### DESERET EVENING NEWS SATURDAY DECEMBER 12 1908

## RATIO OF THE SEXES

for the numerical proportions between the sexes is made by writer in the Revue Scientinque. It is generally supposed that there is no notable difference in their numbers. This opinion is based principally on the study of man where the proportion of males to females is 103 to 100, out of rather more than 10,000,000 births under examination. But this proportion does not hold good for the lower animals. In a certain species of toad there are fewer males born than females. Montgomery, an American naturalist, who has been studying the numerical ratio of sexes in a largo North American spider (Latrodecitus North American sphere (Latrodectus mactans), has found after examining 41,473 young spiders newly born that eight males are born for every female; and after completing his observations and after completing his observations by examining some other species of spiders he found that the proportion of the sexes is different in different species and may even serve as a spe-cific character. This fact will appear unusual to naturalists, who are ac-customed to find in collections more adult females than makes, but this re-sults simply from the comparative longevity of the females. He suggests as a working theory that if among the lower animals the males are more vig-orous than the females, then the number of males in a species may be slight-ly less than the number of females. But when the males are less well en-dowed than the females for the strug-gle of life, and when they die frequent-ly before maturing, then in that species the number of females exceeds that of the munder of the case with spidthe males. Such is the case with spid-

. . .

Snakes do not usually take up their habitation in caves, but some, years ago snakes were found in certain cav-erns of the Malay peninsula. They feed on the cave bats, and their color-ing is remarkagly like that of the cave walls. Their resemblance would be of no use to them for protective purposes, but as they ferquent the mouth of the cave, seizing there the unfortunate bats which are making their way in or out, they may have ar-rived at some adaptation of the laws of nature selection. Mr. Lydekker men-tions in Knowledge that a new species Snakes do not usually take up their Their wity in or out, they may more all pitcher of the laws of nature selection. Mr. Lydekker mentions in Knowledge that a new species of cave snake has lately been found in an extremely dark cavern in Tonkin. But this snake, thougn an alled member of the same genus as the Malay snake (well known Asiatic species of Coluber), is of quite different coloring and type. It is argued, therefore, that the resemblance of the Malay species to its surroundings may be purely accidental. Mr. Lydekker adds some observations on cannibal snakes: "The king cobra of southeastern Asia, which occasionally reaches a length of fully is feet, is in the habit of preying on non-venomous serpents of other species. An individual specimen of this snake, measuring a little over 11 feet in length, has, however been seen in Burma carrying another member of its own species in its jaws, much as a terrier carries a rat; while on a second occasion a king cobra had been actually swallowed. Another king cobra has been known to devour the banded crait, while from the stomach of yet another specimen was taken an example of the still more venomous Russel's viper. At first sight these instances suggest that the devourer must be immune to the venom of the devoured but, according to experts, such conclusions are not justified by the present state of our information with regard to the action of serpent poison." Some gratifying success has hately attended the efforts of the Yorkshire Na-Some gratifying success has lately at tended the efforts of the Yorkshire Na-turalists' union to discourage people with guns from testing their provess on rare wild birds; and one man who man skin as a protection against the sun in hot countries. Some nasturtiums were selected as most likely to be senwere selected as most likely to be sen-sitive to exposure to the sun's rays; and a group of ordinary scarlet and or-ange flowers which hitherto had been growing in the partial shade of a brick wall were removed to an altitude of 4,500 feet, where they would be con-stantly exposed to the direct rays of the sun. In two years the colors of this variety had changed from scar-let and orange into a mauve, with the exception of one plant, whose flowers shot a white swallow and another who shot a buzzard have been made to understand—by the magistrates—that this form of stupidity may be expensive and is certainly unpopular. A white swal-low is of sufficient rarity to be of great use in affording information to those who observe bird migration, a subject which we note, is receiving a exception of one plant, whose flowers were changed from the deepost car-mine with velvety blue markings on two of the petals. According to Col. Rawson the mauve variety persisted, and its descendants have not gone good deal of attention in Central good deal of attention in Gentral Europe. In Germany and Denmark a number of young birds have of late years been "marked" by fastening aluminum rings round their legs; and the information thus obtained concerndescendant back to the original colors. Experi-ments with dahlias indicated that their coloration could be as easily changed as that of nasturtiums by using similar means. In respect of the resem-blances between plants and the lower animals, Prof. Bose stated at Dubin that he had been able to detect with accuracy the death point of a plant. An electrical excitatory spasm can be shown to occur at the initiation of death. Prof. Bose disclosed also a nunber of other phenomena which in-dicated what we may call consclous-ness in plants. ing migratory movements is the only one which leads to positive knowledge. The Hungarian central bureau of orni-thology has also now begun the markback to the original colors. Experi ing of young storks, herons, gulls and swallows with the word "Budapest" and a number which corresponds to an entry in the bureau's register. Anyone finding a bird with such a ring is re-quested to send the ring with details to Budapest. The wide distribution of some of the migrants is shown by the some of the migrants is shown by the fact that a house stork, marked in Pomerania, was caught in Africa 15 degrees south of the equator. In plants. In planting trees the first question which the grower asks is how many In Australia, as in other countries, there is considerable danger that many years the tree, ash, or poplar, or oak, will take to grow to a size when it beautiful birds will become extinct ow-

SUGGESTION as to the reasons | ing to the raids made on them for the

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### THE VENERABLE MRS. SAGE.

Mrs. Russell Sage's many gifts and endowments, made since she inherited the vast fortune left by her husband, lead many to suppose that she is endeavoring to make amends for the proverbial parsimoniousness of Mr. Sage. She is here shown seated in her favorite nook in Central Park, New York.

than half a mile deep, would require more mechanical effort to disperse it than London can command. Fujiyama, the snow-clad volcanic summit of which appears in so many pictures of Japan, and which has so large a part in Japanese legend and tradition, is threatened, according to Cosmos, by the advance of civilization. Japan is alwady becoming any con-

horse-power liceessary to set in mo-tion the mere weight of the fog par-ticles over a large area like London. An article by Dr. W. J. S. Lockyer is timely as emphasizing the very great depth as well as extent of some London fors. During a balloon account in which fogs. During a balloon ascent in which he made some photographs of a Lon-don fog below the balloon, he found he made some photographs of a Lon-don fog below the balloon, he found that at a height of 2,500 feet above Bexley (which was some distance from the point of departure at Battersea) the balloon only further are at the source of the source o the balloon only just topped the fog. It would be evident to the meanest in-telligence that a fog extending over an





Harrow You Plow

Cosmos, by the advance of civilization. Japan is already becoming, says our contemporary, the Switzerland of the far east, and the resemblance is to be completed by the construction of a funicular railway on the flanks of the sacred mountain. One may hope that the project is still far from realization, but Cosmos adds that already smM hotels and resthouses for tourists have been run up on the sidese of Fujiyama, where telegraphic and telephone sta-tions are also established. It is even rumored that the summit of the mounrumored that the summit of the moun tain is to be lighted up by electricity, but that we suspect to be a Gallic wit-ticism.—London Morning Post. FLOWER GARDENS IN FLORIDA.

Roses and Violets Bloom During the Entire Winter Season.

In Florida we have roses in midwin-CURE ter and gladiolus from February to June; in fact, we can have them all the year if we choose, says Outing. For vines, the most wonderful is Bignonia venusta, once in a while ratin's bignonia venusta, once in a while getting frost-ed, but climbing to the top of high pines in a single scason and swinging off great arms all the way, 20 to 30 feet long, and every one of them a mass of orange trumpet-shaped flowers by Lanuary. The Cherokee race is Bad Breath, K'Hawking and Spitting Quickly in January. The Cherokee rose is single-flowered, but it climbs all over houses and trees and is a sight worth going far to look at and smell the per-

> In December I found my Brugmanzia in blossom, and wild flowers as a rule begin to expand the latter part of February, although there are some exquis ite little violets and moss-like flowers in January. Violets blossom all the time, and you can grow in great masses the sweet-scented English sorts. Roses you may have in bloom at any season, but their real florescence begins about the first of March. At this season the herons are alighting on your plum trees, occasionally building nests. White egrets are around the lake and occasionally fly over your garden. Alli-gators stay buried in the mud for a couple of months, but show themselves in March. These fellows are utterly harmless, and I have never seen any marks left by them in my lakeside garden, although they do travel over-land from lake to lake. Turtles are dormant for about the same length of time, underground or in the lakes.

#### HE KNEW HIS AUDIENCE.

A celebrated Scottish lawyer had to address the Caledonian equivalent of our supreme court. His "pleading" ocour supreme court. His "pleading" oc-cupled an entire day. After seven hours of almost continuous oratory he went home to supper and was asked to conduct family worship. As he was exhausted, his devotions were brief. "I am ashamed of yc," said the old mother. "To think ye could talk for seven hours up at the coort and dis-miss your Maker in seven minutes." "Aye, verra true," was the reply, "but ye maun mind that the Lord isna sae dull in the uptak as the judgedull in the uptak as the judge ies."-Philadelphia Ledger.

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