The Voice of the Pack

By EDISON MARSHALL

CHAPTER ——Continued.

PREPARE WAR ON INSECT ENEMIES

If Left Undisturbed Bugs of Various Kinds Will Destroy Best Part of Garden.

PESTS HAVE BIG APPETITES

GROW PURPLE VETCH FOR VALUABLE SEED

Advantages of Crop Have Been Known for Years.

Swami and the Judge

By MARTHA MACWILLIAMS

ECSTASY IN THE SALESROOM

WHY DRUGGISTS RECOMMEND SWAMP-ROOT

VALUE OF UNDRAWN POULTRY

BUILDS WEEVIL-PROOF CRIB

WHY MOTHER WAS UNHEEDED

POSSIBILITIES OF GOOD COWS

PUREBRED BULLS UNCERTAIN

UNEARTH ANCIENT TEMPLE

DEFECTIVES IN THE ORIENT

Do you know why it's toasted?

To seal in the delicious Burley flavor

It's toasted.

LUCKY STRIKE CIGARETTE

PALMER'S LOTION

PALMER'S LOTION

Acid Stomach for 10 Years

NOW A DIFFERENT WOMAN

Earnestly Praises Eatonic

Dr. Kellogg's Asthma Remedy

TRUNKS Bags and Suitcases

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ELITE TRUNK FACTORY, Spring Valley, Ill.

Are Your Garments Insured Against Moths?

KREMOLA

W. N. U., CINCINNATI, NO. 32-1921.

SEE RECORD CROP

Western Canada Farmers Rejoice Over Bountiful Harvest.

Favorable Weather and Fertile Land Combine to Pour Riches Into the Hands of Agriculturists.

There are those in nearly every state in the Union who have relatives or friends, or someone they have known, who are residents of some of the provinces of Western Canada. They have gone there to carry on the profession and occupation of farming. Their progress has been carefully watched and such news as may come from them or the country that they have taken partial possession of will be read with interest. Important news just now is the condition of the crops. Newspaper correspondents and government representatives are now in a position, after making a careful survey of conditions, to announce that the crop conditions in Manitoba, Saskatchewan and Alberta carry the promise of an early and bountiful harvest and farmers view the outlook with utmost pleasure. Good growing weather has prevailed since seeding and all cereal crops are well advanced. Wheat headed out has long, heavy heads, and big yields are indicated; predictions are being made that the record production per acre in 1915 will be exceeded. Harvesting began in some sections in the early part of August. An interesting feature of the situation is the fact that there are no bad reports from any part of the country from the Red river to the Rocky mountains and from the International boundary to Peace river. There will also be good fruit, vegetable and root crops.

Most remarkable has been the germination of most of the grain. Marquis wheat sown on May 11 was fully headed out on June 30.

Considerable advancement has taken place in the last few years in the growing of corn. Sunflowers are also being grown quite extensively. Both these do wonderfully well. On July 4 the writer was shown a twenty-acre field of corn that had reached a height of upwards of five feet, while a five-acre field of sunflowers close by, was entering for a keen race skyward. Both will doubtless be used for ensilage, to which will be added a splendid crop of alfalfa or sweet clover, which also have proved very successful. Now that corn, sunflowers, sweet clover and alfalfa have taken a liking to the country, it will mean a period of reconstruction in many farming districts, and mixed farming will supersede the period of "grain mining" that, no matter how fertile the soil, no matter how generous it may be in giving forth from its great storehouse of all the properties that have given to Western Canada its well-earned name of the wheat granary of the world, too much may be asked of it; the departure from this into the sphere of more intensive farming, covering many generalities not before indulged in, will add dollars per acre to the value of this productive land. Those who have watched the progress of Western Canada, have been looking for the day when corn and such like can be grown successfully. It has now arrived.

The cattle and dairy industry will be given an impulse that will attract those who have been wedded to this kind of farm life, while none of the interest that may be taken by the grain grower will be lessened. Already there is an influence following the fact that corn and sunflowers can be grown, that is leading to the erection of silos in many parts of the country, all indicating a growing satisfaction as to the great future that lies before it.

Due chiefly to the drop in costs of materials and wages, farmers throughout the prairie provinces are erecting many buildings this year, says the editor and manager of the Prairie Lumberman, who was a visitor to Vancouver a few days ago. A campaign is under way among the retail lumbermen and farmers, urging the erection of 2,000 silos this year, and this is meeting with success, more plans and specifications having been prepared and more structures being under way probably than at any other time in the history of the West.—Advertisement.

Protection Against Radium.

A physician using radium has to insulate himself thoroughly from its effects. Dr. Belchere of the French Academy of Medicine says they must wear gloves lined with lead, and spectacles containing lead salt; they must handle the radium salts with pincers and sit at the table lined with lead. He is perfecting a lead protector for the heart and lungs, but advises operators to wrap themselves in thin lead sheets.

Jud Tunkins.

Jud Tunkins says nature puts enough scales on a fish to give it more of a bathing suit than some human beings wear.

From Missouri.

Knows a Lot.

Long-Felt Want.

The Lesser Evil.

Flying Reptiles

FLYING reptiles are beginning to come out of the fossil beds of the middle West. The fossil beds have been giving up great numbers of prehistoric monsters of various kinds and sizes for years. And some of them, as reconstructed and put on exhibition, are mighty interesting—so interesting that they are incredible and make a man say, "There never was no such animile; there couldn't be." Most people will probably regard the great flying reptiles as more wonderful even than the giant lizards. To be sure the lizards are whoppers, maybe as long as 85 feet and weighing about twenty tons, but an 18-foot creature that flew all day like a sea-gull and hung itself up by its claws at night like a bat—not a bird, but a flying reptile—crowds a lizard, even an armored or a meat-eating lizard, out of the spotlight.

Anyway, the American Museum of Natural History has placed on exhibition a fine skeleton of the Pteranodon or giant flying reptile from the chalk formation of western Kansas. Its nearest neighbors are a great marine lizard, Tylosaurus, and a giant fish, Portheus, both from the same Kansas formation. Incidentally, do not let the name, Pteranodon phaze you. It really means something: a winged lizard without teeth.

One of the interesting things about these freak prehistoric giants is the fact that they and the formations in which their bones lie tell us a lot about the prehistoric history of our country. It is now certain, for example, that after the Rocky mountains rose up out of the waters, there was a great inland sea east of them, where these giant lizards and flying reptiles disported themselves. Probably ice and snow and rain, wore down the mountain peaks and the rivers carried off the grindings to fill up this inland sea and bury some of the monsters, so that we could find their bones and figure out what they looked like in life.

The Latest Pteranodon.

As to this latest Pteranodon from Kansas, W. D. Matthew of the department of vertebrate palaeontology of the American Museum of Natural History, writes interestingly about it in Natural History. He says, among other things:

The skeleton of the new giant flying reptile at the American museum, while not the largest of its kind, is of quite impressive dimensions. The wings, if stretched out in a straight line, would measure 21 feet from tip to tip; in their present curve, about their actual position in flight, they measure 16 feet between the tips. Nothing of the wing membranes was preserved in this skeleton; but in other kinds of pterodactyls they have been preserved more or less complete, so that it is known that they were thin delicate membranes like wings of bats. The bat's wing, however, is extended upon four out of the five fingers stretched out like the ribs of an umbrella. In the pterodactyl only one finger is elongated for a wing, the membrane being stretched between that and the rather long hind legs. The wing finger was the fourth digit, and the remains of the first three digits, reduced to small claws, can easily be recognized on the upper border of the wing.

The head is a most extraordinary part of the animal. All pterodactyls have large but lightly constructed skulls with a long beak, which in most of them is set with sharp needle-like teeth. The Pteranodon, as its name indicates, is toothless, with a great, sharp-pointed beak somewhat like that of a stork or a kingfisher, and a very light and delicately-constructed skull with an enormous compressed crest stretching backward from it, almost equal to the beak in length.

The neck is moderately long and strong, as would be needed to carry the large head, but the body looks absurdly short and small and the tail is a mere little stub. The backbone between the shoulders is all consolidated into a single piece (called the notarium), just as the backbone between the hip bones is consolidated in most animals into a single piece called the sacrum. The upper end of the shoulder girdle (scapula) is socketed into the side of the notarium, the lower end (coracoid) into the sternum on the under side of the body. This affords a very strong purchase for the wings, stronger even than in birds, which sometimes have the vertebrae partly consolidated like a notarium, but never get so far as to have the scapula socketed into it.

Great Spread of Wing.

The breastbone or sternum is not so unlike the breastbone of a bird. It is a broad flat plate with a high crest projecting forward and downward in the middle line, to which the principal wing muscle is attached. In this specimen, unfortunately, the sternum was missing altogether.

The ribs are very imperfect, short, and little curved. Probably a considerable part of the body basket was cartilaginous, so that it has not been preserved as a fossil. The ribs in this specimen were scattered, and no attept has been made to bring them back to their proper articulations. They have merely been placed near to their proper location.

The extent and limits of the wing membranes as shown on the specimen are theoretical. No pterodactyl of this group has been found in which they are preserved. They have been found, indeed, more or less perfectly preserved, in some of the smaller species from the Solenhofen slate of Bavaria, notably the long-tailed Rhamphorhynchus and the short-tailed Pterodactylus, Scaphognathus, etc. But these more ancient kinds of flying reptiles are much smaller and more primitive, and so different from the great Pteranodon in the proportions of skull and other parts that they may have been very different in the wings as well. The best evidence for reconstructing the wings is the form and proportion of the bones and the probable purposes to which they could be applied. It is difficult to see how a sufficient width could be obtained for the stretched membrane of the wings unless it were extended down along the sides of the hind legs, as Doctor Williston believed, and not merely along the side of the body, as Doctor Seeley supposed. Then if the membrane was stretched on the outer side of each hind leg, it must also have been stretched between them and up to the tail, in order to take the strain off the legs. It may also be supposed that the membrane stretched from the neck out on each side over the shoulders as far as the "pteroid bone," as this would have some obvious mechanical advantages.

In life all the principal bones of pterodactyls were thin, hollow cylinders of an exceptionally hard and flaky quality of bone. Moreover, there are, in some of the bones at least, openings corresponding to those in birds, which serve to allow air to circulate within the hollow cavity of the bone.

Soaring Like a Bird.

This is not the only point in which pterodactyls resemble birds. They have also a much higher type of brain than ordinary reptiles, the cerebellum or hind-brain is large, and, as in birds, the optic lobes are widely separated. It is also probable, in the opinion of some high authorities, that—like birds—they had a rapid circulation of the blood and continuously high body temperature, and were far above the reptilian stage in this respect. Indeed the high type of brain and the active life of a flying animal could hardly be maintained save through a high type of circulation such as mammals and especially birds possess.

I can picture the pteranodon soaring as the great sea birds do today, sweeping tirelessly across the broad glittering surface of the Cretaceous seas, patrolling them from dawn to dusk in search of such unwary fish or pelagic mollusks as might be sunning themselves at the surface and come within reach of the sudden swoop from above. Generally, I imagine, he would avoid actually coming down upon the surface of the water, for that would involve at least a great deal of difficulty in rising again into the air—indeed it is not easy to see how it would be possible for the giant Pteranodon to rise from the level sea, save through aid of the wind. At night he would perhaps return to the shore many miles distant, and hang himself up on some favored roost—tree or rocky point—anywhere that would be securely out of reach of the dinosaurs and other fierce reptilian beasts of prey which lived upon the land.

Whether the pterodactyls laid eggs, how these eggs were hatched and cared for, we have no means of knowing. Nor do we know much about their origin and evolution. Perhaps these really were the last survivors; perhaps they are but one type of a varied world of flying reptiles whose forms and habitat the rocks have not yet revealed to us.

The First Motorcycle.

While motorcycles in this country were not manufactured in any great quantity until after 1902, it is interesting to observe that the first motorcycle was given to the world by a Frenchman back in 1880. This first motorcycle was made by M. Trouve, in Paris, and created great interest and excitement. The first machines were crude affairs, naturally. They were inefficient as to mechanism and rather risky to operate, considering the road conditions, etc., of those days. It remained for American inventors and manufacturers to perfect the motorcycle and market it on a large scale. Today, one of the large American manufacturers has a yearly output that is greater by 50 per cent than the largest foreign manufacturer.

A New Version.

Seven-year-old Joseph had been going to Sunday school for almost three months, and during that time had heard several bible stories. His mother was boasting of his ability to relate them, while his grandfather waited rather impatiently. He was ready to start on a trip downtown, and Joseph was going with him. Then all at once Joseph, too, grew impatient. He was in grandfather's car and could not discover the reason for grandfather's lingering. So out he shouted: "Hurry up, grandpa, or we'll be too late to go. You're as slow as Moses when he built the ark."—Indianapolis News.

CAMEL GOING WITHOUT WATER

Many Metamorphoses.

TO DISCUSS WORLD'S TRADE

Meeting of International Chamber of Commerce Will Be Held in June at London.

HOLDS WILDERNESS IN SCORN

Japanese Adventurer Thrives on Such Perils as Might Well Daunt Even the Bravest.

Jujiro Wada has always played a lone hand. Up and down the northern fringes of civilization he has pioneered for 30 years. He has been in the thick of every gold rush from the Klondike to Hanson Creek. He is an expert trapper, hunter, cook, prospector and dog-team driver. From Athabasca to the mouth of the Mackenzie, all old-timers know the little yellow wilderness adventurer.

Soon after the discovery of a gusher well at Fort Norman last fall, winter closed the trails to the new oil bonanza on the Mackenzie. But it did not shut out Jujiro Wada. Ice and snow and howling blizzards have no terrors for him. Employed by Vancouver capitalists to go to Fort Norman and stake claims for them, he struck out for Peace river with a team of dogs in the dead of winter. For 1,200 miles he mushed alone through the frozen, wolf-haunted solitudes, staked his claims and came back across the snow to Peace river.

Now he has been employed by a New York syndicate to go to the top of the world on a hunt for gold. A rumor has long been bruited about the arctic that Herschel island conceals rich gold deposits. The little Jap will soon leave for the north prepared to spend at least a year on this thunder-riven, desolate rock in the arctic seas. If he uncovers treasure, there will be no delay in bringing out samples. No matter if it is 50 degrees below, Jujiro Wada will harness up his malamutes and break trail back toward civilization. That's his way.

CANDIDATE GOT ONE VOTE

Humiliating Practical Joke Played on Italian Who Had Made Himself Politically Unpopular.

Solicitor Gandolfi of Cremona, Italy, besides being a poet, is also a bombastic meddler in political matters. Because of this it was arranged by a party of jokers to bring him forward as a candidate for the polls. The electoral committee was duly constituted and Gandolfi's name was entered on the government lists.

The unlucky solicitor was forced during the fortnight to do his own canvassing and to drive about from village to village delivering speeches. When election day came, no voting papers having been distributed by the ...

Signs of Age.

Milk From Peanuts.

Boy Scouts Aid Birds.

Pays $150 for Dog's Casket.

Physical Culture.

An Exception.

Fitting.

SUE'S TENANTS

By MILDRED WHITE.

A Lady of Distinction

NOTHING NOVEL ABOUT THAT

Got Them, Anyway.

A Good Neighbor.

Fortunate.

Skillful Indeed.

The Puzzle.

Sport Writing on Society Events.

TELL 'EM TO SEE ME, SAYS TOWNS

Every Time I Sit Down to a Juicy Steak Now I Give Thanks to Tanlac, He Declares.

GAVE VILLAGE SECOND NAME

Boy's Rejoinder to Puzzled Tourist Responsible for Distinction Enjoyed by Kentucky Hamlet.

NO LOSS IN THAT VENTURE

For Vienna's Needy.

A Mixed Metaphor.

Jud Tunkins.

Jud Tunkins says so long as building is so expensive he wishes carpenters wouldn't throw so many nails around to be carried off in his automobile tires.

Humor in Humidity.

The easier it gets to stick to the office chair literally, the harder it is to stick to it figuratively.—Boston Transcript.

Most men are too modest to admit the size of their faults.

EASY TO KILL RATS and MICE

By Using the Genuine

STEARNS' ELECTRIC PASTE

READY FOR USE—BETTER THAN TRAPS

U. S. Government buys it.

Liggett & Myers

KING PIN PLUG TOBACCO

Known as "that good kind"

Try it—and you will know why

DON'T DESPAIR

If you are troubled with ... aches; feel tired; have ... indigestion, insomnia; ... sage of urine, you will find ...

GOLD MEDAL HAARLEM OIL CAPSULES

The world's standard remedy for ... liver, bladder and uric acid trouble ... National Remedy of Holland since 1696. Three sizes, all druggists.

Look for the name Gold Medal on every box and accept no imitation

PESKY BED-BUGS P. D. Q.

P. D. Q. Kills Bed Bugs, Roaches Ants and Their Eggs As Well

Genuine P. D. Q. is never peddled.

Mental butterflying at 2 a. m.
A great indoor sport for thoughtless people

One of the surest ways to become physically incapable of doing your best work is to get only snatches of sleep—broken by disturbing dreams.

If your sleep is being disturbed by drinking tea or coffee, you may be sowing the seeds of a nervous breakdown.

Do not wait until your nerves are affected by the drugs, thein and caffeine, in tea or coffee. Protect your strength, vitality and endurance.

Have sound, restful sleep, and wake refreshed and fit for any task.

Postum, the delicious cereal beverage, with its golden-brown richness and coffee-like taste, will let Nature restore your coffee-irritated nerves, and bring you sound, refreshing sleep.

Postum is wholesome and acts in a normal way. It possesses the advantages of a hot drink, without the ill effects of tea or coffee.

Drink Postum for a week or two. See what a difference it will make in you!

"There's a Reason."

Postum comes in two forms: Instant Postum (in tins) made instantly in the cup by the addition of boiling water. Postum Cereal (in packages of larger bulk, for those who prefer to make the drink while the meal is being prepared) made by boiling for 20 minutes.

At all grocers.