keep in constant touch with the land.   "Local time" requires
a knowledge of the ship's position and any record of events at
sea is dependent at present for the hour on the accuracy of the
local time.   Various suggestions are considered by M. Renaud
to avoid the difficulty.   Perhaps the most practical is that
ships' logs be kept in both local and Greenwich time and that
all reports be furnished with the latter time only.   Zone time
is also perfectly practicable.   The reader who has travelled
much at sea can enjoy a relaxing hour in considering his per-
sonal preferences concerning the "how" and "when" of the
daily alteration of the clock.

M. Bigourdan gives a full account of the Egyptian calendar;
M. Maurice Hamy summarizes our present knowledge of the
connection between solar phenomena and terrestrial magnetism
and M. Emile Picard has a brief account of the life and work
of Darboux.   The last of these "Notices" will be read with
interest as showing the varied activities of a scholar who is
known to most of us solely as a pure mathematician.

Minor changes and improvements in the body of the volume
are somewhat more numerous than usual.   One useful feature
is the addition in the Index of references to articles appearing
in the three previous issues.   It will be remembered that the
growth of the Annuaire has required a division of the subjects,
which are now treated in alternate years or at longer intervals.
The new Index will save much trouble in searching previous
volumes.   The principal astronomical events and tidal data
for 1919 are to be found in a supplement.

E. W. Brown.

NOTES.

The April number (volume 19, number 2) of the *Trans-
actions of the American Mathematical Society* contains the fol-
lowing papers: " Proof that certain ideals in a cyclotomic
realm are principal ideals," by H. H. Mitchell; "The order
of primitive groups (III)," by W. A. Manning; "On the
degree of convergence of Birkhoff's series," by W. E. Milne;
" Problems in the theory of ordinary linear differential equa-
tions with auxiliary conditions at more than two points," by
C. E. Wilder; "Transformations of applicable conjugate