## Don't Try Wrestling With A Buli

When the British and Empire heavy-weight boxing champion Jack Gardner came face to face with a three-year-old bull recently Gardner admitted that it was "a terrifying experience, and I thought

Jack was out for his early morning jog-trot. The bull had escaped rom a nearby farm, and with a chain dangling from the ring in 200 yards along the road.

boxer and bull running round a hayrick. They went round four times before Jack was able to plunge through a hedge to safety.

An infuriated bull is capable of making even the strongest men eel nervous. Without weapons, a man stands next to no chance of vanquishing a fully grown bull in

Many a strong man has tried it. but the bull's neck and shoulder muscles have proved too tough. With a single sideways "nod" of his head a bull has been known to crush a man's ribs. Spanish bull-fighters have been

tossed thirty fee, into the air as a result of the throwing power of This is why a bull is tethered by means of a chain attached to a steel ring through his nose. It he tries to break the chain he hurt

In the old days Indian maharapitting the might of the hull against

The bull versus the tiger was a favorite match, but the bull invari-

ably won.
Champion wrestlers usually had to be carried out of the arena, ough the famous Madrassi wrestler Krisla Dass was the victor tack the animal from the rear wing it by grasping a hind leg in each arm.

Gently does it" is the motto of farmers who often have to lead their bulls to market. They acquire the technique of giving just the right amount of pull on the nose ring to persuade the bull that he would be more comfortable if he A too vicious pull, however, can

really hurt him and transform him into several hundred pounds of lumbering destruction,

The Bible is a teacher's handcommissioned by God to teach. Most subjects taught in High School or College bave accompanying handbooks. But these are never And a teacher must be commis-

Over 50 writers were involved 73 books. The story of God's inis recorded in the first 46 books. The remaining 27 books tell the story of the foundation of Christianity. The last book of the New Testament was written about the

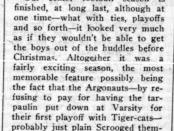
In the 60's and 70's A.D., many cause of their Christian faith. Yet | it is to stay out of them, and are at that date the New Testament had learned of Christ by listening ed by them to teach His dictrines. The foundations of Christianity were well laid. St. Luke in the Acts of the Apostles, records the first history of the Church written about the year 62 A.D. It had about the year 62 A.D. It had the National Hockey League gets spread all over the Roman Empire.
And all this without the benefit the cash registers in certain account. of the New Testament. Few people could read or write in those days. Christ had arranged to pass on His truths without dilution or error. The Church was not after-

thought of the Apostles. It was planned by Christ. messages by Father V. McGivney, Parish Priest, St. Francis Parish, Pickering, Ont.

Sun Motor Runs By Candle, Too-Sunlight, lamp light or the mere

flicker of a small candle will set the balsa wood wheel on the

flicker of a small candle will set the balsa wood wheel on the shaft of this "sun motor" to spinning. General Motors engineers developed the device which is being shown throughout the country to illustrate an important principle — that sunlight is power, and that it holds vast potential as a power source. GM engineers conrede their "sun motor" is an extremely we-efficiency power producer, and that it holds no clues as to how to harness the sun's energy.



selves out of a tidy fortune. In fact, as some miscreant remarked, Argos committed slough-icide (OUCH). As for big time hockey, the lads seem to have heard that it is twice as easy to get into the playoffs than struggling for the rarer honor. Like one old-timer who was asked about the form of Canadian-bred race horses and replied, "Thim Canadian-breds certainly do bate one an-

the cash registers in certain arenas will start to jingle.

one which we have somewhat neglected in the past—the game of table-tennis. And until we studied some statistics recently, we had no idea what a huge sport chasing the celluloid had become. Incidentally, the table-tennisers seem to have

> and Sido (Hungary). Highest from U.S.A. was Cartand in 14th place but a special footnote was added stating that U.S.A. No. 1, Richard Miles, who



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work in the Du Pont

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Smelling escaped gases around



Seeing—is performed by at ex- Hearing device is a sound level pensive speciroprotometer. A meter. Here a technician sets chemical expert uses it to deterneter. A meter. Here a technician sets mine the axact color of paint.



Feeling machined surfaces for Tasting solutions to determine pipe fittings is the function of the leak detector used here by the leak detector used here by an engineering department profilometer. It is being used in here by a DuPont research

mechanical development lab.

settled the perplexing problem of amateurism in a manner that is an example to some other sports we mgiht name. They solved the prob-lem by just defining all participants, paid or simon-pure, as "players" and letting it go at that. England is a hotbed of tabletennis, although its popularity is world-wide. Twelve years ago there were in England 214 leagues, which represented 4008 clubs with an esti-mated membership of 75,000. When tournament play was resumed, fol-lowing the war, these figures had dropped to 110-2,200 and 35,000.

today at 350-6,800-and 130,000. That represents a whole let of At the present time England possesses the world singles cham-pion in John Leach and the women's doubles champions in the 18 year-old London twins, Diane and Rosalind Rowe. Two former world champions, Victor Barna and Ri-

chard Bergmann who have found sanctuary in that country from central Europe nd have become naturalized British subjects, are others who have done a great deal to raise English prestige in international Now we turn to another sport-

World championships and international play generally are conducted under the watchful eye of the International Table Tennis Fe deration, a body with more than the I.T.T.F. issued its annual ranking list. Occupants of the top three places for men were Leach (England); Andreadis (Czechoslovakia)



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chemist.

has been under suspension by his national association, is to receive special attention when the list is revised at the time of the world championships in February.

Top three women are Rozeanu CRESS BUNION SALVE—For amazing relief. Your Druggist relis CRESS.

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Dime, Other items. Box 291 (W) Edmonton. A noticeable feature of the rank-

ings is that eight of the first 14 women are from countries behing the Iron Curtain. Czechoslovakia, Hungary and Romania are unquestionably the strongest countries at the present time and it is remarkcan be lifted in the cause of table tennis. Twice in the past four years have the world championships taken



What's Up? - That's what the look on this sad - faced seal seems to ask as the creature pops its head out of its pool at the zoo in London, England, to peek at a cameramman who had been waiting patiently for something like this to happen. The flipper, as far as is known, merely wanted to know what the weather was like

(Romania), Farkas (Hungary) and Neuberger (U.S.A.). England's upand-coming Rowe twins are well placed. The right-handed Rosalind is eighth and the left-handed Diane

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place east of it and twice west and players have always intermingled

Which is all the dope we have a present on table tennis which-from a ladylike pastime—has developed into one of the fastest and most arduous sports there is on earth. If you don't believe it, jus try a couple of sets with a fairly speedy opponent. If you aren't first 10 \*minutes-well, you're in



ISSUE 48 - 1951

Killed Himself With Pack Of Cards

structed that will hold indefinitely a really clever, determined man. Set-vicemen who made such astonishing

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WHEN ASTHMA STRIKES

use ASTHMADOR

vicemen who made such as a proved that. Set, for sheer ingenuity, few escape attempts equal the feat of William Kogut, an uneducated Power and the migrated to lish lumberman, who migrated to the States where he was sentenced to death for killing a woman with As he sat in his cell, ticking

off the days and listening to the screams of desperate men as they were dragged to the chair, he determined to outwit the authorities. But he had no weapons. All he had was a pack of cards.

Someone had told him once that playing cards are made of cellu-lose, a fibre from which tri-nitro lose, a high explosive is manufactured. Being an exceptionally powerful fellow, Kogut snapped off one of the hollow legs of his cot. Here was the casing for

Carefully he tore the cards into minute pieces, soaked them in water till they were reduced to a pulp, pushed them into the iron tube and rammed them home hard like the charge in a muzzle-loading gun.

Then, taking the handle of the broom with which he swept his cell, he jammed it into the pipe n top of his charge, making

rtight. These preliminaries took hours and it was well past midnight when e re-lit the lamp in his cell and held his improvised bomb over the flame. The flame, he reckoned, owers than we have, and a Herewould make the metal red hot and ford bull especially enjoys his food. He has 30,000 taste bulbs! In addithe charge inside would explode. Kogut fully expected the wall of tion, many tastes are really smell sensations and some are due to pure imagination. We have always that the taste of water differs with his cell to cave in, but he had no idea that the bomb he had made learned to associate raspberry with red, lemon with yellow, orange color with orange flavor. In a New York test, when taste-free thiourea was so powerful. When it went off his and eight adjacent cells were wrecked. The prison rocked. The ountryside for miles was alarmed. tables were colored green, a taster pronounced them lime. Black tab-For a time there was pendemonium Whistles shrilled, bullets whizzed, and warning sirens and horns shatered the night with their raucous

tered, almost headless corpse of No. 1651-William Kogut. You've 10,000 Bulbs On Tip Of Tongue

chorus. But when quiet was restor

ed and guards rushed to the scene with lanterns, they found the shat-

clutching one of the mysteries of science. Physiologists still don't understand why substances should taste the way they do, why sugar is sweet or aloes bitter. One day when the chemistry of flavors is better known, children will be able to collect a whole chain of delight-ful new sensations merely by lick-

packed into a third of an inch, are some ten thousand little taste oulbs and chances are that each one flashes only one type of sensa-tion to the brain. Every flavor, from subtlest strawberry to arid dust, evokes a permutation of sig-nals from the taste bulbs. Four main signal flashes—sweet, bitter, acid and saline-control your re-

Bitter and Sweet Scientists have always imagined everyone has similar tastethat some folks can be short-tasted as well as short-sighted. A new hemical called thiourea tastes bit ter to six out of ten people, but proves tasteless to the minority of four. Dr. Julian Huxley and other experts tested it on twenty-seven impanzees. Their proportion of taste failures was the same Children can aste with the insides of their cheeks, suggesting the presence of taste-bulbs that later fall into disuse. This, too, may explain why the desire for sweets is replaced by a preference or such strong flavors as pepperis a year-round job. It is one call-

Damage to soil caused by the force of falling raindrops is some-thing often overlooked, even by soil animals which will maintain or improve the performance of the swine herd. The weight of water falling on an acre of land in an inch of rain is nearly 110 tons, points out Fred-erick Bisal of the Swift Current Soil Research Laboratory, and the drops striking bare soil, splash about 22.5 tons of clay or loam

probable to the party tility for growing crops so it is essential to hold it where it falls. Water is as important as fer-Experiments at the Laboratory, says Mr. Bisal, show that an inch Experiments at the Laboratory, says Mr. Bisal, show that an inch of rainfall on a bare clay or loam soil reduces the infiltration rate to approximately one-third of an inch an hour. If the rainfall is of greater from large thrifty litters, points out an hour. If the rainfall is of greater intensity than this, the excess will become the runoff water. This runman at the Station, and so the gilts off becomes very high during an intense rain, and is capable of carrying a great load of soil with congoing into the herd should be from a large thrifty litter, from a sow which repeatedly farrows

sequent severe erosion. large thrifty litters and raises then Nature's answer is a cushion of organic matter of plants or dead undercomposed plant material. This breaks the force of the falling raindrops and no soil is lost, but the water gently finds its way into the subsoil for storage and future use by growing crops.

The simplest way to save the

by growing crops.

The simplest way to save the soil and hold the rain where it falls, is to protect the surface of the soil from the force of the rain-the soil from pigs which convert feed into gain efficiently. Some pigs will gain 100 pounds on from 350 to 400 pounds of teed while others take the soil from the force of the rain-the soil from the forc drops with a suitable plant or straw

TO ANCHOR WINDOW BOX ON SILL SO IT'S

pounds of feed while others take 450 to 500 pounds to make the same gain. Obviously, the former is the more profitable. Rate of gain is important but mainly in its association with lower feed consum How to FIXIT HAROLD ARNETT tion. Fast gaining pigs are get ally the most economical pigs. The task, and here is where a few sin ple records taken throughout the year will help, is to select boars and gilts from litters which gair

at a satisfactory rate on a law con sumption of feed. Finally, says Mr. Stothart, the real profits from swine are from pigs which combine litter size and feed efficiency with carcass quality. Carcass quality commands the

are from pigs which convert feed

Clothes Take on Glitter With Yuletide Adornments BY EDNA MILES CINCE Christmas belles are as much a part of the holiday

scene as Yuletide bells, it's a wise woman who starts planning now for her personal adornment if she wishes to be a sparkling part of the festivities. Glitter alone is not enough to make you the focus of ad-

miring eyes. To properly proclaim your Christmas spirit, it must be glitter with a point. You can accomplish this nicely—and dress up your simple basic dress or a plain sweater—with an easy-to-crochet

collar of metallic thread, suggests Patricia Easterbrook Roberts, noted New York designer. Use the simplest stitch you know, and keep crocheting until you've concocted a band of becoming width. The next step is to fashion eye-stopping Christmas trees of felt, to attach as pendants to your collar. Tiny multi-

colored sequins, sewed on as tree ornaments, are a clever, decorative touch. For a hair ornament, Mrs. Roberts suggests a pastel mem-

ber of the heavenly choir. Make him of pink felt-wings and all-and attach a hymn book of blue felt. For a fitting halo, sprinkle on a circlet of glitter dust around the crown of his angelic head. Glue will make it stick.

This young woman proclaims her Christmas spirit with a collar of crocheted metallic thread, from which tiny sequin-adorned felt trees hang as pendants. For a hair ornament she uses a pastel felt angel, complete with book of carols and halo.

For street wear, with your coat or suit, try an old-fashioned in sequence of the traditional cone-and-berry corsage. You can easily make your own, using a pleated circle of red metallic paper as backing for a layer-on-layer arrangement of glossy green ivy leaves and snowy white straw flowers.

The snowy freshness of white straw flowers and the glossy green of try leaves offer an interesting contrast to the red metallic ruffle that forms the background for old - fashioned Christmas nossgay highlighting neckline of tailored suit.

lets had a burnt taste, though they were known to be free of such flavor.

Disregard can blunt the taste as well as tobacco. Tea-tasters say that the taste of water lifers with li

performance and increase profits, therefore, should be selected from large thrifty litters of good feeding, and a junco flashes past, and the high grading pigs, as indicated by Advanced Registry tests, and carcass grading results. The Shadows Lift

The rains come, and the The rains come, and the wind, and the woodlands are left bare. Grays and browns possess the hills, more bleak and drab than seemed possible when autumn was at its height. For a few days the afterglow of the leaves remains underfoot, a warmth like sunlight. But it fades; it leaches away, and only the grays and the browns remain. Then comes heavy frost. You Then comes heavy frost. You waken to a November dawn when there is a shimmer, a new, strange light almost forgotten. Frost is there, frost on the grass and the browning leaves and all the naked little bushes. And the world is no

animals which will maintaine or improve the performance of the swine herd.

Experiments at the Dominion Experimental Station, Lacombe, show that performance of litter makes is a sound basis for selection for carcass quality. The individual for carcass quality. The individual animals must be physically sound, have good length, depth, and bone, and, if gilts, good teats; and should be from the best performing litters.

Litter size and thrift at weaning, litters are and carcass quality.

Litter size and carcas quality.

Weighty Evidence—Size of this 40-pound channel bass may be hard to top before the copper-colored fighters quit running this winter. So far it's the largest of the species to be taken in in 1951 with rod and reel The huge bass was landed by El-

gray sky seems to lighten. The shadows lift.—From the New York



**Blondin Crosses** 

Who now, unless it be those ageing inhabitants who were boys and girls in 1859, recalls the ex-ploits of the mighty Blondin, Mon-arch of the Cable?

arch of the Cable?

It is Niagara with which his name is most in imately associated, and it is probably true that on the day of Blondin's most notorious feat all roads led to the giant

This, according to one fo the the rope was hung: First, a smaller cable was conveyed across the river, a thicker one attached, and to this again was attached the cable proper—a three-inch rope of fine and tested hemp. This was in two sections of a thousand feet each, united by a long splice. On the summit of the Canadian cliff it was twined about three axletrees placed one behind another in holes drilled for them in the solid rock. It was made as taut as possible by a windlass worked by horses on the American shore, some two thousand feet distant. The rope hung high at either end, however, and was sagged about fifty feet in the center by its own weight.

To reduce the swaying of the slender bridge, it was necessary to

put on guy lines.

He was no novice. He had walked many ropes before, in perilous places and at perilous heights. It was no artificial courage that Blon-din possessed, born of mere skill and vanity. The son of one of Naherited many of his father's qualities. On the voyage to America he had sprung overboard to rescue a dest than otherwise. In spite of

the guys. Now he was talking with those about him. He was making ready to step off. He was picking ourden-and placing his foot upon the rope. And now he was launched in space and had begun his journe; toward the British province of Upper Canada: a breathless mo-

er proceeded briskly, almost casu-ally, to the center of the cable. There he seated himself with great composure and glanced com-placently about him at the thronging shores. He did not look down, it was reported; that was something he had trained himself never to do. After a few seconds he rose to do. After a few seconds he rose upright, strolled forward again for some feet, and again stopped. This time he stretched himself at full length upon the rope, lying upon his back, his balance pole horizontally across his chest. Another moment of suspense, then a feat of appalling rashness. He turned a back somersault upon the rope, back somersault upon the rope, came upright upon his feet, and walking rapidly to his landing stage, The entire journey, with its stop-overs, had occupied about five minutes.—From "Bookman's Holi-day," by Vincent Starrett, Copy-right, 1942.

Freckles: A nice sun tan-it suitable for a three-pound blue-



They're Off And Running!-Those are plasti. nags, destined to spend their days galloping around the outer fringes of a merry-go-round spurred on by hard-riding juvenile cowpokes Right now, with the aid of an automatic conveyor they're thundering off a Cargoliner They flew there in a herd of 250 from the factory where they were foaled.







