FILE: NEWSEED.F90

```
1  subroutine newseed()
2
3    implicit none
4
5    integer :: i, j, n, nmax
6    integer, dimension(8) :: val
7    integer, dimension(64) :: f
8    integer, dimension(:), allocatable :: seed
9
10   call date_and_time(VALUES=val)
11
12   call random_seed(SIZE=nmax)
13   if(nmax>64) then
14      write(11,*) 'Seed size is too large:', nmax
15      stop
16   end if
17   allocate(seed(nmax))
18
19   ! generate 64 integers based on current date and time
20   call date_and_time(VALUES=val)
21   f = (val(8)+val(7)*1000+val(6)*60000)
22
23   call random_seed(GET=seed(1:nmax))
24
25   seed(1:nmax) = seed(1:nmax)*f(1:nmax)
26
27   call random_seed(PUT=seed(1:nmax))
28
29 end subroutine newseed
```