EVOLUTION OF CALENDAR

to day, through the time when the are still harvested in Egypt. iunar month was reckoned as a In Central and South America the "year", to the present time of an al-

B. Cotsworth, writing in a recent pub- possible to build then. Their open lication of the Pan American Union, step pyramids, then, were only capa-the well-known Egyptian pyramids ble of determining the year's length were not erected by early monarchs to the 365th day and not the fraction of that realm as monuments to their greatness nor as tombs for their bodies; but were huge sun dials with the aid of which the yearly precession of the equinoxes was discovered and the calendar devised.

The pyramids were constructed by mathematicians and astronomers, Mr. Gotsworth holds. The size, height and slopes of each being determined to aid astronomy. Each of the piles in lower Egypt was built at a different period, until the last was found to be the more nearly perfect for studying the sun and stars on the meridian of Egypt. Not until each was abandoned for a better he claims, was a pyramid given over to the uses of a royal tomb.

with the obelisk, was devised to cast a shadow of sufficient sharpness to be measured and analysed day by day. The wonderful Washington monument, at Washington, D. C., which shadow measurements found to be statement which state police officers constructed perfectly from base to identified as a voluntary confession peak, while following the form of the by the young woman. Egyptian obelisk, is too high, he The alleged confess found to cast a shadow useful for solar measurements. The blending of the sun's rays around the top, at that distance, blurs the shadow. However, he declared, the shodow was used for certain measurements which proves that Sontonber 22 and the state of the state of the shadow. However, he declared, the shodow was used for certain measurements which proves that Sontonber 22 and the state of the shodow was used for certain measurements which proves that the shadow useful for solar than the shadow. However, he declared, the shadow useful for solar than the shadow useful for solar than the shadow useful for solar than the shadow. However, he declared, the shadow useful for solar than the s that September 23 and not the 21st is he were 'over there' the day of the fall equinox.

and along its sides the early astronomer gazed to mark the movements
of the stars and planets.

Of the statement without emotion.

Her attorneys contend she confessed under duress. Prosecution witnesses have denied the charge.

Stonehenge, an ancient monolithic ruin in England, attributed to the in her being charged with the slaying means of determining solar and lunar husband, Romie Hodell. means of determining sound to the movements, it was said, as was the Officers were engaged with the purpose also of several other similar mystery surrounding her husband's mystery surrounding her husband's ancient stone constructions in various death, it was said, when one of the parts of the world.

The primary reason for the calen-dar in early days was the need of "that she poisoned the old man." knowing when to sow and reap, how to handle cattle and to determine oth- developed a stronger case, it was er propitious days. All peoples, it is said, than could be made of the death supposed, used the periods of the of the younger Hodell. The woman moon as their longest time space, but will face a charge of slaying her husthis was varied and unequal through the year. Neah, it was said, adopted the early Egyptian calendar of a five month year, 30 days to the month and three ten-day weeks, as a better way to ration the tribal supplies.

Bundles of small sticks were the ing track of the passage of days, and even today some American Indians keep five bundles of 30 sticks, pulling autics to Langley field for their annuout one stick each day. The last bun- al meeting, and will take them back dle is repeated in each half year to to Washington tonight. The party in-even things up, and the middle bun-cluded Commander Jerome C. Junsadle is split in two equal groups to de-termine the approach of mid-summer of the naval bureau of aeronautics. and mid-winter days. In the Fiji Isl-ands the "moon stick" was used, on which a notch marked the waning of succeed Rear Admiral D. W. Taylor,

The Hebrews evolved a six month upon his retirement from actice duty. year when Jacob set out stakes from Others in the party were Dr. Chas. rizon to mark where the sun rose and sonian Institution, chairman of the dian day of the year. The extreme ages given to early Bible worthies were attributed to counting "moons" Baltimore, chairman of the executive

was explained, was the secrecy attending the determining of the sensons and years. Sacred rods used to measure the shadows by which the time of years was determined, were jealously guarded, and when, on the set date, the priests measured out on the ground the lengths of the shad-vietory, assistant secretary. the ground the lengths of the shad- Victory, assistant secretary. ows, the ceremony was accompanied by great show.

makers among the Dyaks have secret trict attorney's office today, will be measuring poles. They travel over the demand of the state at the trial the country setting up measuring of Mrs. Clara Phillips for the murder rods and sutting in the ground pegs at certain distances by the secret rods. They tell the farmers to plant, cultivate or reap when the pole's shadow touches certain pegs in the middle of the day. At the end of the hammer July 12 last, in an isolated maddle of the day. At the end of the hammer July 12 last, in an isolated harvest they return and gather the part of the city. tithes of the crops which are their

of the early Egyptian astronomers, according to the writer, that they were able to determine to the third decimal point the exact length of the wins. Keep your ad in The G

year, which they set at 365,242 days. The famous Egyptian Sphinx is neither a monument nor a tomb, Mr. Cotsworth declares, but was designed and built primarily as another tronomical instrument by which the suprise and setting points of spring, summer and winter were fixed. That measurement was not so accurate as ow, so was abandoned in favor of the

According to Mr. Cotsworth's theory, the early Egyptians were faced with the reed of maintaining and increasing their population to ward off invasion by the Assyrians on the north and the Ethiopians on the south. To do so they had to increase their food supplies. As no more tilla-ble land was available it was up to them to increase the yield of their lands by intensive and careful farmmg. It was then necessary to know just exactly when to sow and when to reap, and such intensive crops could only be developed by locating the precise points in the seasons. Precise knowledge depended upon

study of the sun, and as the Egypt-

Soothes and Heals.

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ians had neither telescope nor sun A ROMANCE OF MAN. glass observation of shadows was developed. To have better shadows the pyramid was gradually evolved as fution of the calendar, from the days a huge sun dial, and the need was ful-when man could count only from day filled. Three crops of certain grains

most universally used time counting zations also devised calendars, such system, is a remance of the history as the Aztec calendar stone now in of man. Piecing together the few the museum at Mexico City, Being so known facts of the calendar's life much closer to the equator than the story, scientists have found different interpretations and uses for well-known facts and remains of early life, cause an increased angle of slope For instance, according to Moses would be necessary and this was im-

POISONED COFFEE OF HER FATHER-IN-LAW

Mrs. Meda Hodell, 20 Years Old, Charged With Murder Of Her 64-Year-Old Father-In-Law, David Hodell.

WHITE CLOUD, Mich., Oct. 19. -The State was believed today to he near the close of its ease against Mrs. The pyramidal form, in conjunction Meda Hodell, 20 years old, who is on

The alleged confession relates that

The pyramid was the result of the poison was placed in Hodell's coffee. Mrs. Hodell listened to the reading

remarks by relatives of Mrs. Hodell led to the investigation that resulted was another mechanical of her father-in-law, as well as her

defendant's brothers asked a state po-

The new angle was followed up and

Bundles of small sticks were the first known means of actually keepThe President's yacht Mayflower former chief instructor of the navy,

a central position in a line to the ho- D. Walcott, secretary of the Smithset on the longest, shortest and me- committee; Dr. Samuel W. Stratton, as years and later five and six months as full years.

One of the means used by the early priesthoods, to impress the masses, it chief of the naval bureau of aeronau.

Today, in Bornee, expert calendar for a life, it was learned at the dis-

It is believed here insanity will be the chief basis of the defense. Alien-So accurate were the measurements lists for both the state and defense

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