Practice Makes Par—Slammin' Sammy Snead gets off a long drive in practice round. Watching are (left to right) Byron Nelson, Johnny Bulla and Herman Barron.

THE FARM FRONT
by John Russell

Everybody knows, of course, that "the old gray mare, she ain't what she used to be." But possibly, when you start your tractor on some real work—such as spring plowing—you'll find that it has slowed down just like the gray mare, and you'll be wondering "how come?"

* * *

Not long ago a couple of agricultural experts took a farm tractor into the university shop. It sounded pretty good, but when they put it on the testing machine it registered only 25 horsepower.

* * *

This is hard to believe—but in less than 30 minutes they had shoved the horsepower needle up to 31—just by cleaning a lot of dust and dirt out of the air filter. Then, cleaning out the radiator pushed the needle up still another 3 horsepower.

* * *

In other words, they gave that tractor 6 more horsepower in less than an hour.

* * *

A tractor engine will use something like 9,000 more gallons of air for every gallon of fuel it consumes. That's why the air cleaner is one of the best things to slow down wear in your tractor, engine, or car. When the air cleaner is clogged, the engine gets short of breath, and loses power. It has trouble getting air, so it sucks MORE FUEL FROM THE TANK.

* * *

Your carburetor can be just as costly. You can waste as much as a dollar's worth of gasoline a day just by being LESS THAN A TURN OFF THE "LOAD ADJUSTMENT SCREW." If you aren't sure just where that screw is, dig out your instruction book and find out. Then, here's how to set it properly:

* * *

Run your tractor wide open. Slowly turn the load needle IN until the engine starts to miss. Then turn it back OUT until the engine runs smoothly. Now try pulling a load. If it won't quite do it, open the needle another sixteenth of a turn. Then you have the setting where most engines make the most power with a gallon of fuel.

* * *

You can probably make your tractor run on less fuel than that but it doesn't pay to be too stingy either. Too lean a mixture is too hot for your engine to handle properly—it burns and warps the valves.

* * *

Perhaps without your even suspecting it, bad valves can let as much as 5 horsepower go out the exhaust instead of to the drawbar. Have your valves ground regularly, keep tappets adjusted, and you won't need to worry about wasting 5 or 6 gallons of gas a day.

* * *

Keeping the valves cool calls for a radiator that's clean. Buy some cleaner and flush out the collected scale. Refill, using soft water—such as rain water from a cistern—as the minerals in well water can make your rad look like the inside of a teakettle. Put in a shot of one of those rust-prevention compounds too.

* * *

Better take a look at the fan belts, too. If they appear a little frayed, it would be a good idea to pick up some new ones at the earliest opportunity.

* * *

Poor timing cuts down power and wastes fuel. A worn governor can rob you of two or three horsepower. But better not tinker with the insides of a magneto or governor yourself. Give the job to a mechanic who is a specialist on such things.

* * *

Do you do your greasing in the morning before you start work, or after you come in from the field? Evening, when bearings are still warm, is best; and the grease keeps the moisture in the night air from sneaking in, and causing rust, as they cool off.

Oil filters are real collectors of grit and grime; that's what they're meant to be. But the filter element needs to be changed as soon as the oil starts to feel and look dirty, so better keep a few spare elements on hand.

* * *

So, before you get too busy, why not make these—and other—checks? Protective maintenance of your tractor, car or truck is the best way to cut down operating costs — and you won't have to worry about expensive breakdowns when you're hurrying to get something done.

* * *

And here's an item I picked up from an exchange. You can take it seriously—or not, just as you see fit. "A doctor says that farmers ought to wear girdles. Bouncing around on tractors shakes up their insides. The doctor says they'd feel better with something to hold gizzard, backbone and other odds and ends together.

* * *

"Sounds sissy, doesn't it? Well, the buckaroos of Spanish California—real tough horsemen—used to wind yards and yards of cloth around their waists, tight. It helped them when the broncbos jack-knifed.

* * *

"Maybe the farmers won't try it. But the ones that do will at at least find out what the wife means when she says 'My girdle is killing me!'"

SPORTS
by A. SIXBIT CRITIC

As we write this, it is still uncertain whether the famous Stanley Cup—proud emblem of world hockey supremacy, or some such—will find a resting place for the next twelve months or so, in Detroit Olympia Stadium or New York's Madison Square Garden.

* * *

(In passing we have often wondered why it should be Madison Square GARDEN and Maple Leaf GARDENS. But we've never bothered to find out. With or without the "S," neither one of them ever reminded us of roses, hyacinths or even lillies-of-the-valley.)

* * *

If The Cup should land in New York—a real possibility considering what Detroit went through, compared to the soft touch Rangers found in Les Canadiens—there's a Scriptural quotation that just about sums it up. To wit, "The last shall be first and the first, last." Rangers just managed to edge into the fourth and final playoff position. Detroit led the league practically from start to finish. Yet, should Rangers win, inside of a month 99 out of 100 fans will think and talk of them as World Champions. We've heard plenty of much poorer jokes on high-ranking comedy air programs.

* * *

Still, maybe it won't happen. Perhaps, by the time this appears, Red Wings will have done right by "the world's fastest sport" and managed to come through.

* * *

The playoff series between Red Wings and Maple Leafs — or at least two or three games thereof—proved one point which, for several years, has been in doubt. In spite of the widespread belief that the modern fan pays money to see blood, bumps and attempted mayhem, hockey can still be played cleanly and provide plenty of thrills. It all depends on the officials, who could clean out all the undue rough stuff in twenty minutes or less if they wanted to. Or were allowed to.

* * *

For in hockey—more than in any other sport—the attitude of the paid officials is a direct reflection of that taken by the top brass. Someday, under present conditions, there's going to be a real hockey fatality. (It's already come to close to comfort for that one or two occasions.) When and if such a thing occurs the responsibility won't be that of the referee who allowed the game to get out of hand—or even the man who appointed him. The blame will fall directly on the type of coach, manager or owner who tells the press and public, "We're going to have a real battling team" and who send their gladiators on the ice in the same spirit as that of the fight handler yelling, "Get in there and slug, kid—he can't hurt US."

* * *

Too much roughness killed field lacrosse. The boxing game is in a worse plight than ever before, largely because decent-minded fight fans are sick of watching "boxers" whose only ability is that of absorbing punishment, and nauseated with the steadily growing list of ring fatalities.

* * *

The latest of these occurred when young Lavern Roach died following a recent bout in New York City. Colonel Harvey L. Miller—better known as "Heinie"—had some interesting things to say about it and about the need for more attention to safety in the ring—of which we'll pass along a few. (We may say that Col. Miller is no raw hand, having been connected with boxing for almost 50 years as fighter, second, manager, referee, sports writer, and National Boxing Association official.)

* * *

"Unless the mantle of intercollegiate (safety) rules is extended over prize fighting, its existence likely will be abolished by mounting indignation over continued fatalities such as the recent death of young Lavern Roach in New York."

* * *

"Dramatic safety rules will not be popular, we appreciate, with the fellows who believe Gettysburg was a francup and that Iwo Jima should be repeated every Monday night. They'll probably denounce larger gloves and proposed head harnesses as sissy equipment. But the wise ones will prefer that to velvet caskets with silver handles."

* * *

"At the next NBA meeting, Michigan will report on the tests of a 90-second interval, rather than the usual minute, between rounds. With the 10-second warning buzzer for "seconds out of the ring" and other interruptions, the boxers haven't been getting the full rest intended by the rules.

Of course, the extra 30 seconds will evoke howls from bloodthirsty fans impatient for the sight of slaughter. But it would give the fighter more time to recover from possibly injurious punches and his handlers opportunity to staunch his wounds."

* * *

During the past year, NBA bulletins, which are issued every 10 days, have suspended or retired close to 400 boxers. I wish that we had suspended Lavern Roach months back when I saw him lose to a second-rater and realized that the beating he had taken from Marcel Cerdan had left him a hollow shell. He promised me then that he would quit and did for a while, only to meet death trying a comeback."

* * *

"Beyond a doubt, television often is responsible for the staging of bouts that would not or should not have been staged at all. The promoter is obligated by video agreement to produce a show at a given hour on a given date. And the show must go on—even if it's a mismatch or one of the principals isn't fit to enter the ring.

It's time for the "idealists" in boxing, those dyed-in-the-wool fans to whom the prime concern after a bout is "who won and how" to save the game from the "what-was-the-take" coteric."

* * *

Space, or the lack of it, will not permit further comment at this time. But with hockey on the sports map for a few months, we hope, it might be an idea for those in control of that game to take a little thought as to whether—if present tendencies aren't checked — it isn't heading down the same road that brought disaster to boxing.

Ascot Metals To Make Profits

During the recent war lead, zinc and copper supplies were urgently sought in Canada which became an important war arsenal for the allies. The search for these metals was intensified. Government geologists collaborated with private companies in an effort to locate new deposits and in several instances this team work was successful.

In Ascot township, Quebec, a Domonion Government geologist discovered a structure which he thought deserved test and Aldermac Copper Corporation subjected the area to a geophysical survey and extensive diamond drilling, with the result that a lead-copper-zinc deposit was outlined. A shaft was sunk to metallurgical and mining experts 300 feet and three levels were opened so successfully that a mill was built and operated for about a year.

In eleven months Aldermac produced nearly $2,000,000 in metals but shut down after the war because of low prices. Later the markets for lead, zinc and copper advanced sharply and the mine was bought by Ascot Metals Corporation which has proceeded to deepen the workings to five levels and to install a more modern mill.

The earnings possibilities of a 250-ton mill are not generally recognized. It has been computed by that Ascot can expect to receive for its concentrates, on cars at Sherbrooke, Quebec, approximately $116,000 per month, with only mining and milling costs to be absorbed. These costs will not exceed $60,000 a month, leaving about $56,000 a month for operating profit.

This rate of profit, which is computed on current prices for lead, zinc, copper, silver and gold in the ore, would mean $672,000 a year, or at the rate of 25 cents per share for the issued capital of 2,700,000 shares. There may be fluctuations in the earnings due to variations in the prices of metals and average content of the ore. However, it is obvious that substantial profits are predictable.

People unfamiliar with mining operations often do not recognize that there has been immense improvement in recent years in the development and production of base metals ores and in the treatment of them to recover high values. New mills have given remarkable performances in employing improved processes and machines. Such properties as Ascot and East Sullivan would not, even five years ago, have offered much chance for money making whereas today they can realize substantial profits.

Ascot Metals Corporation started with considerable advantages. It had been opened to 300 ft. depth, had installed mining equipment, new buildings, power lines, water supply and a highway to the door. The mine only required additional development and the installation of new milling equipment, which will start operation next July. Markets for metals are good and promise to persist. When in production the company will resume testing of the large property which formerly had two other producing mines on it, closed for years, but now of interest because of the high price of their metals.

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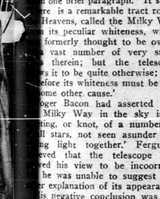

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ISSUE 16 — 1950

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nned Lobsters me Out Fighting

use rich epicures all over ica are clamoring for New acDonald has spent $150,000 ven years trying to perfect a od of packing them so that arrive fit and fighting after lling thousands of miles. ty cans them alive.

bsters resent air travel. They bject to altitude "bends" and ently die in transit. A dead er is a total loss to an epicure. have to be killed immediately efore cooking if the full fin er is to be retained. The high lling mortality rate pushed up ost of New England lobsters orbitant limits.

acDonald got to grips with problem in 1939 by fitting up a atory and staffing it with marbiologists: 12,000 lobsters were in experiments before success achieved. He won't tell the t, but says that "a pinch of ery substance in the can of water does the trick."

his substance contains six eleficial are they that the big s have to be pinioned before ing.

MacDonald's firm guarantees their lobsters will remain alive six days after processing. Some n popped out of their cans in bulletproof boxes after spending sixteen days in hermetic confinement. It's a wonder they don't lose their own tins!

st What Is The Milky Way"?

What is the Milky Way, and is it unapprochable by man?" re are two questions here, and ll deal with the first one first: hat is the Milky Way?" said Harold Spencer Jones, the nomer Royal, in a recent adcast.

his is a question that was mostessed until the observations of am Herschel, in the last decade the eighteenth century, answered good doubt.

hen William Herschel first dped an interest in astronomy, he ch a copy of Ferguson's Astonomy, the best textbook of the e which passed through many tions. The almost complete ignce of this work is reflected in guson's book, in which twenty-chapters are devoted to the system and only one to the

he then current knowledge t the Milky Way is summed the brief paragraph. It says: re is a remarkable tract round Heavens, called the Milky Way its peculiar whiteness, which formerly thought to be owing vast number of very small s therein; but the telescope es it to be quite otherwise; and efore its whiteness must be due some other cause."

oger Bacon had asserted that Milky Way in the sky is 'a ting, or knot, of a number of ll stars, not seen asunder but ng light together.' Ferguson ved that the telescope had ved his view to be incoorrect, he was unable to suggest any r explanation of its appearance. is negative conclusion was not ch more informative than the y of the old Greek mythology the Milky Way arose from a drops of milk which the infant rcules let fall from the bosom uno.

hen William Herschel was ced with a passion for astronomy, decided to make a telescope for self, because he was too poor buy one. He was undeterred his early failures, and perseveral he was able to make telescopes ch far surpassed, in optical qualany that had been made previously. Having made a good escope, he turned it on the Milky y, and he has recorded how 'the rous multitude of stars of all

Clear the Tracks for Springtime—with a mighty "swoosh," a big rotary snow plow bucks its way in the yearly spring chore of opening the Yellowstone branch line. Here, Old Man Winter's last stand is a solid one. Twelve feet of snow were moved to clear the 56-mile rail route for the rush for summer vacationers.

possible sizes that presented themselves here to my view was truly astonishing.

So the nature of the Milky Way was settled beyond doubt. The stars of which it is composed are so far away that they are individually invisible to the naked eye, but their number is so great that we can see their integrated effect.

Imagine a candle being moved to such a distance that our eyes are just unable to detect it, and that, when 100 candles are put in its place, we should then be able to see a bright patch of light.

Herschel explained also, why the Milky Way appears as a narrow belt stretching right around the heavens. It is because our stellar universe is in the form of a flattened disk, like a millstone. The radial extension of the system is much greater than its thickness. So in any direction in the Milky Way, we are looking through the system to its most distant limits; in any other direction, we look through a much smaller depth.

The stars in the Milky Way are very far away. Remember that our sun is a star, and not a particularly bright one. But we should have to push it to a very great distance before it became invisible.

The distances of the stars in the Milky Way have been measured. If we take as our unit of distance the light-year, that is the distance 'which light light—travelling at 186,000 miles every second—would travel in a year, which is about six million-million miles, the distances of the stars in the Milky Way are of the order of 10,000 light-years upwards.

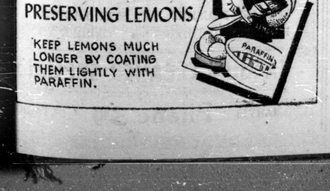
That answers the second part of the question: Why is the Milky Way unapproachable by man? If we could travel with the speed of light towards the Milky Way (assuming that some suitable mode of travel had been devised) it would take us several thousand years to arrive. The journey would take so much longer than the span of human life that it is, obviously, quite impractible.

A WHITE SPITZ dog and a Persian cat owned by Bob and Judy Nesmith of Dalton, eat from the same dish. The dog always waits politely until the cat has finished her half of the food before starting.

HOW-TO-FIX-IT — By Harold Arnett

STORING GLASS CUTTER

KEEP GLASS CUTTER FREE OF RUST IN A TEST TUBE CONTAINING OIL AND KEROSENE. FIX CORK ON CUTTER HANDLE AND SECURE WITH SEALING WAX. CORK REMAINS ON HANDLE WHEN CUTTER IS IN USE AND SEALS TUBE WHEN CUTTER IS NOT IN USE.



PRESERVING LEMONS

KEEP LEMONS MUCH LONGER BY COATING THEM LIGHTLY WITH PARAFFIN.

New Theory About Migraine Headache

A migraine headache is what most of us call a "sick headache." Sometimes headache powders and rest bring relief; more often they do not.

What causes a migraine or sickache has been the subject of medical discussion for decades. Not one of the hypotheses advanced in the past has been worth a headache powder. Now comes Dr. Murray M. Braaf in the New York State Journal of Medicine with a new explanation, one which he believes he has proved to be right in numerous cases.

Instead of finding the cause of migraine headache in the head, as most of his predecessors have done, Dr. Braaf finds it in the neck. In the majority of cases of migraine headache that came under his observation, tenderness to the touch and X-ray pictures indicated a condition much like that which prevails when disks are dislocated in the spine. He inferred that an injury to the neck (a fall on the head, on the back, on outstretched arms) was the cause. The fall may have occurred years before there was a migraine attack. When the neck was injured, ligaments were apt to give way, so that a disk between two vertebrae protruded. The displaced disk compressed the surrounding nerves and thus set up a neuritis, of which one symptom was a sick headache.

If this explanation was correct, the obvious remedy was to get the protruding disk back into place by strengthening the ligaments and putting them to work. This is exactly what Dr. Braaf did. He stretched the neck with a pulley apparatus applied at the back of the head and under the chin for a few minutes. There was no pain. Large doses of vitamin B-1 were also injected to counteract the neuritis. Of patients whose neck were stretched at least three times a week for one to two months, 85 per cent reported relief that lasted. The results were evaluated on the basis of the frequency, intensity and duration of the attacks before and after treatment.

* * *

THRIFT

"Two cents of bicarbonate of soda for indigestion at this time of night," cried the infuriated druggist, who had been aroused at 2 a.m., "when a glass of hot water would have done just as well!"

"Weel, weel," retirned McDougal, "I thank ye for the advice, and I'll no bother ye after all. Good night!"

PSYCHOLOGISTS, studying gorillas at the Bronx Zoo, found them suffering from melancholia and recommended that keepers should force themselves to act jolly and so deceive the apes into a state of happiness.

New and Useful .. Too ..

Brush Handles

Handles of new paint brushes won't cake, roughen or blister fingers, is claim. Of plastic, handles have chisel tips to remove pits, blisters, holes for stringing.

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Mows Edges

New gasoline-power "Sensation" mower which runs along fences, foundations for close cutting, eliminating hand work, says maker. This made possible by switching wheels to forward position. Front of chassis also folds to expose blades for weed, brush cutting. Has 20-inch blade, uses 1.9-h.p. engine, or larger.

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Ring Clothespins

New circular clothespins fasten clothes to line by finger pressure on "trigger" inside pin. Ring design enables housewife to clip several pins on fingers for easy carrying, say smaker. Of celanese plastic.

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Swinging Girl Clock

New clocks have girl on swing for pendulum forward and back rather than sideways. Set in recess with colored garden. Said to fit into most room interiors; self-starting electric movement; indirect lighting. Mantel, wall models.

* * *

Scientific Boomerang

New plastic boomerang can be thrown by anyone strong enough to throw ball, claims manufacturer. Leading edges beveled to work like ailerons of airplane; flies out almost horizontally, veers left, returns, does a spiral like autogyro while landing. Measures 24 inches, goes up to 100 yards. Is bright red for finding if lost; special reversed aileron models for southpaws.

King Took Actress To Supper, Then Couldn't Pay Bill

How would the famous beauties, the most celebrated actresses of the past, strike us if we could meet them to-day? Would Mrs. Siddons after some coaching in modern technique, make the same vivid impression on us that she did on her contemporaries?

One who would be, if anything, more of a success to-day than she was in her own time is Nell Gwyn. For she was a cockney of cockneys, and the true cockney does not change. Her verve and vitality, quick tongue, devastating honesty, generosity, even her extravagances, would win London's heart to-day as completely as in Restoration times, writes Charles Solomon in "HiBits"

Did She Sell Oranges

Next to nothing is known of her early life. Even the story that she sold oranges at Drury Lane is probably untrue. Her father may have been a tradesman in Hereford or a soldier in Wales. The first hard fact comes from Nell herself, who admitted in the course of a quarrel with another actress that she had first made her living in somewhat questionable surroundings. Nell was contrasting her own faithfulness to one man with her rival's collection of three or four—"though I was brought up to fill strong water to the gentlemen and you, a Presbyter's praying daughter."

Nell never pulled her punches, even in the presence of Royalty. She was once enjoying a busman's holiday, watching a play with an admirer, when they discovered that King Charles himself was in the next box. Charles had already seen Nell on the stage. This closer view so enchated him that he insisted on taking the couple to supper, bringing with him his brother James, Duke of York (afterwards James II). When the bill for the supper had to be paid, neither Charles or James had any money and Nell's unhappy admirer had to settle. "Odsfish," cried Nell, "but this is the poorest company that ever I was in before at a tavern."

"It may have been her gift for repartee that so endeared her to Charles—himself a very pretty wit who did not object to being the source of wit in others. Certainly he enjoyed the duels between Nell and her chief rivel, Louise de Keroualle, the Duchess of Portsmouth. At one time, when it seemed as if the lovely Duchess of Mazarin might carry off Charles under Louise's nose Nell went into mourning for, as she explained, at the top of her voice, the Duchess of Portsmouth's ruined hopes.

Another of her japes at her rival's expense, which also concerned the wearing of mourning is quoted by Kenelm Foss in his book "Unwedded Bliss"—a vivid and entertaining collection of short biographies of people who did not marry.

It was when Lady Portsmouth, thinking to add to her social stature, put on deep mourning for the death of a princely personage in France to whom she was in no way related. Nell lost no time in exhibiting herself in public in unrelieved black, burlesquely weeping, explaining to enquirers that she was inconsolable over the passing of the Claim of Tartary.

Best of a Queer Bunch

Nell was generally a winner in a contest of this sort. But she was no match for Louise in getting what she wanted out of Charles—probably because she was not very interested in money for its own sake. She was extravagant but almost recklessly generous. And of all the harpies who surrounded the King she seems to have been the only one who was genuinely fond of him.

Stopped the Show

Nell's reputation as an actress rests chiefly on the diary of Pepys, an enthusiastic and highly critical playgoer. He adored her as a woman and as a comedienne, but was very definite that she could not tackle tragedy. He speaks of "a great and serious part which she does most basely" in the "Indian Emperor" and Betty in "Secret Love, or the Maiden Queen," he says: "There is a comical part done by Nell that I can never hope ever to see the like done again by man or woman." In this play Nell had a dance in boy's clothing that "stopped the house" and set a new fashion—all the Court ladies took to wearing male attire.

Found Friends for Convicts

Even if there is no truth in the tradition that Nell was largely responsible for the founding of Chelsea Hospital, there can be little doubt of her many charities. Highly practical they were, too.

Among her other activities, she specialized in providing convicts with food. And very necessary this was, in an age when jailers were responsible only for seeing that their prisoners did not escape and not for keeping them fed.

Charles must have worried over his Nell's lack of money sense. For, as he put it, she had to be his brother: "Let not poor Nelly starve." The request was loyally carried out: but Nell survived him by only two years more.

Even allowing for those rollicking days of laxer morals, Nell Gwyn cannot be called a good woman. But she was a warm-hearted, generous creature, as beloved by her public as by her Royal master.

Self-control—The facial expression of "Tiger," is that of a cat who didn't eat a canary. Tiger exercises almost perfect will power as three pet canaries stroll by under his nose. He wouldn't touch one of them for the world, but can't quite resist licking his chops.

New Mosquito Boats on the way—Those hard-hitting, fastdodging PT boats of World War II are growing up. Here is a sketch of the new all-metal torpedo boats to join the fleet late this year. Much larger than current PTs, the new boats will have greater operating range, more fire-power and bet ter stability in rough seas.

BOUFORD
By MELLORS
OOOO! OW WOW!
SAKES ALIVE! WHAT DID BOUFORD DO TO HIMSEL