconf/getconf.c
4146 getconf(1) does not support XATTR_ENABLED, XATTR_EXISTS, SATTR_ENABLED, SAT
**********************************************************
______unchanged_portion_omitted_
/*
 * Some entries in this structure have both leading _ and non leading _
 * versions for compatibility with various versions of the specifications.
 * It is not expected that both forms will be required for new entries.
 */

        /* POSIX.2-1992 table 2-17 */
        _POSIX2_BC_BASE_MAX,    "POSIX2_BC_BASE_MAX",   SELFCONF,   NOFLAGS,
        _POSIX2_BC_BASE_MAX,    "_POSIX2_BC_BASE_MAX",  SELFCONF,  NOFLAGS,
        _POSIX2_BC_DIM_MAX,     "POSIX2_BC_DIM_MAX",    SELFCONF,   NOFLAGS,
        _POSIX2_BC_DIM_MAX,     "_POSIX2_BC_DIM_MAX",   SELFCONF,  NOFLAGS,
        _POSIX2_BC_SCALE_MAX,   "POSIX2_BC_SCALE_MAX",  SELFCONF,   NOFLAGS,
        _POSIX2_BC_SCALE_MAX,   "_POSIX2_BC_SCALE_MAX", SELFCONF,  NOFLAGS,
        _POSIX2_BC_STRING_MAX,  "POSIX2_BC_STRING_MAX", SELFCONF,   NOFLAGS,
        _POSIX2_BC_STRING_MAX,  "_POSIX2_BC_STRING_MAX", SELFCONF, NOFLAGS,
        _POSIX2_COLL_WEIGHTS_MAX, "POSIX2_COLL_WEIGHTS_MAX", SELFCONF,  NOFLAGS,
        _POSIX2_COLL_WEIGHTS_MAX, "_POSIX2_COLL_WEIGHTS_MAX", SELFCONF, NOFLAGS,
        _POSIX2_EXPR_NEST_MAX,  "POSIX2_EXPR_NEST_MAX", SELFCONF,   NOFLAGS,
        _POSIX2_EXPR_NEST_MAX,  "_POSIX2_EXPR_NEST_MAX", SELFCONF,   NOFLAGS,
        _POSIX2_LINE_MAX,       "POSIX2_LINE_MAX",      SELFCONF,   NOFLAGS,
        _POSIX2_LINE_MAX,       "_POSIX2_LINE_MAX",     SELFCONF,  NOFLAGS,
        _POSIX2_RE_DUP_MAX,     "POSIX2_RE_DUP_MAX",    SELFCONF,   NOFLAGS,
        _POSIX2_RE_DUP_MAX,     "_POSIX2_RE_DUP_MAX",   SELFCONF,   NOFLAGS,
        /* See limits.h section below for _POSIX_RE_DUP_MAX */

        /* UNIX 98 */
        _POSIX_AIO_LISTIO_MAX,  "_POSIX_AIO_LISTIO_MAX", SELFCONF,      NOFLAGS,
        _POSIX_AIO_MAX,         "_POSIX_AIO_MAX",        SELFCONF,      NOFLAGS,
        _POSIX_DELAYTIMER_MAX,  "_POSIX_DELAYTIMER_MAX", SELFCONF,      NOFLAGS,
        _POSIX_LOGIN_NAME_MAX,  "_POSIX_LOGIN_NAME_MAX", SELFCONF,      NOFLAGS,
        _POSIX_MQ_OPEN_MAX,     "_POSIX_MQ_OPEN_MAX",    SELFCONF,      NOFLAGS,
        _POSIX_MQ_PRIO_MAX,     "_POSIX_MQ_PRIO_MAX",    SELFCONF,      NOFLAGS,
        _POSIX_RTSIG_MAX,       "_POSIX_RTSIG_MAX",      SELFCONF,      NOFLAGS,
        _POSIX_SEM_NSEMS_MAX,   "_POSIX_SEM_NSEMS_MAX",  SELFCONF,      NOFLAGS,
        _POSIX_SEM_VALUE_MAX,   "_POSIX_SEM_VALUE_MAX",  SELFCONF,      NOFLAGS,
        _POSIX_SIGQUEUE_MAX,    "_POSIX_SIGQUEUE_MAX",   SELFCONF,      NOFLAGS,
        _POSIX_TTY_NAME_MAX,    "_POSIX_TTY_NAME_MAX",   SELFCONF,      NOFLAGS,

        /* UNIX 03 */
        _POSIX_HOST_NAME_MAX,   "_POSIX_HOST_NAME_MAX",   SELFCONF,   NOFLAGS,
        _POSIX_RE_DUP_MAX,      "_POSIX_RE_DUP_MAX",      SELFCONF,   NOFLAGS,
        _POSIX_CLOCKRES_MIN,    "_POSIX_CLOCKRES_MIN",    SELFCONF,   NOFLAGS,
        _POSIX_SYMLINK_MAX,     "_POSIX_SYMLINK_MAX",     SELFCONF,   NOFLAGS,
        _POSIX_SYMLOOP_MAX,     "_POSIX_SYMLOOP_MAX",     SELFCONF,   NOFLAGS,
        CHARCLASS_NAME_MAX, "_POSIX2_CHARCLASS_NAME_MAX", SELFCONF,   NOFLAGS,

        /* POSIX.2-1992 table 2-17 */
        _SC_2_VERSION,          "POSIX2_VERSION",       SYSCONF,   NOFLAGS,
        _SC_2_VERSION,          "_POSIX2_VERSION",      SYSCONF,   NOFLAGS,

        /* POSIX.2-1992 table 2-18 */
        _SC_BC_BASE_MAX,        "BC_BASE_MAX",          SYSCONF,   NOFLAGS,
        _SC_BC_DIM_MAX,         "BC_DIM_MAX",           SYSCONF,   NOFLAGS,
        _SC_BC_SCALE_MAX,       "BC_SCALE_MAX",         SYSCONF,   NOFLAGS,
        _SC_BC_STRING_MAX,      "BC_STRING_MAX",        SYSCONF,   NOFLAGS,
        _SC_COLL_WEIGHTS_MAX,   "COLL_WEIGHTS_MAX",     SYSCONF,   NOFLAGS,
        _SC_EXPR_NEST_MAX,      "EXPR_NEST_MAX",        SYSCONF,   NOFLAGS,
        _SC_LINE_MAX,           "LINE_MAX",             SYSCONF,   NOFLAGS,
        _SC_RE_DUP_MAX,         "RE_DUP_MAX",           SYSCONF,   NOFLAGS,
```

```
        /* POSIX.2-1992 table 2-19 */
        _SC_2_C_BIND,           "POSIX2_C_BIND",        SYSCONF,   NOFLAGS,
        _SC_2_C_BIND,           "_POSIX2_C_BIND",       SYSCONF,   NOFLAGS,
        _SC_2_C_DEV,            "POSIX2_C_DEV",         SYSCONF,   NOFLAGS,
        _SC_2_C_DEV,            "_POSIX2_C_DEV",        SYSCONF,   NOFLAGS,
        _SC_2_CHAR_TERM,        "POSIX2_CHAR_TERM",     SYSCONF,   NOFLAGS,
        _SC_2_CHAR_TERM,        "_POSIX2_CHAR_TERM",    SYSCONF,   NOFLAGS,
        _SC_2_FORT_DEV,         "POSIX2_FORT_DEV",      SYSCONF,   NOFLAGS,
        _SC_2_FORT_DEV,         "_POSIX2_FORT_DEV",     SYSCONF,   NOFLAGS,
        _SC_2_FORT_RUN,         "POSIX2_FORT_RUN",      SYSCONF,   NOFLAGS,
        _SC_2_FORT_RUN,         "_POSIX2_FORT_RUN",     SYSCONF,   NOFLAGS,
        _SC_2_LOCALEDEF,        "POSIX2_LOCALEDEF",     SYSCONF,   NOFLAGS,
        _SC_2_LOCALEDEF,        "_POSIX2_LOCALEDEF",    SYSCONF,   NOFLAGS,
        _SC_2_SW_DEV,           "POSIX2_SW_DEV",        SYSCONF,   NOFLAGS,
        _SC_2_SW_DEV,           "_POSIX2_SW_DEV",       SYSCONF,   NOFLAGS,
        _SC_2_UPE,              "POSIX2_UPE",           SYSCONF,   NOFLAGS,
        _SC_2_UPE,              "_POSIX2_UPE",          SYSCONF,   NOFLAGS,

        /* POSIX.1-1990 table 2-3 */
        _POSIX_ARG_MAX,         "_POSIX_ARG_MAX",       SELFCONF,   NOFLAGS,
        _POSIX_CHILD_MAX,       "_POSIX_CHILD_MAX",     SELFCONF,   NOFLAGS,
        _POSIX_LINK_MAX,        "_POSIX_LINK_MAX",      SELFCONF,   NOFLAGS,
        _POSIX_MAX_CANON,       "_POSIX_MAX_CANON",     SELFCONF,   NOFLAGS,
        _POSIX_MAX_INPUT,       "_POSIX_MAX_INPUT",     SELFCONF,   NOFLAGS,
        _POSIX_NAME_MAX,        "_POSIX_NAME_MAX",      SELFCONF,   NOFLAGS,
        _POSIX_NGROUPS_MAX,     "_POSIX_NGROUPS_MAX",   SELFCONF,   NOFLAGS,
        _POSIX_OPEN_MAX,        "_POSIX_OPEN_MAX",      SELFCONF,   NOFLAGS,
        _POSIX_PATH_MAX,        "_POSIX_PATH_MAX",      SELFCONF,   NOFLAGS,
        _POSIX_PIPE_BUF,        "_POSIX_PIPE_BUF",      SELFCONF,   NOFLAGS,
        _POSIX_SSIZE_MAX,       "_POSIX_SSIZE_MAX",     SELFCONF,   NOFLAGS,
        _POSIX_STREAM_MAX,      "_POSIX_STREAM_MAX",    SELFCONF,   NOFLAGS,
        _POSIX_TIMER_MAX,       "_POSIX_TIMER_MAX",     SELFCONF,   NOFLAGS,
        _POSIX_THREAD_DESTRUCTOR_ITERATIONS,
                "_POSIX_THREAD_DESTRUCTOR_ITERATIONS",  SELFCONF,   NOFLAGS,
        _POSIX_THREAD_KEYS_MAX,
                "_POSIX_THREAD_KEYS_MAX",               SELFCONF,   NOFLAGS,
        _POSIX_THREAD_THREADS_MAX,
                "_POSIX_THREAD_THREADS_MAX",            SELFCONF,   NOFLAGS,
        _POSIX_TZNAME_MAX,      "_POSIX_TZNAME_MAX",    SELFCONF,   NOFLAGS,

        /* POSIX.1-1990 table 4-2 */
        _SC_ARG_MAX,            "ARG_MAX",              SYSCONF,   NOFLAGS,
        _SC_CHILD_MAX,          "CHILD_MAX",            SYSCONF,   NOFLAGS,
        _SC_CLK_TCK,            "CLK_TCK",              SYSCONF,   NOFLAGS,
        _SC_JOB_CONTROL,        "_POSIX_JOB_CONTROL",   SYSCONF,   NOFLAGS,
        _SC_NGROUPS_MAX,        "NGROUPS_MAX",          SYSCONF,   NOFLAGS,
        _SC_OPEN_MAX,           "OPEN_MAX",             SYSCONF,   NOFLAGS,
        _SC_SAVED_IDS,          "_POSIX_SAVED_IDS",     SYSCONF,   NOFLAGS,
        _SC_STREAM_MAX,         "STREAM_MAX",           SYSCONF,   NOFLAGS,
        _SC_TZNAME_MAX,         "TZNAME_MAX",           SYSCONF,   NOFLAGS,
        _SC_VERSION,            "_POSIX_VERSION",       SYSCONF,   NOFLAGS,

        /* pathconf() variables */

        /* POSIX.1-1990 table 5-2 */

        _PC_LINK_MAX,           "LINK_MAX",             PATHCONF,  NOFLAGS,
        _PC_MAX_CANON,          "MAX_CANON",            PATHCONF,  NOFLAGS,
        _PC_MAX_INPUT,          "MAX_INPUT",            PATHCONF,  NOFLAGS,
        _PC_NAME_MAX,           "NAME_MAX",             PATHCONF,  NOFLAGS,
        _PC_PATH_MAX,           "PATH_MAX",             PATHCONF,  NOFLAGS,
        _PC_PIPE_BUF,           "PIPE_BUF",             PATHCONF,  NOFLAGS,
        _PC_CHOWN_RESTRICTED,   "_POSIX_CHOWN_RESTRICTED", PATHCONF,  NOFLAGS,
        _PC_NO_TRUNC,           "_POSIX_NO_TRUNC",      PATHCONF,  NOFLAGS,
        _PC_VDISABLE,           "_POSIX_VDISABLE",      PATHCONF,  NOFLAGS,
        /* UNIX 98 additions */

        _PC_ASYNC_IO,           "_POSIX_ASYNC_IO",      PATHCONF,  NOFLAGS,
        _PC_PRIO_IO,            "_POSIX_PRIO_IO",       PATHCONF,  NOFLAGS,
        _PC_SYNC_IO,            "_POSIX_SYNC_IO",       PATHCONF,  NOFLAGS,

        /* Large File Summit name (UNIX 98) */

        _PC_FILESIZEBITS,       "FILESIZEBITS",         PATHCONF,  NOFLAGS,
        _PC_XATTR_ENABLED,      "XATTR_ENABLED",        PATHCONF,  NOFLAGS,
        _PC_XATTR_EXISTS,       "XATTR_EXISTS",         PATHCONF,  NOFLAGS,
#endif /* ! codereview */

        /* UNIX 03 Additions */

        /* Advisory Information (ADV) */
        _PC_ALLOC_SIZE_MIN,     "POSIX_ALLOC_SIZE_MIN", PATHCONF,  NOFLAGS,
        _PC_REC_INCR_XFER_SIZE, "POSIX_REC_INCR_XFER_SIZE", PATHCONF,  NOFLAGS,
        _PC_REC_MAX_XFER_SIZE,  "POSIX_REC_MAX_XFER_SIZE",  PATHCONF,  NOFLAGS,
        _PC_REC_MIN_XFER_SIZE,  "POSIX_REC_MIN_XFER_SIZE",  PATHCONF,  NOFLAGS,
        _PC_REC_XFER_ALIGN,     "POSIX_REC_XFER_ALIGN", PATHCONF,  NOFLAGS,

        _PC_2_SYMLINKS,         "POSIX2_SYMLINKS",      PATHCONF,  NOFLAGS,
        _PC_SYMLINK_MAX,        "SYMLINK_MAX",          PATHCONF,  NOFLAGS,

        _PC_SATTR_ENABLED,      "SATTR_ENABLED",        PATHCONF,  NOFLAGS,
        _PC_SATTR_EXISTS,       "SATTR_EXISTS",         PATHCONF,  NOFLAGS,

#endif /* ! codereview */
        /* UNIX 08 additions */

        _PC_TIMESTAMP_RESOLUTION, "_POSIX_TIMESTAMP_RESOLUTION",
            PATHCONF,   NOFLAGS,

        /* confstr() variables */

        /* POSIX.2-1992 description of getconf utility */
        _CS_PATH,               "PATH",                 CONFSTR,   NOFLAGS,

        /* POSIX.2-1992 table B-18 */
        _CS_PATH,               "CS_PATH",              CONFSTR,   NOFLAGS,
        _CS_PATH,               "_CS_PATH",             CONFSTR,   NOFLAGS,

        /* command names for large file configuration information */
        /* large file compilation environment configuration */

        _CS_LFS_CFLAGS,         "LFS_CFLAGS",           CONFSTR,   NOFLAGS,
        _CS_LFS_LDFLAGS,        "LFS_LDFLAGS",          CONFSTR,   NOFLAGS,
        _CS_LFS_LIBS,           "LFS_LIBS",             CONFSTR,   NOFLAGS,
        _CS_LFS_LINTFLAGS,      "LFS_LINTFLAGS",        CONFSTR,   NOFLAGS,

        /* transitional large file interface configuration */

        _CS_LFS64_CFLAGS,       "LFS64_CFLAGS",         CONFSTR,   NOFLAGS,
        _CS_LFS64_LDFLAGS,      "LFS64_LDFLAGS",        CONFSTR,   NOFLAGS,
        _CS_LFS64_LIBS,         "LFS64_LIBS",           CONFSTR,   NOFLAGS,
        _CS_LFS64_LINTFLAGS,    "LFS64_LINTFLAGS",      CONFSTR,   NOFLAGS,

        /*
         *  UNIX 98:
         *  confstr additions, these support
         *  programming specifications/environments.
         *
         * Unfortunately there is some uncertainty with
         * the standard at this point about the constant
         * name, thus we need to recognize BOTH with and
```

```
         * without the initial underscore.
         */
        _CS_XBS5_ILP32_OFF32_CFLAGS,    "XBS5_ILP32_OFF32_CFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_ILP32_OFF32_CFLAGS,    "_XBS5_ILP32_OFF32_CFLAGS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_ILP32_OFF32_LDFLAGS,   "XBS5_ILP32_OFF32_LDFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_ILP32_OFF32_LDFLAGS,   "_XBS5_ILP32_OFF32_LDFLAGS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_ILP32_OFF32_LIBS,      "XBS5_ILP32_OFF32_LIBS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_ILP32_OFF32_LIBS,      "_XBS5_ILP32_OFF32_LIBS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_ILP32_OFF32_LINTFLAGS, "XBS5_ILP32_OFF32_LINTFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_ILP32_OFF32_LINTFLAGS, "_XBS5_ILP32_OFF32_LINTFLAGS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_ILP32_OFFBIG_CFLAGS,   "XBS5_ILP32_OFFBIG_CFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_ILP32_OFFBIG_CFLAGS,   "_XBS5_ILP32_OFFBIG_CFLAGS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_ILP32_OFFBIG_LDFLAGS,  "XBS5_ILP32_OFFBIG_LDFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_ILP32_OFFBIG_LDFLAGS,  "_XBS5_ILP32_OFFBIG_LDFLAGS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_ILP32_OFFBIG_LIBS,     "XBS5_ILP32_OFFBIG_LIBS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_ILP32_OFFBIG_LIBS,     "_XBS5_ILP32_OFFBIG_LIBS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_ILP32_OFFBIG_LINTFLAGS, "XBS5_ILP32_OFFBIG_LINTFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_ILP32_OFFBIG_LINTFLAGS, "_XBS5_ILP32_OFFBIG_LINTFLAGS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_LP64_OFF64_CFLAGS,     "XBS5_LP64_OFF64_CFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_LP64_OFF64_CFLAGS,     "_XBS5_LP64_OFF64_CFLAGS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_LP64_OFF64_LDFLAGS,    "XBS5_LP64_OFF64_LDFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_LP64_OFF64_LDFLAGS,    "_XBS5_LP64_OFF64_LDFLAGS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_LP64_OFF64_LIBS,       "XBS5_LP64_OFF64_LIBS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_LP64_OFF64_LIBS,       "_XBS5_LP64_OFF64_LIBS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_LP64_OFF64_LINTFLAGS,  "XBS5_LP64_OFF64_LINTFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_LP64_OFF64_LINTFLAGS,  "_XBS5_LP64_OFF64_LINTFLAGS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_LPBIG_OFFBIG_CFLAGS,   "XBS5_LPBIG_OFFBIG_CFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_LPBIG_OFFBIG_CFLAGS,   "_XBS5_LPBIG_OFFBIG_CFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_LPBIG_OFFBIG_LDFLAGS,  "XBS5_LPBIG_OFFBIG_LDFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_LPBIG_OFFBIG_LDFLAGS,  "_XBS5_LPBIG_OFFBIG_LDFLAGS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_LPBIG_OFFBIG_LIBS,     "XBS5_LPBIG_OFFBIG_LIBS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_LPBIG_OFFBIG_LIBS,     "_XBS5_LPBIG_OFFBIG_LIBS",
                CONFSTR,        NOFLAGS,

        _CS_XBS5_LPBIG_OFFBIG_LINTFLAGS, "XBS5_LPBIG_OFFBIG_LINTFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_XBS5_LPBIG_OFFBIG_LINTFLAGS, "_XBS5_LPBIG_OFFBIG_LINTFLAGS",
                CONFSTR,        NOFLAGS,

        /*
         * UNIX 03 confstr() additions for compilation environments
         */
        _CS_POSIX_V6_ILP32_OFF32_CFLAGS, "POSIX_V6_ILP32_OFF32_CFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_POSIX_V6_ILP32_OFF32_LDFLAGS, "POSIX_V6_ILP32_OFF32_LDFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_POSIX_V6_ILP32_OFF32_LIBS, "POSIX_V6_ILP32_OFF32_LIBS",
                CONFSTR,        NOFLAGS,
        _CS_POSIX_V6_ILP32_OFFBIG_CFLAGS, "POSIX_V6_ILP32_OFFBIG_CFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_POSIX_V6_ILP32_OFFBIG_LDFLAGS, "POSIX_V6_ILP32_OFFBIG_LDFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_POSIX_V6_ILP32_OFFBIG_LIBS, "POSIX_V6_ILP32_OFFBIG_LIBS",
                CONFSTR,        NOFLAGS,
        _CS_POSIX_V6_LP64_OFF64_CFLAGS, "POSIX_V6_LP64_OFF64_CFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_POSIX_V6_LP64_OFF64_LDFLAGS, "POSIX_V6_LP64_OFF64_LDFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_POSIX_V6_LP64_OFF64_LIBS, "POSIX_V6_LP64_OFF64_LIBS",
                CONFSTR,        NOFLAGS,
        _CS_POSIX_V6_LPBIG_OFFBIG_CFLAGS, "POSIX_V6_LPBIG_OFFBIG_CFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_POSIX_V6_LPBIG_OFFBIG_LDFLAGS, "POSIX_V6_LPBIG_OFFBIG_LDFLAGS",
                CONFSTR,        NOFLAGS,
        _CS_POSIX_V6_LPBIG_OFFBIG_LIBS, "POSIX_V6_LPBIG_OFFBIG_LIBS",
                CONFSTR,        NOFLAGS,
        _CS_POSIX_V6_WIDTH_RESTRICTED_ENVS, "POSIX_V6_WIDTH_RESTRICTED_ENVS",
                CONFSTR,        NOFLAGS,
        /* End of UNIX 03 compilation environments */

#ifdef  _SC_2_C_VERSION         /* POSIX.2 table B-4 */
        _SC_2_C_VERSION,        "_POSIX2_C_VERSION",    SYSCONF,   NOFLAGS,
#else
        _POSIX2_C_VERSION,      "_POSIX2_C_VERSION",    SELFCONF,   NOFLAGS,
#endif

/*
 * XPG4 support BEGINS
 */

#ifndef CHARCLASS_NAME_MAX
#define CHARCLASS_NAME_MAX      -1
#endif
#ifndef CHAR_BIT
#define CHAR_BIT        -1
#endif
#ifndef CHAR_MAX
#define CHAR_MAX        -1
#endif
```

```
#ifndef CHAR_MIN
#define CHAR_MIN        -1
#endif
#ifndef INT_MAX
#define INT_MAX -1
#endif
#ifndef INT_MIN
#define INT_MIN -1
#endif
#ifndef LONG_BIT
#define LONG_BIT        -1
#endif
#ifndef LONG_MAX
#define LONG_MAX        -1
#endif
#ifndef LONG_MIN
#define LONG_MIN        -1
#endif
#ifndef MB_LEN_MAX
#define MB_LEN_MAX      -1
#endif
#ifndef NL_NMAX
#define NL_NMAX -1
#endif
#ifndef NL_ARGMAX
#define NL_ARGMAX       -1
#endif
#ifndef NL_LANGMAX
#define NL_LANGMAX      -1
#endif
#ifndef NL_MSGMAX
#define NL_MSGMAX       -1
#endif
#ifndef NL_SETMAX
#define NL_SETMAX       -1
#endif
#ifndef NL_TEXTMAX
#define NL_TEXTMAX      -1
#endif
#ifndef NZERO
#define NZERO   -1
#endif
#ifndef SCHAR_MAX
#define SCHAR_MAX       -1
#endif
#ifndef SCHAR_MIN
#define SCHAR_MIN       -1
#endif
#ifndef SHRT_MAX
#define SHRT_MAX        -1
#endif
#ifndef SHRT_MIN
#define SHRT_MIN        -1
#endif
#ifndef TMP_MAX
#define TMP_MAX -1
#endif
#ifndef WORD_BIT
#define WORD_BIT        -1
#endif


#ifndef _XOPEN_XPG2
#define _XOPEN_XPG2     -1
#endif
#ifndef _XOPEN_XPG3
```

```
#define _XOPEN_XPG3     -1
#endif
#ifndef _XOPEN_XPG4
#define _XOPEN_XPG4     -1
#endif

        /*
         * the following are values that we should find in <limits.h>
         * so we use SELFCONF here.
         *
         */

        /* POSIX.1-1990 */
        CHARCLASS_NAME_MAX,     "CHARCLASS_NAME_MAX",     SELFCONF,   NOFLAGS,
        SSIZE_MAX,              "SSIZE_MAX",    SELFCONF,   NOFLAGS,

        /* POSIX.1-1988 */
        CHAR_BIT,               "CHAR_BIT",     SELFCONF,   NOFLAGS,
        CHAR_MAX,               "CHAR_MAX",     SELFCONF,   NOFLAGS,
        CHAR_MIN,               "CHAR_MIN",     SELFCONF,   NOFLAGS,
        INT_MAX,                "INT_MAX",      SELFCONF,   NOFLAGS,
        INT_MIN,                "INT_MIN",      SELFCONF,   NOFLAGS,
        LONG_BIT,               "LONG_BIT",     SELFCONF,   NOFLAGS,
        LONG_MAX,               "LONG_MAX",     SELFCONF,   NOFLAGS,
        LONG_MIN,               "LONG_MIN",     SELFCONF,   NOFLAGS,
        MB_LEN_MAX,             "MB_LEN_MAX",   SELFCONF,   NOFLAGS,
        NL_NMAX,                "NL_NMAX",      SELFCONF,   NOFLAGS,
        NL_ARGMAX,              "NL_ARGMAX",    SELFCONF,   NOFLAGS,
        NL_LANGMAX,             "NL_LANGMAX",   SELFCONF,   NOFLAGS,
        NL_MSGMAX,              "NL_MSGMAX",    SELFCONF,   NOFLAGS,
        NL_SETMAX,              "NL_SETMAX",    SELFCONF,   NOFLAGS,
        NL_TEXTMAX,             "NL_TEXTMAX",   SELFCONF,   NOFLAGS,
        NZERO,                  "NZERO",        SELFCONF,   NOFLAGS,
        SCHAR_MAX,              "SCHAR_MAX",    SELFCONF,   NOFLAGS,
        SCHAR_MIN,              "SCHAR_MIN",    SELFCONF,   NOFLAGS,
        SHRT_MAX,               "SHRT_MAX",     SELFCONF,   NOFLAGS,
        SHRT_MIN,               "SHRT_MIN",     SELFCONF,   NOFLAGS,
        TMP_MAX,                "TMP_MAX",      SELFCONF,   NOFLAGS,

        /*
         * for the unsigned maximums, we cannot rely on the value -1
         * to indicate "undefined".
         */
#ifndef UCHAR_MAX
        0,                      "UCHAR_MAX",    SELFCONF,   UNDEFINED,
#else
        (long)UCHAR_MAX,        "UCHAR_MAX",    SELFCONF,   UNSIGNED_VALUE,
#endif /* UCHAR_MAX */
#ifndef UINT_MAX
        0,                      "UINT_MAX",     SELFCONF,   UNDEFINED,
#else
        (long)UINT_MAX,         "UINT_MAX",     SELFCONF,   UNSIGNED_VALUE,
#endif /* UINT_MAX */
#ifndef ULONG_MAX
        0,                      "ULONG_MAX",    SELFCONF,   UNDEFINED,
#else
        (long)ULONG_MAX,        "ULONG_MAX",    SELFCONF,   UNSIGNED_VALUE,
#endif /* ULONG_MAX */
#ifndef USHRT_MAX
        0,                      "USHRT_MAX",    SELFCONF,   UNDEFINED,
#else
        (long)USHRT_MAX,        "USHRT_MAX",    SELFCONF,   UNSIGNED_VALUE,
#endif /* USHRT_MAX */
#ifndef SIZE_MAX
        0,                      "SIZE_MAX",     SELFCONF,   UNDEFINED,
#else
```

```
        (long)SIZE_MAX,         "SIZE_MAX",     SELFCONF,   UNSIGNED_VALUE,
#endif /* SIZE_MAX */

        WORD_BIT,               "WORD_BIT",     SELFCONF,   NOFLAGS,

        /* XPG4 Version 2 */
        _XOPEN_IOV_MAX,         "_XOPEN_IOV_MAX",  SELFCONF, NOFLAGS,

        /* UNIX 03 */
        _XOPEN_NAME_MAX,        "_XOPEN_NAME_MAX", SELFCONF, NOFLAGS,
        _XOPEN_PATH_MAX,        "_XOPEN_PATH_MAX", SELFCONF, NOFLAGS,

        /*
         * The following are defined via sysconf().  These are considered
         * an extension to sysconf().
         * The -0 is needed if _XOPEN_XPG? is defined to be an empty string.
         */
        _XOPEN_XPG2-0,          "_XOPEN_XPG2",  SELFCONF,    NOFLAGS,
        _XOPEN_XPG3-0,          "_XOPEN_XPG3",  SELFCONF,    NOFLAGS,
        _XOPEN_XPG4-0,          "_XOPEN_XPG4",  SELFCONF,    NOFLAGS,

        /*
         * The following should be provided by sysconf() (e.g use SYSCONF),
         * so we  look for the appropriate _SC_* symbol in <unistd.h>.
         * If it is not defined, then we use SELFCONF with the value of -1.
         */
        _SC_XOPEN_VERSION,      "_XOPEN_VERSION",       SYSCONF,   NOFLAGS,
        _SC_XOPEN_XCU_VERSION,  "_XOPEN_XCU_VERSION",   SYSCONF,   NOFLAGS,
        _SC_XOPEN_CRYPT,        "_XOPEN_CRYPT",         SYSCONF,   NOFLAGS,
        _SC_XOPEN_ENH_I18N,     "_XOPEN_ENH_I18N",      SYSCONF,   NOFLAGS,
        _SC_XOPEN_SHM,          "_XOPEN_SHM",           SYSCONF,   NOFLAGS,

/*
 * XPG4 support ends
 */

/* XPG4, Version 2 support */

        _SC_ATEXIT_MAX,         "ATEXIT_MAX",           SYSCONF,        NOFLAGS,
        _SC_PAGESIZE,           "PAGESIZE",             SYSCONF,        NOFLAGS,
        _SC_PAGE_SIZE,          "PAGE_SIZE",            SYSCONF,        NOFLAGS,
        _SC_XOPEN_UNIX,         "_XOPEN_UNIX",          SYSCONF,        NOFLAGS,
        _SC_IOV_MAX,            "IOV_MAX",              SYSCONF,        NOFLAGS,

/*
 * UNIX 98 - XPG5 additions
 */
        _SC_XOPEN_LEGACY,       "_XOPEN_LEGACY",        SYSCONF,        NOFLAGS,
        _SC_PASS_MAX,           "PASS_MAX",             SYSCONF,        NOFLAGS,
        _SC_AIO_LISTIO_MAX,     "AIO_LISTIO_MAX",       SYSCONF,        NOFLAGS,
        _SC_AIO_MAX,            "AIO_MAX",              SYSCONF,        NOFLAGS,
        _SC_AIO_PRIO_DELTA_MAX, "AIO_PRIO_DELTA_MAX",   SYSCONF,        NOFLAGS,
        _SC_DELAYTIMER_MAX,     "DELAYTIMER_MAX",       SYSCONF,        NOFLAGS,
        _SC_MQ_OPEN_MAX,        "MQ_OPEN_MAX",          SYSCONF,        NOFLAGS,
        _SC_MQ_PRIO_MAX,        "MQ_PRIO_MAX",          SYSCONF,        NOFLAGS,
        _SC_RTSIG_MAX,          "RTSIG_MAX",            SYSCONF,        NOFLAGS,
        _SC_SEM_NSEMS_MAX,      "SEM_NSEMS_MAX",        SYSCONF,        NOFLAGS,
        _SC_SEM_VALUE_MAX,      "SEM_VALUE_MAX",        SYSCONF,        NOFLAGS,
        _SC_SIGQUEUE_MAX,       "SIGQUEUE_MAX",         SYSCONF,        NOFLAGS,
        _SC_TIMER_MAX,          "TIMER_MAX",            SYSCONF,        NOFLAGS,

        _SC_ASYNCHRONOUS_IO,    "_POSIX_ASYNCHRONOUS_IO", SYSCONF,      NOFLAGS,
        _SC_FSYNC,              "_POSIX_FSYNC",         SYSCONF,        NOFLAGS,
        _SC_MAPPED_FILES,       "_POSIX_MAPPED_FILES",  SYSCONF,        NOFLAGS,
        _SC_MEMLOCK,            "_POSIX_MEMLOCK",       SYSCONF,        NOFLAGS,
        _SC_MEMLOCK_RANGE,      "_POSIX_MEMLOCK_RANGE", SYSCONF,        NOFLAGS,
        _SC_MEMORY_PROTECTION,  "_POSIX_MEMORY_PROTECTION", SYSCONF,    NOFLAGS,
        _SC_MESSAGE_PASSING,    "_POSIX_MESSAGE_PASSING", SYSCONF,       NOFLAGS,
        _SC_PRIORITIZED_IO,     "_POSIX_PRIORITIZED_IO", SYSCONF,        NOFLAGS,
        _SC_PRIORITY_SCHEDULING, "_POSIX_PRIORITY_SCHEDULING", SYSCONF, NOFLAGS,
        _SC_REALTIME_SIGNALS,   "_POSIX_REALTIME_SIGNALS", SYSCONF,      NOFLAGS,
        _SC_SEMAPHORES,         "_POSIX_SEMAPHORES",    SYSCONF,        NOFLAGS,

        _SC_SHARED_MEMORY_OBJECTS, "_POSIX_SHARED_MEMORY_OBJECTS",
            SYSCONF,    NOFLAGS,

        _SC_SYNCHRONIZED_IO,    "_POSIX_SYNCHRONIZED_IO", SYSCONF,       NOFLAGS,
        _SC_TIMERS,             "_POSIX_TIMERS",        SYSCONF,        NOFLAGS,

        _SC_LOGIN_NAME_MAX,     "LOGIN_NAME_MAX",       SYSCONF,        NOFLAGS,

        _SC_THREAD_DESTRUCTOR_ITERATIONS, "PTHREAD_DESTRUCTOR_ITERATIONS",
            SYSCONF,    NOFLAGS,

        _SC_THREAD_KEYS_MAX,    "PTHREAD_KEYS_MAX",     SYSCONF,        NOFLAGS,
        _SC_THREAD_STACK_MIN,   "PTHREAD_STACK_MIN",    SYSCONF,        NOFLAGS,
        _SC_THREAD_THREADS_MAX, "PTHREAD_THREADS_MAX",  SYSCONF,        NOFLAGS,

        _SC_THREADS,            "_POSIX_THREADS",       SYSCONF,        NOFLAGS,

        _SC_THREAD_ATTR_STACKADDR, "POSIX_THREAD_ATTR_STACKADDR",
            SYSCONF,    NOFLAGS,
        _SC_THREAD_ATTR_STACKADDR, "_POSIX_THREAD_ATTR_STACKADDR",
            SYSCONF,    NOFLAGS,

        _SC_THREAD_ATTR_STACKSIZE, "POSIX_THREAD_ATTR_STACKSIZE",
            SYSCONF,    NOFLAGS,
        _SC_THREAD_ATTR_STACKSIZE, "_POSIX_THREAD_ATTR_STACKSIZE",
            SYSCONF,    NOFLAGS,

        _SC_THREAD_PRIORITY_SCHEDULING, "POSIX_THREAD_PRIORITY_SCHEDULING",
            SYSCONF,    NOFLAGS,
        _SC_THREAD_PRIORITY_SCHEDULING, "_POSIX_THREAD_PRIORITY_SCHEDULING",
            SYSCONF,    NOFLAGS,

        _SC_THREAD_PRIO_INHERIT, "POSIX_THREAD_PRIO_INHERIT",
            SYSCONF,    NOFLAGS,
        _SC_THREAD_PRIO_INHERIT, "_POSIX_THREAD_PRIO_INHERIT",
            SYSCONF,    NOFLAGS,

        _SC_THREAD_PRIO_PROTECT, "POSIX_THREAD_PRIO_PROTECT",
            SYSCONF,    NOFLAGS,
        _SC_THREAD_PRIO_PROTECT, "_POSIX_THREAD_PRIO_PROTECT",
            SYSCONF,    NOFLAGS,

        _SC_THREAD_PROCESS_SHARED, "POSIX_THREAD_PROCESS_SHARED",
            SYSCONF,    NOFLAGS,
        _SC_THREAD_PROCESS_SHARED, "_POSIX_THREAD_PROCESS_SHARED",
            SYSCONF,    NOFLAGS,

        _SC_THREAD_SAFE_FUNCTIONS, "POSIX_THREAD_SAFE_FUNCTIONS",
            SYSCONF,    NOFLAGS,
        _SC_THREAD_SAFE_FUNCTIONS, "_POSIX_THREAD_SAFE_FUNCTIONS",
            SYSCONF,    NOFLAGS,

        _SC_TTY_NAME_MAX,       "TTY_NAME_MAX",         SYSCONF,        NOFLAGS,
        _SC_XOPEN_REALTIME,     "_XOPEN_REALTIME",      SYSCONF,        NOFLAGS,
        _SC_XOPEN_REALTIME_THREADS, "_XOPEN_REALTIME_THREADS", SYSCONF, NOFLAGS,

        /*
         * Due to ambiguity in the standard we need
         * to recognize both the underscored name
```

```
         * and the non-underscored version in the
         * following variables.
         */
        _SC_XBS5_ILP32_OFF32,   "XBS5_ILP32_OFF32",     SYSCONF,        NOFLAGS,
        _SC_XBS5_ILP32_OFF32,   "_XBS5_ILP32_OFF32",    SYSCONF,        NOFLAGS,

        _SC_XBS5_ILP32_OFFBIG,  "XBS5_ILP32_OFFBIG",    SYSCONF,        NOFLAGS,
        _SC_XBS5_ILP32_OFFBIG,  "_XBS5_ILP32_OFFBIG",   SYSCONF,        NOFLAGS,

        _SC_XBS5_LP64_OFF64,    "XBS5_LP64_OFF64",      SYSCONF,        NOFLAGS,
        _SC_XBS5_LP64_OFF64,    "_XBS5_LP64_OFF64",     SYSCONF,        NOFLAGS,

        _SC_XBS5_LPBIG_OFFBIG,  "XBS5_LPBIG_OFFBIG",    SYSCONF,        NOFLAGS,
        _SC_XBS5_LPBIG_OFFBIG,  "_XBS5_LPBIG_OFFBIG",   SYSCONF,        NOFLAGS,

/*
 * UNIX 03 additions for sysconf() names, and names that are not in interfaces
 */
        _SC_REGEXP,             "_POSIX_REGEXP",          SYSCONF,      NOFLAGS,
        _SC_SHELL,              "_POSIX_SHELL",           SYSCONF,      NOFLAGS,
        _SC_HOST_NAME_MAX,      "HOST_NAME_MAX",          SYSCONF,      NOFLAGS,
        _SC_READER_WRITER_LOCKS, "_POSIX_READER_WRITER_LOCKS", SYSCONF, NOFLAGS,
        _SC_IPV6,               "_POSIX_IPV6",            SYSCONF,      NOFLAGS,
        _SC_RAW_SOCKETS,        "_POSIX_RAW_SOCKETS",     SYSCONF,      NOFLAGS,
        _SC_XOPEN_STREAMS,      "_XOPEN_STREAMS",         SYSCONF,      NOFLAGS,
        _SC_SYMLOOP_MAX,        "SYMLOOP_MAX",            SYSCONF,      NOFLAGS,
        _SC_2_PBS,              "_POSIX2_PBS",            SYSCONF,      NOFLAGS,
        _SC_2_PBS_ACCOUNTING,   "_POSIX2_PBS_ACCOUNTING", SYSCONF,      NOFLAGS,
        _SC_2_PBS_CHECKPOINT,   "_POSIX2_PBS_CHECKPOINT", SYSCONF,      NOFLAGS,
        _SC_2_PBS_LOCATE,       "_POSIX2_PBS_LOCATE",     SYSCONF,      NOFLAGS,
        _SC_2_PBS_MESSAGE,      "_POSIX2_PBS_MESSAGE",    SYSCONF,      NOFLAGS,
        _SC_2_PBS_TRACK,        "_POSIX2_PBS_TRACK",      SYSCONF,      NOFLAGS,

        _SC_ADVISORY_INFO,      "_POSIX_ADVISORY_INFO",   SYSCONF,      NOFLAGS,
        _SC_BARRIERS,           "_POSIX_BARRIERS",        SYSCONF,      NOFLAGS,
        _SC_CLOCK_SELECTION,    "_POSIX_CLOCK_SELECTION", SYSCONF,      NOFLAGS,
        _SC_CPUTIME,            "_POSIX_CPUTIME",         SYSCONF,      NOFLAGS,
        _SC_MONOTONIC_CLOCK,    "_POSIX_MONOTONIC_CLOCK", SYSCONF,      NOFLAGS,
        _SC_SPAWN,              "_POSIX_SPAWN",           SYSCONF,      NOFLAGS,
        _SC_SPIN_LOCKS,         "_POSIX_SPIN_LOCKS",      SYSCONF,      NOFLAGS,
        _SC_SPORADIC_SERVER,    "_POSIX_SPORADIC_SERVER", SYSCONF,      NOFLAGS,
        _SC_SS_REPL_MAX,        "_POSIX_SS_REPL_MAX",     SYSCONF,      NOFLAGS,
        _SC_THREAD_CPUTIME,     "_POSIX_THREAD_CPUTIME",   SYSCONF,     NOFLAGS,
        _SC_THREAD_SPORADIC_SERVER, "_POSIX_THREAD_SPORADIC_SERVER",    SYSCONF,
                NOFLAGS,
        _SC_TIMEOUTS,           "_POSIX_TIMEOUTS",        SYSCONF,      NOFLAGS,
        _SC_TRACE,              "_POSIX_TRACE",           SYSCONF,      NOFLAGS,
        _SC_TRACE_EVENT_FILTER, "_POSIX_TRACE_EVENT_FILTER", SYSCONF,   NOFLAGS,
        _SC_TRACE_EVENT_NAME_MAX, "_POSIX_TRACE_EVENT_NAME_MAX", SYSCONF,
                                                                        NOFLAGS,
        _SC_TRACE_INHERIT,      "_POSIX_TRACE_INHERIT",   SYSCONF,      NOFLAGS,
        _SC_TRACE_LOG,          "_POSIX_TRACE_LOG",       SYSCONF,      NOFLAGS,
        _SC_TRACE_NAME_MAX,     "_POSIX_TRACE_NAME_MAX",  SYSCONF,      NOFLAGS,
        _SC_TRACE_SYS_MAX,      "_POSIX_TRACE_SYS_MAX",   SYSCONF,      NOFLAGS,
        _SC_TRACE_USER_EVENT_MAX, "_POSIX_TRACE_USER_EVENT_MAX", SYSCONF,
                                                                        NOFLAGS,
        _SC_TYPED_MEMORY_OBJECTS, "_POSIX_TYPED_MEMORY_OBJECTS",        SYSCONF,
                NOFLAGS,

        /*
         * Due to an ambiguity in the specification, we need to recognize both
         * the underscored POSIX name and the non-underscored name. In addition,
         * we need to permit the use of the _V6_* environment names specified
         * in unistd.h.
         */
        _SC_V6_ILP32_OFF32,     "_V6_ILP32_OFF32",      SYSCONF,        NOFLAGS,
        _SC_V6_ILP32_OFF32,     "_POSIX_V6_ILP32_OFF32", SYSCONF,       NOFLAGS,
        _SC_V6_ILP32_OFF32,     "POSIX_V6_ILP32_OFF32", SYSCONF,        NOFLAGS,

        _SC_V6_ILP32_OFFBIG,    "_V6_ILP32_OFFBIG",     SYSCONF,        NOFLAGS,
        _SC_V6_ILP32_OFFBIG,    "_POSIX_V6_ILP32_OFFBIG", SYSCONF,      NOFLAGS,
        _SC_V6_ILP32_OFFBIG,    "POSIX_V6_ILP32_OFFBIG", SYSCONF,       NOFLAGS,

        _SC_V6_LP64_OFF64,      "_V6_LP64_OFF64",       SYSCONF,        NOFLAGS,
        _SC_V6_LP64_OFF64,      "_POSIX_V6_LP64_OFF64", SYSCONF,        NOFLAGS,
        _SC_V6_LP64_OFF64,      "POSIX_V6_LP64_OFF64",  SYSCONF,        NOFLAGS,

        _SC_V6_LPBIG_OFFBIG,    "_V6_LPBIG_OFFBIG",     SYSCONF,        NOFLAGS,
        _SC_V6_LPBIG_OFFBIG,    "_POSIX_V6_LPBIG_OFFBIG", SYSCONF,      NOFLAGS,
        _SC_V6_LPBIG_OFFBIG,    "POSIX_V6_LPBIG_OFFBIG",  SYSCONF,      NOFLAGS,
/*
 * System V Interface Definition
 */
        _SC_NPROCESSORS_CONF,   "NPROCESSORS_CONF",     SYSCONF,        NOFLAGS,
        _SC_NPROCESSORS_MAX,    "NPROCESSORS_MAX",      SYSCONF,        NOFLAGS,
        _SC_NPROCESSORS_ONLN,   "NPROCESSORS_ONLN",     SYSCONF,        NOFLAGS,
        0,              NULL,   0,      0               /* end of table */
};


/*
 * Print usage message.
 */
static int
usage()
{

        (void) fputs(gettext(
            "usage:\tgetconf [-v specification] system_var\n"
            "\tgetconf [-v specification] path_var pathname\n"
            "\tgetconf -a\n"), stderr);
        return (2);
}


static int
namecmp(const void *a, const void *b)
{
        return (strcoll(((const struct sctab *)a)->name,
            ((const struct sctab *)b)->name));
}


static int
getconf(struct sctab *scp, int argc, char *name, char *file)
{
        register size_t len;
        register char *buffer;
        long value;

        switch (scp->type) {
        case SELFCONF:
                if (argc > 2)
                        return (usage());
                if (scp->flag & UNDEFINED ||
                    (!(scp->flag&UNSIGNED_VALUE) && scp->value == -1)) {
                        /* DO NOT TRANSLATE */
                        (void) printf("undefined\n");
                } else
                        if (scp->flag & UNSIGNED_VALUE)
                                (void) printf("%lu\n", scp->value);
                        else
```

```
                                (void) printf("%ld\n", scp->value);
                break;

        case SYSCONF:
                if (argc > 2)
                        return (usage());
                errno = 0;
                if (scp->flag & UNDEFINED ||
                    (value = sysconf((int)scp->value)) == -1) {
                        if (errno == EINVAL) {
                                (void) fprintf(stderr,
                                    gettext(INVAL_ARG), name);
                                return (1);
                        } else {
                                /* DO NOT TRANSLATE */
                                (void) printf("undefined\n");
                                return (0);
                        }
                } else
                        (void) printf("%ld\n", value);
                break;

        case CONFSTR:
                if (argc > 2)
                        return (usage());
                errno = 0;
                len = confstr((int)scp->value, NULL, (size_t)0);
                if (len == 0)
                        if (errno == EINVAL) {
                                (void) fprintf(stderr, gettext(INVAL_ARG),
                                    name);
                                return (1);
                        } else {
                                /* DO NOT TRANSLATE */
                                (void) printf("undefined\n");
                                return (0);
                        }
                /*
                 * allocate space to store result of constr() into
                 */
                if ((buffer = malloc(len)) == NULL) {
                        (void) fprintf(stderr,
                            gettext("insufficient memory available"));
                        return (1);
                }

                assert(confstr((int)scp->value, buffer, len) != 0);

                (void) printf("%s\n", buffer);
                free(buffer);
                break;

        case PATHCONF:
                if (argc != 3)
                        return (usage());
                errno = 0;
                if ((value = pathconf(file, (int)scp->value)) == -1) {
                        if (errno == EINVAL || errno == 0) {
                                /* Does not support the association */
                                /* DO NOT TRANSLATE */
                                (void) printf("undefined\n");
                                return (0);
                        } else {
                                /* Probably problems with the pathname itself */
                                if (aflag) {
                                        (void) printf("%s\n", file);
                                } else {
                                        (void) printf("%s", file);
                                }
                                return (1);
                        }
                }
                (void) printf("%ld\n", value);
                break;
        }
        return (0);
}

int
main(int argc, char **argv)
{
        register struct sctab *scp;
        int c;
        int exstat = 0;

        (void) setlocale(LC_ALL, "");
#if     !defined(TEXT_DOMAIN)   /* Should be defined by cc -D */
#define TEXT_DOMAIN "SYS_TEST"
#endif
        (void) textdomain(TEXT_DOMAIN);

        while ((c = getopt(argc, argv, "av:")) != -1)
                switch (c) {
                case 'a':
                        aflag = 1;
                        break;
                case 'v':
                        /*
                         * Unix98 adds the -v option to allow
                         * programming 'specifications' to be
                         * indicated, for present purposes
                         * the specification isn't really
                         * doing anything of value, so for
                         * the moment getopt just processes the
                         * option value and argv[1] is adjusted.
                         *
                         * At some later date we might want to
                         * do specification processing at this
                         * point.
                         */
                        break;
                case '?':
                        return (usage());
                }
        argc -= optind-1;
        argv += optind-1;

        if ((aflag && argc >= 2) || (!aflag && argc < 2))
                return (usage());
        if (aflag) {

#define TabStop         8
#define RightColumn     32
#define DefPathName     "."

                /*
                 * sort the table by the "name" field
                 * so we print it in sorted order
                 */
        qsort(&sctab[0], (sizeof (sctab)/sizeof (struct sctab))-1,
            sizeof (struct sctab), namecmp);
```

```
                /*
                 * print all the known symbols and their values
                 */
                for (scp = &sctab[0]; scp->name != NULL; ++scp) {
                        int stat;

                        /*
                         * create 2 columns:
                         *   variable name in the left column,
                         *   value in the right column.
                         * The right column starts at a tab stop.
                         */
                        (void) printf("%s:\t", scp->name);

                        c = strlen(scp->name) + 1;
                        c = (c+TabStop) / TabStop, c *= TabStop;
                        for (; c < RightColumn; c += TabStop)
                                (void) putchar('\t');

                        /*
                         * for pathconf() related variables that require
                         * a pathname, use "."
                         */
                        stat = getconf(scp, scp->type == PATHCONF ? 3 : 2,
                            scp->name, DefPathName);

                        exstat |= stat;

                        /*
                         * if stat != 0, then an error message was already
                         * printed in getconf(),
                         * so don't need to print one here
                         */
                }
        } else {

                /*
                 * find the name of the specified variable (argv[1])
                 * and print its value.
                 */
                for (scp = &sctab[0]; scp->name != NULL; ++scp)
                        if (strcmp(argv[1], scp->name) == 0) {
                                exstat = getconf(scp, argc, argv[1], argv[2]);
                                break;
                        }

                /*
                 * if at last entry in table, then the user specified
                 * variable is invalid
                 */
                if (scp->name == NULL) {
                        errno = EINVAL;
                        (void) fprintf(stderr, gettext(INVAL_ARG), argv[1]);
                        return (1);
                }
        }
        return (exstat);
}
```

```
**********************************************************
   17516 Fri Sep 27 10:14:08 2013
new/usr/src/man/man1/getconf.1
4146 getconf(1) does not support XATTR_ENABLED, XATTR_EXISTS, SATTR_ENABLED, SAT
**********************************************************
'\" te
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.\" the fields enclosed by brackets "[]" replaced with your own identifying info
.TH GETCONF 1 "Sep 27, 2013"
.TH GETCONF 1 "Jan 16, 2013"
.SH NAME
getconf \- get configuration values
.SH SYNOPSIS
.SS "/usr/bin/getconf, /usr/xpg4/bin/getconf, /usr/xpg6/bin/getconf"
.LP
.nf
\fB/usr/bin/getconf\fR [\fB-v\fR \fIspecification\fR] \fIsystem_var\fR
.fi

.LP
.nf
\fB/usr/bin/getconf\fR [\fB-v\fR \fIspecification\fR] \fIpath_var\fR \fIpathname
.fi

.LP
.nf
\fB/usr/bin/getconf\fR \fB-a\fR
.fi

.LP
.nf
\fB/usr/xpg4/bin/getconf\fR [\fB-v\fR \fIspecification\fR] \fIsystem_var\fR
.fi

.LP
.nf
\fB/usr/xpg4/bin/getconf\fR [\fB-v\fR \fIspecification\fR] \fIpath_var\fR \fIpat
.fi

.LP
.nf
\fB/usr/xpg4/bin/getconf\fR \fB-a\fR
.fi

.LP
.nf
\fB/usr/xpg6/bin/getconf\fR [\fB-v\fR \fIspecification\fR] \fIsystem_var\fR
.fi

.LP
.nf
\fB/usr/xpg6/bin/getconf\fR [\fB-v\fR \fIspecification\fR] \fIpath_var\fR \fIpat
.fi

.LP
.nf
\fB/usr/xpg6/bin/getconf\fR \fB-a\fR
```

```
.fi

.SS "ksh93"
.LP
.nf
\fBgetconf\fR [\fB-abdlpqrtw\fR] [\fB-c\fR RE] [\fB-n\fR RE] [\fB-s\fR RE] [\fB-
.fi

.SH DESCRIPTION
.SS "/usr/bin/getconf, /usr/xpg4/bin/getconf, /usr/xpg6/bin/getconf"
.sp
.LP
In the first synopsis form, the \fBgetconf\fR utility writes to the standard
output the value of the variable specified by \fIsystem_var\fR, in accordance
with \fIspecification\fR if the \fB-v\fR option is used.
.sp
.LP
In the second synopsis form, \fBgetconf\fR writes to the standard output the
value of the variable specified by \fIpath_var\fR for the path specified by
\fIpathname\fR, in accordance with \fIspecification\fR if the \fB-v\fR option
is used.
.sp
.LP
In the third synopsis form, \fBconfig\fR writes to the standard output the
names of the current system configuration variables.
.sp
.LP
The value of each configuration variable is determined as if it were obtained
by calling the function from which it is defined to be available. The value
reflects conditions in the current operating environment.
.SS "ksh93"
.sp
.LP
The \fBgetconf\fR built-in in \fBksh93\fR is associated with the \fB/bin\fR and
\fB/usr/bin\fR paths. It is invoked when \fBgetconf\fR is executed without a
pathname prefix and the pathname search finds a \fB/bin/getconf\fR or
\fB/usr/bin/getconf\fR executable.
.sp
.LP
\fBgetconf\fR displays the system configuration value for \fIname\fR. If
\fIname\fR is a filesystem specific variable, the value is determined relative
to path, or, the current directory, if path is omitted. If \fIvalue\fR is
specified, \fBgetconf\fR attempts to change the process local value to
\fIvalue\fR. \fB-\fR can be used in place of path when it is not relevant. Only
writable variables can be set. \fBreadonly\fR variables cannot be changed.
.sp
.LP
The current value for \fIname\fR is written to the standard output. If
\fIname\fR is valid but undefined, \fBundefined\fR is written to the standard
output. If \fIname\fR is invalid or an error occurs in determining its value, a
diagnostic is written to standard error and \fBgetconf\fR exits with a
\fBnon-zero\fR exit status.
.sp
.LP
More than one variable can be set or queried by providing the \fIname path
value\fR 3-tuple for each variable, specifying \fB-\fR for value when querying.
.sp
.LP
If no operands are specified, all known variables are written in
\fIname\fR\fB=\fR\fIvalue\fR form to the standard output, one per line. Only
one of \fB--call\fR, \fB--name\fR or \fB--standard\fR can be specified.
.SH OPTIONS
.SS "/usr/bin/getconf, /usr/xpg4/bin/getconf, /usr/xpg6/bin/getconf"
.sp
.LP
The following options are supported by \fB/usr/bin/getconf\fR,
\fB/usr/xpg4/bin/getconf\fR, and \fB/usr/xpg6/bin/getconf\fR
.sp
.ne 2
.na
\fB\fB-a\fR\fR
.ad
.RS 19n
Writes the names of the current system configuration variables to the standard
output.
.RE

.sp
.ne 2
.na
\fB\fB-v\fR\fIspecification\fR\fR
.ad
.RS 19n
Gives the specification which governs the selection of values for configuration
variables.
.RE

.SS "ksh93"
.sp
.LP
The following options are supported by the \fBgetconf\fR built-in command in
\fBksh93\fR:
.sp
.ne 2
.na
\fB\fB-a\fR\fR
.ad
.br
.na
\fB\fB--all\fR\fR
.ad
.RS 24n
Call the native \fBgetconf -a\fR.
.RE

.sp
.ne 2
.na
\fB\fB-b\fR\fR
.ad
.br
.na
\fB\fB--base\fR\fR
.ad
.RS 24n
List base variable name without \fBcall\fR and standard prefixes.
.RE

.sp
.ne 2
.na
\fB\fB-c\fR\fR
.ad
.br
.na
\fB\fB--call=\fR\fIRE\fR\fR
.ad
.RS 24n
Display variables with \fBcall\fR prefix that matches \fIRE\fR. The \fBcall\fR
prefixes are:
.RS +4
.TP
```

```
.ie t \(bu
.el o
\fBCS\fR
.sp
\fBconfstr\fR(3C),
.RE
.RS +4
.TP
.ie t \(bu
.el o
\fBPC\fR
.sp
\fBpathconf\fR(2)
.RE
.RS +4
.TP
.ie t \(bu
.el o
\fBSC\fR
.sp
\fBsysconf\fR(3C)
.RE
.RS +4
.TP
.ie t \(bu
.el o
\fBSI\fR
.sp
\fBsysinfo\fR(2)
.RE
.RS +4
.TP
.ie t \(bu
.el o
\fBXX\fR
.sp
Constant value
.RE
.RE

.sp
.ne 2
.na
\fB\fB-d\fR\fR
.ad
.br
.na
\fB\fB--defined\fR\fR
.ad
.RS 24n
Only display defined values when no operands are specified.
.RE

.sp
.ne 2
.na
\fB\fB-l\fR\fR
.ad
.br
.na
\fB\fB--lowercase\fR\fR
.ad
.RS 24n
List variable names in lower case.
.RE
```

```
.sp
.ne 2
.na
\fB\fB-n\fR\fR
.ad
.br
.na
\fB\fB--name=\fR\fIRE\fR\fR
.ad
.RS 24n
Display variables with names that match \fIRE\fR.
.RE

.sp
.ne 2
.na
\fB\fB-p\fR\fR
.ad
.br
.na
\fB\fB--portable\fR\fR
.ad
.RS 24n
Display the named writable variables and values in a form that can be directly
executed by \fBksh93\fR(1) to set the values. If \fIname\fR is omitted, lists
all writable variables.
.RE

.sp
.ne 2
.na
\fB\fB-q\fR\fR
.ad
.br
.na
\fB\fB--quote\fR\fR
.ad
.RS 24n
Quote values (\fB"..."\fR).
.RE

.sp
.ne 2
.na
\fB\fB-r\fR\fR
.ad
.br
.na
\fB\fB--readonly\fR\fR
.ad
.RS 24n
Display the named \fBreadonly\fR variables in \fIname\fR\fB=\fR\fIvalue\fR
form. If \fIname\fR is omitted, lists all \fBreadonly\fR variables.
.RE

.sp
.ne 2
.na
\fB\fB-s\fR\fR
.ad
.br
.na
\fB\fB--standard=\fR\fIRE\fR\fR
.ad
.RS 24n
Display variables with standard prefix that matches \fIRE\fR. Use the
```

```
\fB--table\fR option to view all standard prefixes, including local additions.
.sp
The standard prefixes available on all systems are:
.sp
.in +2
.nf

AES
AST
C
GNU
POSIX
SVID
XBS5
XOPEN
XPG
.fi
.in -2
.sp

.RE

.sp
.ne 2
.na
\fB\fB-t\fR\fR
.ad
.br
.na
\fB\fB--table\fR\fR
.ad
.RS 24n
Display the internal table that contains the name, standard, standard section,
and system call symbol prefix for each variable.
.RE

.sp
.ne 2
.na
\fB\fB-w\fR\fR
.ad
.br
.na
\fB\fB--writable\fR\fR
.ad
.RS 24n
Display the named writable variables in \fIname\fR\fB=\fR\fIvalue\fR form. If
\fIname\fR is omitted, lists all writable variables.
.RE

.sp
.ne 2
.na
\fB\fB-v\fR\fR
.ad
.br
.na
\fB\fB--specification=name\fR\fR
.ad
.RS 24n
Call the native \fBgetconf -v\fR \fIname\fR.
.RE

.SH OPERANDS
.SS "/usr/bin/getconf, /usr/xpg4/bin/getconf, /usr/xpg6/bin/getconf"
.sp
```

```
.LP
The following operands are supported by \fB/usr/bin/getconf\fR,
\fB/usr/xpg4/bin/getconf\fR, and \fB/usr/xpg6/bin/getconf\fR:
.sp
.ne 2
.na
\fB\fIpath_var\fR\fR
.ad
.RS 12n
A name of a configuration variable whose value is available from the
\fBpathconf\fR(2) function. All of the values in the following table are
supported:
.RE

.sp

.sp
.TS
l l l
l l l .
LINK_MAX        PIPE_BUF        _POSIX_CHOWN_RESTRICTED
MAX_CANON       SATTR_ENABLED   _POSIX_NO_TRUNC
MAX_INPUT       SATTR_EXISTS    _POSIX_VDISABLE
NAME_MAX        XATTR_ENABLED
PATH_MAX        XATTR_EXISTS
LINK_MAX        NAME_MAX        _POSIX_CHOWN_RESTRICTED
MAX_CANON       PATH_MAX        _POSIX_NO_TRUNC
MAX_INPUT       PIPE_BUF        _POSIX_VDISABLE
.TE

.sp
.ne 2
.na
\fB\fIpathname\fR\fR
.ad
.RS 14n
A path name for which the variable specified by \fIpath_var\fR is to be
determined.
.RE

.sp
.ne 2
.na
\fB\fIsystem_var\fR\fR
.ad
.RS 14n
A name of a configuration variable whose value is available from
\fBconfstr\fR(3C) or \fBsysconf\fR(3C). All of the values in the following
table are supported:
.RE

.sp

.sp
.TS
l l
l l .
ARG_MAX BC_BASE_MAX
BC_DIM_MAX      BC_SCALE_MAX
BC_STRING_MAX   CHAR_BIT
CHARCLASS_NAME_MAX      CHAR_MAX
CHAR_MIN        CHILD_MAX
CLK_TCK COLL_WEIGHTS_MAX
CS_PATH EXPR_NEST_MAX
HOST_NAME_MAX   INT_MAX
INT_MIN LFS64_CFLAGS
```

```
LFS64_LDFLAGS   LFS64_LIBS
LFS64_LINTFLAGS LFS_CFLAGS
LFS_LDFLAGS     LFS_LIBS
LFS_LINTFLAGS   LINE_MAX
LONG_BIT        LONG_MAX
LONG_MIN        MB_LEN_MAX
NGROUPS_MAX     NL_ARGMAX
NL_LANGMAX      NL_MSGMAX
NL_NMAX NL_SETMAX
NL_TEXTMAX      NPROCESSORS_CONF
NPROCESSORS_MAX NPROCESSORS_ONLN
NZERO   OPEN_MAX
POSIX2_BC_BASE_MAX      POSIX2_BC_DIM_MAX
POSIX2_BC_SCALE_MAX     POSIX2_BC_STRING_MAX
POSIX2_C_BIND   POSIX2_C_DEV
POSIX2_CHAR_TERM        POSIX2_COLL_WEIGHTS_MAX
POSIX2_C_VERSION        POSIX2_EXPR_NEST_MAX
POSIX2_FORT_DEV POSIX2_FORT_RUN
POSIX2_LINE_MAX POSIX2_LOCALEDEF
POSIX2_RE_DUP_MAX       POSIX2_SW_DEV
POSIX2_SYMLINKS POSIX2_UPE
POSIX2_VERSION  POSIX_ALLOC_SIZE_MIN
POSIX_REC_INCR_XFER_SIZE        POSIX_REC_MAX_XFER_SIZE
POSIX_REC_MIN_XFER_SIZE POSIX_REC_XFER_ALIGN
POSIX_V6_ILP32_OFF32    POSIX_V6_ILP32_OFF32_CFLAGS
POSIX_V6_ILP32_OFF32_LDFLAGS    POSIX_V6_ILP32_OFF32_LIBS
POSIX_V6_ILP32_OFFBIG   POSIX_V6_ILP32_OFFBIG_CFLAGS
POSIX_V6_ILP32_OFFBIG_LDFLAGS   POSIX_V6_ILP32_OFFBIG_LIBS
POSIX_V6_LP64_OFF64     POSIX_V6_LP64_OFF64_CFLAGS
POSIX_V6_LP64_OFF64_LDFLAGS     POSIX_V6_LP64_OFF64_LIBS
POSIX_V6_LPBIG_OFFBIG   POSIX_V6_LPBIG_OFFBIG_CFLAGS
POSIX_V6_LPBIG_OFFBIG_LDFLAGS   POSIX_V6_LPBIG_OFFBIG_LIBS
POSIX_V6_WIDTH_RESTRICTED_ENVS  SYMLINK_MAX
SYMLOOP_MAX     _POSIX2_BC_BASE_MAX
_POSIX2_BC_DIM_MAX      _POSIX2_BC_SCALE_MAX
_POSIX2_BC_STRING_MAX   _POSIX2_CHARCLASS_NAME_MAX
_POSIX2_CHAR_TERM       _POSIX2_COLL_WEIGHTS_MAX
_POSIX2_C_BIND  _POSIX2_C_DEV
_POSIX2_C_VERSION       _POSIX2_EXPR_NEST_MAX
_POSIX2_FORT_DEV        _POSIX2_FORT_RUN
_POSIX2_LINE_MAX        _POSIX2_LOCALEDEF
_POSIX2_PBS     _POSIX2_PBS_ACCOUNTING
_POSIX2_PBS_CHECKPOINT  _POSIX2_PBS_LOCATE
_POSIX2_PBS_MESSAGE     _POSIX2_PBS_TRACK
_POSIX2_RE_DUP_MAX      _POSIX2_SW_DEV
_POSIX2_UPE     _POSIX2_VERSION
_POSIX_ADVISORY_INFO    _POSIX_AIO_LISTIO_MAX
_POSIX_AIO_MAX  _POSIX_ARG_MAX
_POSIX_ASYNC_IO _POSIX_BARRIERS
_POSIX_CHILD_MAX        _POSIX_CLOCKRES_MIN
_POSIX_CLOCK_SELECTION  _POSIX_CPUTIME
_POSIX_DELAYTIMER_MAX   _POSIX_HOST_NAME_MAX
_POSIX_IPV6     _POSIX_JOB_CONTROL
_POSIX_LINK_MAX _POSIX_LOGIN_NAME_MAX
_POSIX_MAX_CANON        _POSIX_MAX_INPUT
_POSIX_MONOTONIC_CLOCK  _POSIX_MQ_OPEN_MAX
_POSIX_MQ_PRIO_MAX      _POSIX_NAME_MAX
_POSIX_NGROUPS_MAX      _POSIX_OPEN_MAX
_POSIX_PATH_MAX _POSIX_PIPE_BUF
_POSIX_PRIO_IO  _POSIX_RAW_SOCKETS
_POSIX_READER_WRITER_LOCKS      _POSIX_REGEXP
_POSIX_RE_DUP_MAX       _POSIX_RTSIG_MAX
_POSIX_SAVED_IDS        _POSIX_SEM_NSEMS_MAX
_POSIX_SEM_VALUE_MAX    _POSIX_SHELL
_POSIX_SIGQUEUE_MAX     _POSIX_SPAWN
_POSIX_SPIN_LOCKS       _POSIX_SPORADIC_SERVER
```

```
_POSIX_SSIZE_MAX        _POSIX_SS_REPL_MAX
_POSIX_STREAM_MAX       _POSIX_SYMLINK_MAX
_POSIX_SYMLOOP_MAX      _POSIX_SYNC_IO
_POSIX_THREAD_ATTR_STACKADDR    _POSIX_THREAD_ATTR_STACKSIZE
_POSIX_THREAD_CPUTIME   _POSIX_THREAD_DESTRUCTOR_ITERATIONS
_POSIX_THREAD_KEYS_MAX  _POSIX_THREAD_PRIORITY_SCHEDULING
_POSIX_THREAD_PRIO_INHERIT      _POSIX_THREAD_PRIO_PROTECT
_POSIX_THREAD_PROCESS_SHARED    _POSIX_THREAD_SAFE_FUNCTIONS
_POSIX_THREAD_SPORADIC_SERVER   _POSIX_THREAD_THREADS_MAX
_POSIX_TIMEOUTS _POSIX_TIMER_MAX
_POSIX_TRA_POSIX_TIMER_MAXCE    _POSIX_TIMESTAMP_RESOLUTION
_POSIX_TRACE_EVENT_FILTER       _POSIX_TRACE_EVENT_NAME_MAX
_POSIX_TRACE_INHERIT    _POSIX_TRACE_LOG
_POSIX_TRACE_NAME_MAX   _POSIX_TRACE_SYS_MAX
_POSIX_TRACE_USER_EVENT_MAX     _POSIX_TTY_NAME_MAX
_POSIX_TYPED_MEMORY_OBJECTS     _POSIX_TZNAME_MAX
_POSIX_VERSION  _POSIX_V6_ILP32_OFF32
_POSIX_V6_ILP32_OFFBIG  _POSIX_V6_LP64_OFF64
_POSIX_V6_LPBIG_OFFBIG  _V6_ILP32_OFF32
_V6_ILP32_OFFBIG        _V6_LP64_OFF64
_V6_LPBIG_OFFBIG        RE_DUP_MAX
SCHAR_MAX       SCHAR_MIN
SHRT_MAX        SHRT_MIN
SSIZE_MAX       STREAM_MAX
TMP_MAX TZNAME_MAX
UCHAR_MAX       UINT_MAX
ULONG_MAX       USHRT_MAX
WORD_BIT        XBS5_ILP32_OFF32
XBS5_ILP32_OFF32_CFLAGS XBS5_ILP32_OFF32_LDFLAGS
XBS5_ILP32_OFF32_LIBS   XBS5_ILP32_OFF32_LINTFLAGS
XBS5_ILP32_OFFBIG       XBS5_ILP32_OFFBIG_CFLAGS
XBS5_ILP32_OFFBIG_LDFLAGS       XBS5_ILP32_OFFBIG_LIBS
XBS5_ILP32_OFFBIG_LINTFLAGS     XBS5_LP64_OFF64
XBS5_LP64_OFF64_CFLAGS  XBS5_LP64_OFF64_LDFLAGS
XBS5_LP64_OFF64_LIBS    XBS5_LP64_OFF64_LINTFLAGS
XBS5_LPBIG_OFFBIG       XBS5_LPBIG_OFFBIG_CFLAGS
XBS5_LPBIG_OFFBIG_LDFLAGS       XBS5_LPBIG_OFFBIG_LIBS
XBS5_LPBIG_OFFBIG_LINTFLAGS     _XOPEN_CRYPT
_XOPEN_ENH_I18N _XOPEN_IOV_MAX
_XOPEN_LEGACY   _XOPEN_NAME_MAX
_XOPEN_PATH_MAX _XOPEN_SHM
_XOPEN_STREAMS  _XOPEN_VERSION
_XOPEN_XCU_VERSION      _XOPEN_XPG2
_XOPEN_XPG3     _XOPEN_XPG4
.TE

.sp
.LP
The symbol \fBPATH\fR also is recognized, yielding the same value as the
\fBconfstr()\fR name value \fBCS_PATH\fR.
.SH USAGE
.sp
.LP
See \fBlargefile\fR(5) for the description of the behavior of
\fB/usr/bin/getconf\fR when encountering files greater than or equal to 2 Gbyte
( 2^31 bytes).
.SH EXAMPLES
.LP
\fBExample 1 \fRWriting the Value of a Variable
.sp
.LP
This example illustrates the value of \fB{NGROUPS_MAX}:\fR

.sp
.in +2
.nf
```

```
example% \fBgetconf NGROUPS_MAX\fR
.fi
.in -2
.sp

.LP
\fBExample 2 \fRWriting the Value of a Variable for a Specific Directory
.sp
.LP
This example illustrates the value of \fBNAME_MAX\fR for a specific directory:

.sp
.in +2
.nf
example% \fBgetconf NAME_MAX /usr\fR
.fi
.in -2
.sp

.LP
\fBExample 3 \fRDealing with Unspecified Results
.sp
.LP
This example shows how to deal more carefully with results that might be
unspecified:

.sp
.in +2
.nf
\fBif value=$(getconf PATH_MAX /usr); then
if [ "$value" = "undefined" ]; then
echo PATH_MAX in /usr is infinite.
else
echo PATH_MAX in /usr is $value.
fi
else
echo Error in getconf.
fi\fR
.fi
.in -2

.sp
.LP
For example:

.sp
.in +2
.nf
\fBsysconf(_SC_POSIX_C_BIND);\fR
.fi
.in -2

.sp
.LP
and

.sp
.in +2
.nf
\fBsystem("getconf POSIX2_C_BIND");\fR
.fi
.in -2

.sp
.LP
in a C program could give different answers. The \fBsysconf\fR call supplies a
```

```
value that corresponds to the conditions when the program was either compiled
or executed, depending on the implementation. The \fBsystem\fR call to
\fBgetconf\fR always supplies a value corresponding to conditions when the
program is executed.

.SH ENVIRONMENT VARIABLES
.sp
.LP
See \fBenviron\fR(5) for descriptions of the following environment variables
that affect the execution of \fBgetconf\fR: \fBLANG\fR, \fBLC_ALL\fR,
\fBLC_CTYPE\fR, \fBLC_MESSAGES\fR, and \fBNLSPATH\fR.
.sp
.LP
The following environment variable is supported by the \fBksh93\fR built-in
\fBgetconf\fR command:
.sp
.ne 2
.na
\fB\fB_AST_FEATURES\fR\fR
.ad
.RS 17n
Local writable values that are different from the default are stored in the
\fB_AST_FEATURES\fR environment variable. The \fB_AST_FEATURES\fR value is a
space-separated list of \fIname path value\fR 3-tuples, where \fIname\fR is the
system configuration name, \fIpath\fR is the corresponding path, \fB-\fR if no
path is applicable, and \fIvalue\fR is the system configuration value.
.RE

.SH EXIT STATUS
.sp
.LP
The following exit values are returned:
.sp
.ne 2
.na
\fB\fB0\fR\fR
.ad
.RS 6n
The specified variable is valid and information about its current state was
written successfully.
.RE

.sp
.ne 2
.na
\fB\fB>0\fR\fR
.ad
.RS 6n
An error occurred.
.RE

.SH ATTRIBUTES
.sp
.LP
See \fBattributes\fR(5) for descriptions of the following attributes:
.SS "/usr/bin/getconf, /usr/xpg4/bin/getconf, /usr/xpg6/bin/getconf"
.sp

.sp
.TS
box;
c | c
l | l .
ATTRIBUTE TYPE  ATTRIBUTE VALUE
_
Interface Stability     Committed
```

```
_
Standard        See \fBstandards\fR(5).
.TE

.SS "ksh93"
.sp

.sp
.TS
box;
c | c
l | l .
ATTRIBUTE TYPE  ATTRIBUTE VALUE
_
Interface Stability     See below.
.TE

.sp
.LP
The \fBksh93\fR built-in binding to \fB/bin\fR and \fB/usr/bin\fR is Volatile.
The built-in command-line interface is Committed.
.SH SEE ALSO
.sp
.LP
\fBksh93\fR(1), \fBsh\fR(1), \fBpathconf\fR(2), \fBsysinfo\fR(2),
\fBconfstr\fR(3C), \fBsysconf\fR(3C), \fBattributes\fR(5), \fBenviron\fR(5),
\fBlargefile\fR(5), \fBstandards\fR(5)
```