nsible Epidemics

e of Human Fertile Field erms

es as guests, your ly be stolen. spitable to germs ood they like, you ve bronchitis, or or meningtis. ssured by The fl iger (Springfield), sudden outbursts warning. Neither from the activity must share with bility not only for but likewise for

senger: f any and all dis a person or even because that des f food of germs. to disease germe austion of agricul to humans. Either killing the goos4 n egg.

tons as tubercul

ore blame himself tant part in the femic. He not only on which the epi cultivates the soil e allows it to be rable for the rapid

s such a thing as ith relatively high rerwhelmed in au city of germs. inimized, however it sometimes maet with carriers. and in homes in even adults come berculous patients.

tes, however, that al resistance is on important factor large dovage of

n when a person

ghly contaminated

nonla are particutions of dischares vitation of humans almost universally the time.

illuted air, by eat id undernourishing ging suddenly from le temperatures to e temperatures, by and walking too lit ire for comfort and compensating adw is converted into mease germs.

titis is another disshing itself in the a spree or a connearly always preof epidemic meninthe germs are numake exposure rather

x and diphtheria. and child can take in the risk of these

ons show hom much

ind each individual s himself how many e will be the eptthis winter. of epidemic disease will bring is now

ection is almost cer-

as to whether this ther or not the body ist an attack. That tich we have a large y if we are clevet ze the situation and t ourselves accord-

ous aspect of unemis the possible etarticularly of childlead not alone to various communio thin the immediate ous health problems sis, lowered vitality, lertness, and an ininstability throughgeneration affected. ke these, because of nental capacity, may ing factors in the omic course of a na-

\$42,000,000

4---

than \$42,000,000 by France this year way works program nance and repairs to ational roads, Paris truction of buildings

Football Team he Austrian football ved against England tly have been decor-

Austrian republic."

Canada Reduces Buffalo Herd

to be Kept Within Grazing Capacity of Reserve

Wainwright, Alberta, which is admin- violet rays, ed the nucleus for the present herd of by the sun.

a total of 21,653 animals. The practice followed in this year's disposal of the surplus animals at real all receive allotments and there quart. by citizens in every part of the Do- Since it is maportant to know how

to be dried and later distributed to robes and rugs, and coats for both ladies and gentlemen. By careful treatment the weight of the coats has been reduced so that they compare THE BLESSINGS OF DUSTY AIR. favourably with other 'ns in this

Injections for the Drowsy

from other Canadian fur-bearers.

Four weeks of treatment b inject the menace it is commonly supposed. tion with gland extract enable her to be. the kind, says Dr. Jean Ponnin in Jos of fine particles of silicates, each a or plain woolen and you are ready a recent discovery of Dr. Leopold and thus produces the disease known

of profound weakness, was able, after warding off silicosis. Gold miners in fourteen injections of cortico-suprare the quartz seams of the Rand in hal extract, to get up at seven in the morning instead of at ten, a result unattainable hitherto. A young woman, an invalid, was af-

fected by a persistent sleepiness. She went to bed without waiting to eat her dinner so intense would be her desire to sleep. A multiglandular treatment, with suprarenal extract, made it easy fro her to get up in the morning at a | Feels quarter past six, ridding her of her drowsiness besides.

A doctor, having passed his fiftieth year, could not get up early. After a time he was freed from nervousness and pain.

Two farmers had many arguments he latter solved want it for?" create the rich new blood which is the latter asked. "Well," said the lacking in run-down, exhausted sysboy, "he's got a cabbage so big he says tems. Growing girls in great numhe'll want the saw before he can get bers have found Dr. Williams' Pink shop and asked for a toothbrush. It into the barrow." "Go back and tell him he can't have it. I've got it a supply from your druggist. 50c a year novelties yet."

Lest in a potato," was the reply.

Ders have found Dr. Williams I in a shop and asked for a toothordsh.

"Sorry, sir," replied the shopkeeper, "we haven't got in our stock of New Year novelties yet."

This Week's Science Notes

Dried and Pasteurized Product - Other Notes

Ottawa.—Upwards of half a million There is good reason to believe that with rock dust, particles tossed up in Ottawa. - Upwards of buffalo meat was placed on from 50 to 96 per cent. of the young the process of grinding cutlery, sand, the Canadian market during the children suffer to some degree from and minute bits of cotton "fluff" is bad the Canadian as a result of the slaughter of rickets—the disease caused by lack because, if breathed continually, it some 1,200 animals from the herd in of bone-hardening vitamin D. When it may incuce tuberculosis and pneumo-Buffalo National Park at Wainwright, was discovered that poverty-stricken nia. Apparently air charged with Alberta The disposal of these mem- children of the tropics who play in the limestone and flourmill dust is not hers of Canada's great national herd sun are less likely than city children "bad" in this sense. mas made necessary by the grazing to have bow-legs one of the signs of imitations of the immense fenced re- rickets-it occurred to Dr. Huldschinherve at Wainwright and the 1,200 sky that the ultra-violet rays in sun- Protests rise from gourmets. Good daughtered are the equivalent of the light must have some effect on bone cooking means cleanliness in itself. 1932 increase. This reduction brings formation. He proved his theory by But hygiene! The word smells of the herd down to approximately 6,300. some striking experiments with mer- iodoform, carbolic acid, surgical The annual reduction of the herd at cury-vapor lamps that emitted ultra- dressings. A dish hygienically pre-

tetered by the Department of the in- When Drs. Hess and Steenbock in- not of the kitchen. And the glass terior through the National Parks of dependently showed that foods which shops with the sterilized air and the Canada, calls to mind Canada's suc- were not preventives of rickets could white-clad butchers-must we be cess in bringing back the buffalo. The be made potent for that purpose forever reminded of appendicitis? herd at Wainwright developed from merely by exposing them to ultra- Cooking is an art, not a surgical or the Pablo herd purchased by the Do- violet rays, the case was complete, chemical procedure. And so the conminion Government in 1907. A total Cod-liver oil, for example, owes its servatives predict that the cordon of 716 animals were bought from the vitamin content to the fact that fish bleu will continue to follow the tradishrewd Montana balf breed and 631 ot devour sea food that has been irradi- tions of cleanliness, give all his these were established in Buffalo Na ated by the sun. Milk is good be- senses a chance to judge the fitness tional Park while the remainder form | cause cows digest grass turned green of fool to be served in a casserole

over 1,000 in Elk Island National Park. Vitamins are affected by the neat. white-tiled food factories, where ma-The animals placed in Buffalo Park Pasteurized and dried milk therefore chines and thermometers ar the real have increased rapidly during the lose some of their more valuable pro- clocks. twenty-five years since the establish perties. For this reason babies fed ment of the ark. A total of 6,673 was on pasteurized milk are always L.ven shipped north to Wood Buffalo Park orange juice. It occurred to early in- For the Slim Figure near Fort Smith, Northwest Terri- vestigators that if pasteurized cr tories; including this year's number a dried milk were subjected to ultratotal of 8,680 have been slaughtered violet radiation vitamins would be and the meat, heads, and hides dis- synthesized-especially the antirachiposed of; which together with the tic vitamin D. The experiments were \$300 still remaining in the park make successful.

INTRODUCING VITAMIN D Dr. G. C. Supplee, the director of Wainwright was the same as in the an industrial laboratory at Bainseveral years since a reduction of the bridge, N.Y., where the manufacture herd became necessary for its future of dried milk is scientifically conwell being. The entire herd was trolled, has now reduced this discovrounded up and the animals selected ery to commercial practice by standwere separated and placed in special ardizing the exposures. He and his corrals conveniently close to the abat- associates found that the rays do not toir. They included 500 over four penetrate more than a fraction of an years of age, 400 three year olds, 250 inch. Hence the milk is allowed to two year olds, and 50 aged buffalo. flow in a very thin layer in the beams Each day since November 3 when the of a carbon arc. Reflectors distribute work began, a certain number were the rays evenly, and at constantly slaughtered and the carcaises inspect- changing angles. The total exposure ed and placed in refrigerator cars for does not exceed sixteen seconds - not shipment to the larger cenres of popu- erough to affect the milk chemically. lation throughout the Dominion. Van- Dr. Supplee has thus activated 5,000 couver, Edmonton, Calgary, Regina, quarts of milk an hour at a cost of Winnipeg. Toronto, Ottawa an Mont- one twenty-fifth of a cent to the

minion were given an opportunity to intense the radiation is, Dr. Supplee enjoy a real treat. Buffalo meat has makes exact measurements with a all the julcy tenderness of the finest modified photo-electric cell. He ases beef and is highly . arded as an the cell much as any dairyman would article of food: Ninety . the car- use the thermometer, but in this case casses from the slaughter, including to control the temperature of the the fifty aged buffalo were set aside pasteurization.

The work of Dr. Supplee is imporamong the Eskimo to relieve cases of tant because it is now possible for manufacturers of dried milk and pas-The buffalo heads are mounted for teurizers to sell a uniform product sale, while the skins are made up in that will meet the standards set by physicians so far as its contents of itamin D are concerned.

One of the stock exhibits of comrespect. For warmth, durability and mittees organized to teach the public appearance they rank with the best how to avoid contracting tuberculosis is a pair of miner's lungs, black with coal dust. Yet that biological revolutionist, Dr. J. B. S. Haldane o. A woman of forty-five was always Cambridge University, rather starttired. She had to sleep about thirteen led an audience of physiologists and hours out of the twenty-four, and at bio-chemists at the University of whether coal dust or rock dust, is not

Rock dust by itself, Dr. Haldans Mais tout (Paris), owe everything to little knife that cuts into lung tissue to start. Levi, pioneer of endocrinology in as silicosis. But rock dust mixed with coal dust is no Sealth hazard. His knowledge of the internal-secre- According to Dr. Haldene, coal dust ming. tion glands prompted him to experi- stimulates expectoration. As he ment until he had tested extracts for clears his lungs and throat the miner 14, 16, 18, 20 years, 36, 38 and 40 sleepy-heads. A suprarenal gland ex- gets rid of the coal dust as well as inches bust. tract seems most potent with those the rock dust that may be mixed with who want to get up early. We read: it. In fact the irritation produced by An Egyptian woman, in a condition coal fast may actually be a benefit of

Mrs. Carr Finds Dr. Williams' Pink Pills Wonderfully Beneficial in Restoring Strength

"I am a middle-

tal visit, in fact—he could get up early Dr. Williams' Pink Pills and they without difficulty, and at the same have been a wonderful tonic to me.

great blessing to humanity."

South Africa are now being shifted to coal mines in order to test this

Just what constitutes "bad air," the subject of Dr. Haldane's Michigan ad-Great Herd in Alberta, Has Vitamon D Added to Both dress, depends on what the viewpoint it. The unquestionably pure air that the aviator breathes at 20,000 feet is "bad" in the sense that in re is not enough of it and that it exalts and leads to reckless acts. Air charged

> TASTE VS. SCIENCE. pared tastes of the laboratory and and leave the fear of bacteria to the

By HELEN WILLIAMS. Illustrated Dressmaking Lesson Fur-



woolens, plaided, tiny self-check pat- -Aughey. last getting up in the morning beca ne Michigan by maintaining that dust, tern or monotone, to fashion this lar, you can take white crepe silk or pique if you choose plain woolen. If novelty woolen is your choice, repeat with case. This and other cases of admits, is a real danger. It consists one of the colors in a rough crepe silk

> Note the smart buttoned neckline. Another is the similar buttoned hip treatment, so distinctly chie and slim-Style No. 3289 is designed for sizes

Size 16 requires 21/4 yards 54-inch with 1/2 yard 35-inch contrasting. HOW TO ORDER PATTERNS.

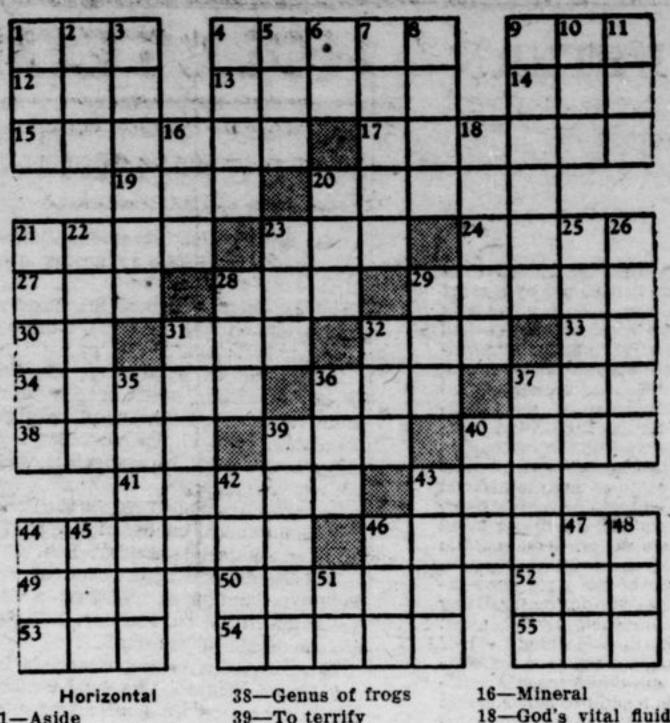
Write your name and address plainly, giving number and size of such patterns as you want. Enclose 15c in Recurring Weakness . stamps or coin (coin preferred; wrap it carefully) for each number, and address your order to Wilson Pattern Service, 73 West Adelaide St., Toronto.

Treatment of Poles

Ottawa.-The tendency of a wateraged woman, mar- soluble salt when "and as a preservaried 12 years. I tive against decay to climb up the saphave a weak heart wood to the top of the poles when they and sometimes get are placed in the ground has been the so weak I can subject of investigation by the Forest hardly m o v e Products Laboratories of Canada, Forcourse of treatment through the about," writes Mrs. H. Carr, Port est Service, Department of the Inenergy glands—from the ninth mediwith this investigation indicates that After taking three boxes, I feel quite poles treated with such water-soluble improved and am able to walk again. preservatives as zinc chlorides, are I consider Dr. Williams' Pink Pills a not immune for an indefinite period to fungous attack in the vicinity of the Mrs. Carr's high praise of Dr. Wil- ground-line, the most vlunerable point, to which could grow the best pro- liams' Pink Pills is typical of what be cause of the tendency of the salts one day one of them sent his thousands of other grateful women to gradually creep up to the upper have written. These pills actually part of the pole.

The motorist called at a village

OUR CROSS-WORD PUZZLE



1-Aside 39-To terrify 40-Grain 4—Deadly 41-Fearful 9-Pronoun 43-Sound of knock 12-Mold 13-To run away 44—Salted 46—Clear 14-Joke

49-To inspire fear 15-Again 50-Partly h 17-Having laments 52-Rather 19-Vase 53-By birth 20-To cringe 54-To eat away 21—Transaction 55-Number 23-Seed bearer 24-Slang: mediocre

actors 27—Age 28-Tub 29-Fashionable 30-Not any 31-Scottish for own 32—Conjunction 33-Colluquail: push 34-The end

4-Plant 5-Beve...ge 6-Preposition 7-Plant louse 8-Slim 9-Expanded 10-Shade 36-Hearth projection 37-Piece of information 11-Finish

1-Poem

2—Paddl€

3-Starch

Vertical

26-Incline 28-Along 29-Throng 31-Over 32-Instantly 35-Admission 36-Scuttle 37-Scarf 39-Beverage 40-Sign of zodiac 42-To award 43-Excursion 44-Container 45-To be due 46-Top 47-Anger

20-To believe

25-Witchcraft

22-Scent

21-Spanish title

23-Woodland deity

48-Low haunt

Weekly (London). In the old farm chimney Jane and I espied A poor shrivelled sheep's heart, Black and mummified. Tucked away upon the shelf, Where the flue begins, We found a sheep's heart, Stuck full of pins.

The Token-Heart

By Ralph Wotherspoon in G. K.'s

How it came to be there None could discover; Nor who had stuck the pins in it To plagt her faithless lover. Who the jilted maiden was And who the truant swain, I could only wonder, And likewise Jane.

"How she must have suffered!" Said Jane with a sigh-"She probably deserved to, And more," quoth I. "When she drove a pin home Did he feel a pain?" "I hope not," I answered, "I hope so!" said Jane-"I hope so, I hope so, I HOPE so!" Said Jane.

Take one of the lovely new soft when God shall take away the soul. vey, Department of the Interior, Otta-

+ Do You Know? +

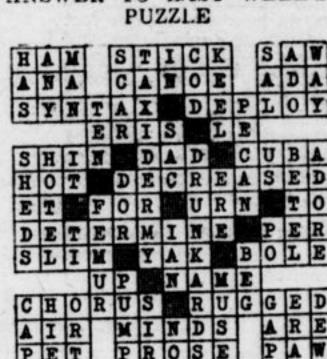
ANSWER TO LAST WEEK'S



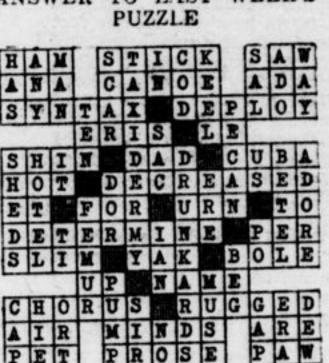
Alberta-British Columbia

Boundary berta and British Columbia is the crest of the Rocky Mountains from the International Boundary northerly to the intersection with the 120th meridan of west longitude from whence it runs due north along that meridian to the north oundary of the and the sooner the better; for, if re- nearly all the map sheets are now and Publisher, New York. tained, it will prove as a spider's web available from the Topographical Sur-

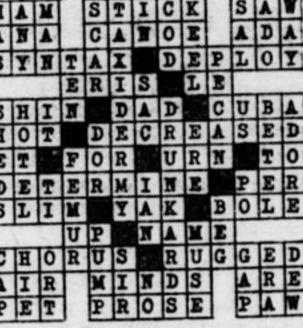
51-Put outs (baseball)



Ottawa.-The boundary between Al-



SHINDADECUBA HOTDECREASED



Condensed Geography Teacher-"What are the products

San Juan and-"

of the West Indies?" Boy-"I don't know." "Come, come! Where do you get sugar from?" "We borrow it from the next-door neighbor."

At April 1st, 385 morning newstwo provinces. The mountain crest papers had 14,391,417 net paid circusection of the boundary and the 120th lation; 1,543 evening newspapers had meridian as far north as township 97 paid circulation of 25,676,674. These have been surveyed by an Interpro- figures are within one per cent. of the godly life had better be given up, vincial Boundary Commission and net paid as of Summer, 1929.—Editor

Sonny-"Daddy, the dog has littered up the living room again." Daddy-"Break anything?" Sonny-"Oh, no, but she has six

You shouldn't expect to fly all night with the bats, and then sail around all day with the meadowlarks

Wife-"I've invted one of my old sweethearts to dinner. Do you mind?" Husband-"Mind! Heavens, No! always love to associate with lucky people."

Non-Transferable Teacher-"Tommy, come up here and give me what you've got in your

mouth." Tommy-"I wish . could- .: 's the toothache."

that sluggish teeling

Put yourself right with nature by chewing Feen-a-mint. Works mildly but effectively in small doses. Modern-safe-scientific. For the family.

reen-a-mint THI CENUINE



Owl Laffs NURSE LOSES 7 LBS.

"I weighed 145 lbs.," writes a nurse, when I bought the bottle of Kruschen Our leaning shadows eastward fall, Salts which I have just finished. have taken a good half-teaspoolful in Will hear and heed our Master's a glass of hot water every morning. Now I weigh 138 lbs., a loss o' 7 lbs. I don't know where we'll go from here, I am very glad to have lost weight, Or what we'll be or what we'll do, especially without trouble."-M.H.R.

My Dog and I

Old pal, the years are slipping by,

It won't be long till you and I

And I don't care—if only fate

school for stutterng?"

know 'em, don't you?

not hurt anything.

his suit."

p-p-p-picked it up."

Will grant me just one friend like

Friend-"Did you ever attend a

buttons out of the collection plate."

a little enthusiastic co-operation does

Medin-"I hear that when Gerald

Snyder was in the hospital he had to

Herbin-"Yes, his wife wouldn't

Modern Love Song

Believe me, if all those adhering

Of this suit which was just cleaned

Thou wilt be adored with my usual

My sweetheart, my loved one, my

But I'll sternly repress the emotions

I'll love you, but leave you alone.

Johnson - "Women don't interest

me. I prefer the compar" of my fel-

It's Hanuary Now in San Hosay

New President-"I stopped over in

New President-"Well, you'll have

to give me time. You see, I've been

in the State only through Hune and

Sellers-I'm broke too, brother."

we pronounce our J's like H's."

have two nurses night and day."

trust him alone with just one."

rive long after the crowd.

young charms

and arms

I feel-

low men."

(Trained Nurse). Unlike most salts, Kruschen isn't simply a laxative. When you take Kruschen Salts you not only stimulate your liver and kidneys to function naturally and perfectly, but you sup-Stutterer - "N-n-no, I j-j-just ply every internal organ, gland, nerve and fibre in the body with Nature's own revitalizing and rejuvenating Men are like boys. They'll work minerals.

much harder to amuse themselves Get a bottle of Kruschen Salts tothan they will to make money. You day, and take one-half a teaspor in a glass of hot water every morn's before breakfast.

Visitor-"What nice buttons you are Before the bottle is empty you'll sewing on your little boy's suit. My feel years ; ounger-eyes will brighten husband once had some like that on _ step grow springhtlier - nerves steadier-you'll sleep sound, enjoy Minister's Wife-"Yes, I get all my your meals, and after a hard day's work you'll be ready for wholesome recreation-one million women already Stolen kisses may be sweetest, but know all this.

FAIR QUESTION

A couple of men were playing a golf match, but not very seriously, for they managed to get a good deal of fun from the encounter. The climax came at a hole where one of them, attempting a terrific drive, saw the head of his club sali away at the end resistance, you must be content to ar-

"Now look here," said his opponent, in mock annoyance, "which is it going to be-golf or fishing?"

"Uncle, you're not married, are Which I view with admiring dismay, you?" "No, darling." "Then who Are going to rub off on the shoulders tells you what you ought not to do?"

Classified Advertising

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Old President-"Pardon me, but you Milk Cans, Ice Cream Packers, C: se should say San Huan. In California Hoops. Your old cans made ke new for less than half cost of new. Pasteurizers retinned at your own plant. Toronto Cadmium Plating & Tinning 190 Edwin Avenue. - Toronto

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5,000 TO BE GIVEN AWAY Any sufferer from this disease who sician, on the treatment and cure of Tuberculosis, may have a copy whilst the supply lasts, sent free of charge to any address. Applications to Enoch J. Swicker, Hew Germany, N.h.

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Wake up your Liver Bile

-No Calomel necessary Many people who feel sour, sluggish and wretched make the mistake of taking your stomach and intestines working as they chould, once more. Carter's Little Liver Pills will soon fix you up. Purely vegetable. Safe. Sure. Quick.

Ask for them by name. Refuse substitutes.

25c. at all druggists.

Shampoo Regularly with CUTICURA SOAP Precede by Applications of **CUTICURA OINTMENT** Sosp 25c. Ointment 25c. and 50c.

"NOW I FEEL **FULL OF PEP"**

After taking Lydia E. Pinkham's Vegetable Compound That's what hundreds of women

say. It steadles the nerves . . . makes you eat better . . . sleep better . . . relieves periodic headache and backache . . . makes trying days

chance to help you. Get a bottle from your dry gglet today. ISSUE. No. 3-'33

That in Wainright Buffalo Park, Alberta, experiments have

been carried out in cross-breeding buffalo and angus cattle in an en-

deavor to produce a milk and food animal capable of withstanding the

rigors of the very far North? The curious looking beast in the

photograph is the result of this experiment and is known as a "cattalo"