### CHEMICAL FODDER **ENRICHES**

Invention of Finn Enables Dairymen to Keep Up Standard

MONTREAL - Getting cows to produce summer milk in winter is you. now occupying the attention of dairymen on this continent, largely because a Finn has developed a chemical that preserves in fodder opener? the juices and food values it retained when cut, and the topic is of college. particular interest in Montreal recently because of the presence in the city of G. L. Rosnqvist, a Finn- badly: ish farmer and agriculturist.

Summer milk is richer in vitamins and other health-giving, body-building characteristics. The thing to do is to preserve those qualities in the fodder, thus enabling milch cows to give a milk that approximates their summer milk. This is the gist of Mr. Rosenqvist's remarks. He pays tribute to A. I. Virtanen, inventor of the so-called A. I. V. method of treating fodder chemically, thus keeping its summer nutrition preserved intact for winter cattle consumption. Mr. Rosenqvist has visited agriculturalists from British Columbia to Nova Scotia.

Like Finland

particularly the rural districts was haps can't get over the notion that very like Finland in many ways. it will finally "say something." The soil, farms, and people, even the crops grown, were quite similar to those of his homeland on the fore, sir? Baltic Sea. Slightly more rain falls during the year in Finland than in from the war. Canada-Canadian summers are a little longer, he thought.

an item which had appeared relative tough luck. to experiments which were being started at the University of Wisconsin at Madison aimed at producing ter around us to fish in, and only so treated has to endure a surgical Garbos." "summer milk" in winter through two fish worms on board. preserving green fodder for winter feeding of milch cows. It was suggested that the Wisconsin agricult- makes the same mistake twice, but the tail is bound into an unnatural ies at Callander, Ont., was most enural chemists and animal husband- a smarter one is he who never mak- position until it heals. Unless it is thusiastic about the sisters. men were attempting to improve on es it the first time. the famous method of Prof. A. I. Virtanen of Finland by using molas- counter)-Have you: 'Kissed Me in The practice is called "inhuman and ses for mixing with the green fodder to overcome disadvantages of labor,

equipment costs and unpalatability. Mr. Rosenqvist, who is greatly in- I've only been here a week. terested in Prof. Virtanen's method of preservation, and is in fact visitfelt that the Wisconsin scientists does. were quite unfair in their judgment of the "A. I. V." method, as it is known throughout Europe and Nor- Brushville went to the city he came th' America. He pointed out that back with the news that even a toethe molasses method of retaining the dancer walks on her heels when vitamin rich substances, which made crossing a muddy street. summer grass more nutritive than dried hay, had been used in Germany as long as 15 years ago, and the same German scientists who had invented the method were now turning to the "A. I. V." mineral acid method of fodder preservation. Less Labor Required

From his observations in Canada . and the United States Mr. Rosen- but every time I try some lawyer qvist claimed that the Finnish me- objects. thod required less labor and equipment than the molasses method, and the total cost was much less. He der was not unpalatable from per- ment support the people. sonal experience as his own herd of .40 milch cows had subsided on it for more than four years now and were producing more and better milk than est in the doings of her neighbors. ever before. He bore witness that It was a great day for her when a a great majority of the farmers in new arrival came to the house next Finland were using Prof. Virtanen's door, and she watched with interest invention, and in 13 other countries as furniture was carried into the of Northern Europe and parts of house. the United States it was growing in popularity.

Apart from their slight to his folks across the street? compatriot's scientific discovery, which had been described by Professor Boving, of the University of British Columbia, as "the greatest advance made in agricultural science in the last 40 years", Mr. Rosenqvist was glad to see that Wisconsin scientists were attempting to improve the nutritive quality of winter milk. In his numerous visits across Canada he had found leading agriculturists and farmers keenly interested in the "A. I. V." process.

In Montreal, through the medium of the Board of Trade, he had been in touch with high officials of various agricultural organizations, including the Montreal Milk Producers' Association, the Co-operative Federee, the two railroads and the Department of Agriculture at Quebec. Farmer groups everywhere had viewed with interest the motion picture which he had brought with

him of farm work in Finland. Mr. Rosenqvist was particularly interested in the Co-operative Federce of Quebec, an organization which markets farm produce for farmers' clubs, as he himself is chief inspector for the Valio Cooperative Butter Export Association of Finland. This organization boasts been productive of splendid results. of 80,000 farmer members and con- Selling on the open market means real trols 95 per cent of all the butter with us. produced in the country, 60 per cent of the cheese produced and a large part of the bottled milk sold. Mr. Rosenqvist returned to Fin-

land at the end of the week.



Every time you give the other fellow a boost, it is a hitch ahead for

Neighbor-Have you got a bottle Parent-Yes, but he is away at

The actor was boring his listener

Actor-Ah, my boy, when I played Hamlet the audience took twenty minutes to leave the theater. Listener-Really! Was he lame or something?

It is announced that ears are growing larger. But that doesn't mean that anybody is going to listen any more attentively to all you say.

Harold-Did you hear the big

Gerald-Spill it! Harold-My dog visited a flea cit cus and stole the show.

A lot of folks keep their radio on He claimed that Eastern Canada, every minute of the day. They per- Cruelty To

Barber-Haven't I shaved you be-

Customer-No, those scars are

Ham (mournfully, as he leaned out "mutilating" the show horse His attention had been drawn to of the window of the Ark)-This is setting up his tail in about as un-

Shem-What's the kick now? Ham-Why, we've got all this wa-

the Moonlight?'

Work is the best way to drown dng Canada in order to interest Can- worry . . . Work frequently gets us adian farmers in its greater use, somewhere . . . Worry never, never

The last ime Ed. Masterford

Most girls are of the moody type unless the right fellow is along.

Prisoner-Judge, I don't know what to do.

Judge-Why, how's that? Prisoner-I swore to tell the truth,

vinced that the people should support reasons why many keen harness and was able to prove that "A.I.V." fod- the government, and not the govern-

Mrs. Smathers took a great inter-

Husband-What did you find out

Mrs. Smathers-They're not much. They have no automobile or radio or even a grand piano. I-can't imagine what they have got. Husband-Perhaps they have a bank account.

### SEVEN YEARS' AGONY ENDED BY SASKASAL

First Bottle Brought Relief from Painful Rheumatism

Read this letter: "I had rheumatism for seven years and never left me night or day, pains something awful. I tried everything I could get, but nothing did me any good till I got Saskasal. I had not started to take it a week till I was a lot better, and am getting better all the time, and have not finished the first bottle. I can go to bed and don't have any pain like I had before I took Saskasal. I will sure recommend it to anyone that has rheumatism."

If you suffer from rheumatism, lumbago or sciatica start taking Saskasal Mineral Salts now. At all druggistsenough for 10 weeks' treatment 69c. 11

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CO.OPERATIVE COMPANY, LIMITED LIVE STOCK COMMISSION DEPT. Union Stock Yards, West Toronto

Watering Cows

There are more than eight gallons a cow produces.

consumed is dry roughage. This ne- p.h. the milk pail.

forces the cow to consume five, eight! the new Blackburn high speed transor perhaps ten gallons at one time. port. Yet the total horsepower from larger than that of any other of our | \$00. farm animals, taking this large! The famous American Douglas, quantity of liquid into the stomach cruising at about 170 m.p.h. in the the digestion of the feed. This is es- needs 1,400 horsepower. United Air- ber, 1934. pecially true if the temperature of lines' fast ten-passenger Boeings in

538.600 head, a decrease of 1.8 per- p.h. cent compared with 1934. Canada's The Blackburn may also be used 14.8 per cent over any other year.

A reader of The Journal sends us an article, from a source that is not stated, denouncing the practice of natural a position as man's foolish brain could devise."

operation, sometimes several of perfectly straight it must be brok-Sweet Young Thing (at the music en again and the process repeated. Garbos," he said. been the man at the other counter, such cruelties are no better than ing the quintuplets.

> inion on the matter, a horse-owner doors in weather 20 below zero. who has taken many prizes at shows | Hersholt impersonated Dr. Allan has this to say:

> the old days almost every good- Doctor." looking carriage horse was treated controversy is as old as horses and | performed, and the universal intercrops up every now and again.

"Today the practice is wholly con- out so much as ruffling the surface. fined to horses kept for show pur- He takes the attitude that it was a poses only, and at that only those job and he thanks his God he was horses which appear at the very best able to do it well. Now, all he is inshows. Of course, only hackney hors- terested in is following it through." | more moisture would be desirable in expert recently. es and ponies and a few saddle horses are so treated. The number is not great.

"At the big shows competition among wealthy owners is so keen and appearance counts for so much that they will go almost any length to enhance it. There is no doubt it An old-timer is one who is con- is a cruel job, and it is one of the come too artificial. . . There are Press. a dozen other practices of grooming and training which are questionable. The old story of win at any cost."

It seems clear there is cruelty involved, and to the layman the remedy would appear easy-the enactment of rules that horses thus bills or notes issued by the Contin-"beautified" into artificiality by ways that cause the animals in- backing. about the social standing of the tense pain should not be eligible for

### Latest Slanguage

MINNEAPOLIS .- Joe Collitch he'll identify himself that way, too -is annoying Websterians again. Consider today's latest examples of talling \$241,525,780. campus jargon at the University of Minnesota:

"Breaking"-Synonym for "neck-

"Smoothing"-Co-ed's term 'breaking." "Spook"-College man otherwise

referred to as a "dud." - "Goon"—He's low as can be in in

elligence. "Flatto"-The feminine "goon."

## STOPS ITCHING

In One Minute For quick relief from the itching of pimples, blotches, eczema, rashes and other skin eruptions, apply Dr. Dennis' pure, cooling, liquid, antiseptic D. D. D. Prescription. Thirty years' world-wide success. Its gentle oils soothe the irritated and inflamed skin, thus aiding nature itself to heal the disorder. No fuss-no muss. Clear, greaseless and stainless-dries up almost immediately. Stops the most intense itching instantly. Try D. D. D. now. A 35c trial bottle, at drug stores, will prove it-or money back. D. D. Prescription is made by the owners of ITALIAN BALM.

Issue No. 2 — '36

A Fine British Plane

A British airliner that for speed, of water in each 100 pounds of economy and efficiency will outclass milk. Then the body gives off mois- any yet built has been practically ture in addition to the other needs. completed in the works of the Black-It requires nearly seven pounds of burn Company at Brough, Yorks. water for each quart of milk which Minimum performance figures guaranteed from the machine are: Top This must come from the feed or speed 210 m.p.h.; cruising speed 190

were a part of the dairy feed. When low power suitable for regular trans-the Dominion Bureau of Statisticsthe water consumed is insufficient port work is 175 m.p.h. But with the effect is not long in reaching that top speed only 150 m.p.h. has been possible for economical cruising.

Watering the milk herd once daily Ten passengers, two pilots and a is not often enough. Such a practice wireless operator will be carried in Although the stomach of the cow is the two engines will be, only about

the water is near the freezing point. America use over 1,000 hosepower Cattle in Great Britain total 6,- for their cruising speed of 184 m.

cattle number 8,951,900 of which 3,- for military purposes, as no machine 864,200 are milch cows. Canada has has yet been built capable of carry-3,421,100 sheep, while Great Britain ing its load on such low horsepower. has 16,470,700; Canada's swine pop- Petrol will be stored in the cylindriulation is 3,654,000 while Great Bri- cal main spar of the big single wing. tain's is 3,811,700, an advance of This spar means a big saving in weight, and would support the machine in water.

speed-up program.

Jean Hersholt Calls Quints "Five Garbos'

Hollywood - The Dionne quintup-According to this article a horse lets, says Jean Hersholt, are "five

The veteran character actor who them. The muscles that control the returned recently from 10 days of A smart man is one who never movement of the tail are cut, and movie making with the famous bab-"It was like working with

Healthy, strong, intelligent barbarous," and our correspondent intelligent and charming were some Abashed Clerk-Er-it must have declares those who submit horses to of the adjectives he used in describ- Africa, \$203,843 (\$84,614.)

> What amazed him most, he said, \$167,000,000 Value Asked by The Journal for an op- was to see them sleeping out of

Roy Dafce, the quintuplets' physi-"The facts are about as stated. In cian, in the picture, "The Country "Beyond question, Dr. Dafoe is one in some such manner, as an arched of the most unusual men I ever

est in it, has passed over him with-

The saying that such a thing is saddle-horse men have gone out of "not worth a Continental" is not the business. They say it has be- profanity, observes The Detroit Free

While the conditions which injected this expression into the American language may have been roundly cursed by their victims, the expression itself is merely historical.

A "Continental" was one of the ental Congress, without metallic Without authority to raise rev

enue by taxation and unable to borrow large sums, the Congress resorted to "printing-press money" to finance the War of Independence. Altogether 40 emissions of "Continental notes" were made between June, 1775, and November, 1779, to-

These notes, which were merely promises to pay, steadily declined in value until in 1781 a silver dollar quality. was worth 100 paper dollars, or "Continentals."

And it was at that ratio of 100 to one that the Government redeemed them under the funding act of 1790. The value of the supplies and services obtained by the Continental Congress through the issuance of more than \$241,000,000 of this flat money has been estimated to have

been about \$50,000,000 in specie. With that experience in their history and with "not worth a "Continental" in their minds, a good many Americans are wondering how long the Government in Washington can go on overspending its income before it, too, will have to turn to the printing-presses, with equally di- to your druggist and get 1 oz. of Parprivate pocketbooks.

"One of the weaknesses of de-times a day. mocracy is that, until it is right up This will often bring quick relief against it, it will never face the from the distressing head noises. Clogtruth."-Stanley Badlwin.

46 it?"-Eva Le Gallienne.

Exports Soar

Sales to Empire Lands in November Increase 35 Per Cent. — Britain Leads Way

OTTAWA, Dec 19-An increase of the water trough. During the Winter m.p.h.; non-stop range nearly 600 35 per cent. or more than \$12,000, season a large part of the ration miles; landing speed fifty-eight m. 000 was shown in Canada's exports to British Empire countries during cessitates the drinking of larger The best speed hitherto achieved November compared with November, fire-it amounts to approximately amounts of water than if pasture by a British commercial airplane of 1934, according to a report issued by

TOTAL OF \$84,114,990 cent. or more than \$6,000,000.

ing November amounted to \$48,256,- insurance companies. 475, compared with \$35,560,381 in November, 1934, while experts to for materials and methods of construceign countries totaled \$35,858,515 a- tion, and sweeping revision of premin November amounted to \$84,114,- of the important outcomes expected at one time tends to interfere with service of Royal Dutch Airlines, 990 against \$65,124,512 in Novem- from the scheme.

> customer among Empire councries, completed at Boreham Wood. Elstree. taking goods to the value of \$41,208-,464 and increase of \$11,136,012 or here that the hopes of bringing down 73 per cent. over November 1934, fire damage by millions of pounds a while the United States was the high | year are based. lest among foreign countries with \$25,598,393, an increase of \$5,752-,726 or 28 per cent.

OTHER COUNTRIES

A value of exports to other leading It is unlikely that the 'plane will ures in brackets; Australia, \$2,403be seen on the main Empire routes. ,076 (\$1,464,839); Newfoundland. It is not big enough to carry the \$1,085,565 (\$740,317); British Souvolume of passengers and mail con- th Africa, \$830,124 (\$730,236); New Show Horses templated under the government's Zealand, \$705,435 (\$553,777); British West Indies \$820,145 (\$566,411) But it will be an ideal "feeder" Irish Free State \$270,764 (\$475,for the main services .- London Daily 671); British India, \$207,495 (\$349-,056); British Guiana, \$145,493 (\$87,489); · Bermuda,

> (\$92,336.) Values to other leading foreign countries with last year's figures in brackets: Japan \$2,236,437 ' (\$2,391,-,977); Norway \$772,488 (\$652,660) France \$761,530 (\$1,298,562) China \$433,168 (\$688,915;) Brazil \$433,-913 (\$284,400); Germany, \$424,588 (\$156,526); Finland, \$335,388 (\$23-,460), Denmark \$223,750 (\$332,509)

## Set On Wheat Crop

Toronto. - Preliminary government estimate of the value of the sults of this advance in the fight tail was considered very fine. The met," the actor said. "The miracle he ly grain report of the Canadian Bank make use of specification "No. 476" Winter wheat conditions in the Un- and graded. itde States were generally favorable,

tal, \$5,500,000 less than in 1934. the southwest. The acreage seeded en recently.

### Britain Plans To Reduce Fire Loss

\$50,000,000 Damage is Done Every Year; to Change Materials

London. - A far-reaching scheme for cutting down damage done by £10,000,000 (\$50,000,000) a year—is to be launched in this country.

The plan has the backing of gov-AT THE same time exports to for- ernment departments, municipal aueign countries increased by 21 per thorities, the Royal Institute of British Architects, building and engin-Exports to Empire countries dur earing experts, and the great tariff

Sensational changes in building gainst \$29,564,131. Total exports ium rates for fire risks, are only two

A fire testing station-only one of The United Kingdom was the best its kind in the world—has just been It is on the work to be carried out

The station has been set up by the Fire Officers' Committee-an organization comprising all the tariff fire insurance companies.

Its most remarkable feature is a Empire countries with last year's fig building which contains three mobile ures in brackets; Australia, \$2,403. furnaces, each capable of testing 70,924 Fly In building specimens at temperatures ranging from 1,000 to 2,200 degrees Fahrenheit, and for periods of exposure from half an hour to six

Special machinery working under pressure of up to 4,500 pounds to the square inch, has been provided ports to the Bureau of Air Comfor applying the necessary "load" to merce, Department of Commerce, specimen walls and columns while from the 24 companies operating they are being tested.

The increasing financial toll exacted by fires and the development in 288,180 miles, carried 488,019 lbs. recent years of new building mater- of express, and flew 28,787,563 685); Belgium \$987,670 (\$867,- ials and methods of construction passenger miles during October. (A 791); Netherlands, \$819,272 (\$595- spurred the fire officers' committee passenger mile is the equivalent of to search for a standard method of one passenger flown one mile., assessing the fire-resisting qualities \$489,395 (\$333,657); Argentina of the various elements in the construction of a building-floors, walls. columns, and so on.

A specification for "fire resistance incombustibility, and non-inflamma-Sweden \$284,320 (\$128,274); Italy, bility of building materials and \$141,628 (\$615,832); Portuguese structure" was eventually evolved by the British Standards Institution.

It established five grades, according to the severity of the tests ap-

This specification is known as "No. There will be two immediate re-

Canadian wheat crop is nearly \$167,- against fire waste; local authorities Canadian wheat crop is nearly \$167,- against fire waste; local authorities restore new vigor and the vitality of 000,000 or about \$3,000,000 less than and others interested in the building youth. Send today for a bottle, \$1.60, lock were it was stated in the weeklast year, it was stated in the week- side of fire control will be urged to of Commerce. The prairie crop ac- in preparing their requirements, and counted for \$153,000,000 of the to- those manufacturers who wish to do so will have their products tested

"Revolutionary building changes the report continued, adding that are almost bound to come," said an

"Local authorities will hardly be for the 1936 crop is larger than last able to avoid stipulating for the season. Harvesting has started in standards specified, and manufacturnorthern Argentina, but will be ers who do not submit their products somewhat later than usual in the for test or whose products fail to south, where useful rains have fall- reach the standard will be at an obvious disadvantage.

### Manitoulin's Famed Turkeys

Manitoulin is celebrated for its his- Manitoulin Co-operative Turkey toric interest, for its beautiful lake and farm scenery, but probably most of all it has taken the lead as being the centre of the first exclusive tur-

key show ever held in Canada. Farmers on the island have gone into the business of turkey-raising-in an aggressive and commendable way, and the district is steadily gaining can be accomplished by co-ordinated prestige in this respect. This devel- effort. Turkeys grown on the island opment has not come about all at find their way to the tables of thouonce, however, but is the result of sands of homes, hotels and restaurthe application of energy and busi- ants, not only in Canada, but in the ness-like methods. The island has United States. The Manitculin bird been raising turkeys for more than has acquired a reputation for quality 20 years, the excellence of the birds and the farmers make such concerthaving been demonstrated in 1916 by ed efforts year by year to improve carload shipments to the United Stat- the standard that continued profites, where markets and consumers able returns seem assured for those

As a result of the co-operation of the Dominion and Provincial Governments, representatives of which made a study of the turkey-raising conditions on the island, an orderly system of marketing was established and the organization of the present

## Growing Deaf With Head Noises? Try This.

If you are growing hard of hearing, and fear catarrhal deafness, or if you have roaring, rumbling, hissing noises in your ears, go sastrous results to public credit and mint (double strength) and add to it 14 pint of hot water and a little Take 1 tablespoonful four

ged nostrils should open, breathing become easy, and the mucous stop dropping into the throat. It is easy "We are so often trapped in the to take. Anyone who is threatened inexorable Bigness that seems neces- with catarrhal deafness or who has sarily to imply Betterness. But does head noises should give this prescription a trial.

Growers' Association was affected. Since that time practically all birds have been marketed through this organization, dressed, box-packed and graded according to Federal poultry standards.

The results are indicative of what were much impressed with their engaged in the industry.

> Maple Syrup Evaporators · PRICE LOW - QUALITY HIGH Makes real high class syrup retaining the maple flavor you like so much. Evaporators that will make profitable your maple bush for a small investment. Write for catalogue of equipment, It is interesting. W. GORDON STEEL WORKS

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# U.S. In Month

WASHINGTON. - Scheduled air lines operating in continental United States carried 70,924 passengers October, 1935, according to reduring that month.

These scheduled air lines flew 5,-

"Mastery over self is not readily won; it is a life-work."-Cardinal

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The Most Unique Profit-Sharing Prize Contest in History

There are five sentences in the following group of words, find these five sentences, then write them correctly, and legibly. "Trust men, unless it is, because its blessings—be true to you—we can see—recognize the faults in ourselves—and they will—cursed — When you give -woman friend's achievement-show themselves great-treat them greatly-must gold be consured-it's a very-accused?-in others -cheap friendship -woman is delighted by a-a new baby-and they will-we are to-it is surprising-how slow-which a friend away-no

-are abused. Send your result in on or before January 15th, 1936, with an entry fee of twenty-five cents. 10 per cent.of the entire receipts will be shared between those who send in two errors, 15 per cent. With one error, 25 per cent. for a correct list. All entrants will receive the results. The more entries received, the more PROFIT TO SHARE.

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