What Science Is Doing

NEW CANCER TREATMENT

Tiny particles of atoms have been found in certain instances to be more effective than X-rays in treating of cancer. The U. S. National Cancer Advisory Council announces the particles — neutron rays—have been used successfully for the first time on cancerous growths in human beings. "These rays are capable under certain conditions of killing the fiercely active cancer cells."

TELEVISION BY SPRING

An official of a television laboratory, at Rochester, N.Y., last week predicted early coverage of spot news events by sight and sound for broadcasts to the American public in an address to the Institute of Radio Engineers and Radio Manufacturers Association.

The statement came as the association received a report saying the television receiving sets would be available to the general public next spring.

OYSTER ATTACKS ANAEMIA

A means to aid the prevention of nturitional anaemia has been found in the Apalachicola oyster, available in Miami area the year round able in Miami area the year round, scientists announce.

The Florida oyster contains a higher content of iodine, has the four vitamins A, B, D and G. It contains iron and copper for the blood, phosphorus and calcium for the bones and teeth and iodine for the healthy thyroids.

VITAMIN DETECTIVES

Vitamins heretofore merely policemen of health, may turn detective—to discover indication of disease even before it actually sets in.

Dr. Casimir Funk, of Paris, originator of the modern vitamin concept and coiner of the word "vitamin," told a group of American scientists last leek that latest researches point to possibility that the normal body shows a distinct balance between certain hormones (gland products) and vitamins secreted in bodily waste fluids.

By establishing what the normal balance is, Funk said, medical men may be able to determine when the balance is upset, thereby discovering the possibility of diseases like diabetes and cancer in such early stages that they may be prevented.

Farm Forum

1. Q. "Please give me information as to plowing down buckwheat for fertilizer. I have a crop I sowed on poor land I would like built up." G. C. G.—Bruce County.

A. Buckwheat crops will return about 12½ lbs. of nitrogen.

2. Q. "Some of our good cows are looking bad this fall. Their hair is standing up, and skins are rougher than they used to be. Some cows have nearly choked on bones. A neighbour said the cattle needed bone meal. What do you think?" — J. P.—Grey Co.

A. Your description of conditions among your cows indicates distinctly mineral deficiency in pasture, or feeds that the cows are receiving. You should obtain a couple of bags of mineral supplements such as bone meal or supplements with bone meal base, and feed approximately one cupful to an animal at each feeding. With this treatment the cows should stop chewing on bones, and their hides should become smooth as the cows thrive more healthily.

Canada's 1938 wheat crop shows an average protein content considerably higher than in 1937.

For Bashful Boys

Dean E. Dryer, 28-year-old bachelor professor, of Atlanta, Ga., offers high school students who are shy in the presence of girls a course in "everyday living". Part of the curriculum consists of draping material on living girl models.

Your Life Span

1. Worry.
2. Eat too much.
3. Drink too much.
4. Smoke too much.
5. Sleep too little.
6. Neglect exercise, and
7. Fail to keep watch on your health.

Plowing Champion Settles Tractor Controversy

Carl Schoger, six-time national plowing champion of the United States, proved by actual test that a tractor runs better on rubber than on steel. With Firestone Ground Grip Tires he has saved hundreds of dollars in fuel costs alone.

Rubber Is Better On Tractor Wheels

Tests Prove Saving of Hundreds of Dollars If Machines Run On Firestone Ground-Grip Tires Instead of On Steel

Steel or rubber? For nearly seven years—ever since the first rubber shod tractor rolled across the fields of the late Harvey S. Firestone's farm, the relative merits of steel and rubber as tractor tire equipment have been subpects of divided opinion. Which is more practical? Which is faster? Which will do more work on a gallon fuel, a tractor on steel or a tractor on rubber?

Under the observation of an engineer from a leading university and of forty keen-eyed farmers who gathered in a field of barley stubble a few weeks ago, Carl Schoger, six-time national plowing champion of the United States, answered the above questions, but with facts of actual performance.

Tries It Out

From the fields of his neighbours, plowman Schoger borrowed six tractors, provided each with a set of steel wheels, a set of Firestone Ground Grip wheels, and an auxiliary fuel container of certified capacity—accurate to the fraction of a dram. Thus prepared, and with the carburetor drained, Schoger opened the line from the certified fuel tank and started across the field on the steel wheels, pulling a gang plow set at a depth of 6" to 7½". Upon the attainment of full travel speed, a marker was dropped along the furrow and a split-second stop watch started measuring time to the hundredth part of a second. At the end of thirty-six seconds, a second marker was dropped. At the end of a hundred seconds, a third marker was dropped and the tractor continued around the field until the last drop of fuel was consumed and the tractor sputtered and stopped dead in its tracks. With this data recorded, the tractor was returned to the starting point. The steel wheels were replaced with Firestone Ground Grip Tire equipment and the procedure was repeated.

The figures tabulated from these tests furnished accurate comparative information; 1st, on the number of yards covered in 36 seconds by each tractor; 2nd, the number of seconds required to cover the distance between the first and third markers; 3rd, the number of minutes and seconds required to empty the fuel tank at top plowing speeds. All of these figures were used as a basis for measuring the relative performances of rubber and steel in terms of time and fuel requirements.

The results were startling. Increased fuel cost on steel ran as high as 42 per cent. Increased time requirements on steel were even greater. To plow a given area of ground with one particular tractor required 43 per cent. more time than was necessary to do the same job on Firestone Ground Grip Tires.

Big Saving on Fuel

On the basis of 20,000 miles of service, the projected figures in the fuel saving alone amounted to $552 on tractor A; $248 on tractor B; $472 on tractor C; $226 on tractor D; $248 on tractor E; $470 on tractor F. Added to these amazing fuel savings shown by Firestone Ground Grip Tires are the equally important savings in man power. In a hundred days of operation, five tractors equipped with Ground Grip Tires would do more work than six tractors plowing on steel wheels, thus providing one extra man and tractor for another job.

ITCH Use D.D.D. Prescription
OF ECZEMA, RASHES AND OTHER EXTERNALLY CAUSED SKIN TROUBLES
STOPPED QUICKLY
AT ALL DRUGGISTS 35c • 60c • $1.25
32

MARTIN-BIRD

Important new ore developments southeast of main shaft on 250-ft. level.

Inquiries invited.

G. FIRTH
200 BAY ST.
TORONTO

Issue 49—'38

HAVE YOU HEARD

The patron tried to cut up his steak. After digging into it a dozen times with his knife and fork he summoned the waiter.

"Here," he growled; "take this steak back."

"I can't do that, sir," said the waiter.

"Why not?" demanded the customer.

"You've bent it"!' was the reply.

"The bravest man I ever knew," said the explorer, "was the chap who took a taxi to the bankruptcy court, and then, instead of paying his fare, invited the driver in as a creditor."

Magistrate: "Is the prisoner a known thief?"

P.C.: "A known thief! Why, he would steal the harness off a nightmare."

Second — "Heavens, man, why did you go down, he didn't hit you!"

Boxer — "No, but I read his thoughts."

We've noticed that just about the time we pick up a new and useful word, other people begin to work it to death.

Sam — We go away for our vacation every third year."

Fred — "What do you do the other years?"

Sam — "The first one we talk of last year's, and the next year we discuss plans for the following one."

Ministers everywhere are in favour of the use of zippers in the place of buttons. It is hard as the dickens to put a zipper in the collection plate without getting yourself caught.

Now for a bit of tragedy:

Theywalklikethisuponthe street, they're young and life is bliss — a thoughtless word, a lover's quarrel, and then they walk like . . . . . this.

Exports of gold bullion other than monetary from Canada during September last had a value of $34,738,000 compared with $11,-165,000 in September, 1937.

DRESSMAKER HAD TO QUIT SEWING

Hands Swollen with Rheumatism

Pity this poor dressmaker! Nine tenths of her work consists of sewing — and she was not able to sew. Rheumatism in the hands was her trouble, and she tried any number of remedies. But nothing helped much — until she came to Kruschen.

"Three-and-a-half years ago," she writes, "I had a violent attack of rheumatic pains. My feet and hands were swollen. The pain was terrible. I was really quite crippled and helpless.

"I tried many remedies without success. Then I started on Kruschen Salts, and after one month, I could stand up again. Then, I walked with a cane. In three months, I was quite well again. As I am a dressmaker, you can imagine what it meant to me not to be able to work my sewing machine. What a treat to be able to walk, to work, and to be free from pain." — (Mrs.) E.S.

The stabbing pains of rheumatism are often caused by needle-pointed crystals of uric acid lodging in the joints. Kruschen brings relief because it helps to dissolve those troubling crystals and to expel them from the system.

Classified Advertising

AGENTS WANTED

BE YOUR OWN BOSS, GET A JITO route. Toiletries, medicines, tea, coffee, extracts, spices, etc. Two hundred products. November, December: two best months. Start now. Thirty-day Trial offer at our risk. Free catalogue, details. Jito Products Company Ltd., 1031 Dorchester East, Montreal.

AGENTS—SELL MEN'S NECKTIES for Christmas. Write for samples. Murgatroyd Agencies, Yonge St. Arcade, Toronto.

APRONS BY MAIL

APRONS FOR BIG WOMEN, THREE styles, tubfast prints—colors, red, blue, green. Three for one dollar, post paid. Needlecraft Guild, 533 College Street, Toronto.

CHRISTMAS CARDS

PERSONAL CHRISTMAS CARDS made from your favourite negatives, 3 for 25c; 12 for 75c. Envelopes to match included. Established over 25 years. Brightling Studio, 29 Richmond Street East, Toronto.

FARM MACHINERY

FANNING MILL (KLINE) GUARanteed, proved best seed grader, wild oat separating. Kline Manufacturing Co., Islington, Ontario.

LOST AND FOUND

FARMER'S PANACEA: ROBUST health often lost, always found with MUS-KEE-KEE; millions throughout Canada have proven themselves during quarter century. Men, women, children, genuine first help. Positively guaranteed. Obtainable Eaton's, Druggists, Grocers.

MAKE A PLANE

BUILD AND FLY YOUR OWN plane. Write for catalogue, ten cents. Parts and accessories for sale. Hicks-DeHamel Air Craft Co., 58 Berkeley Street, Toronto.

FURS WANTED

RAW FURS WANTED FOR HIGHest market prices. Prompt returns. Bring or ship your furs to Lewis A. Jones, 189 Talbot Street, St. Thomas, Ontario.

PATENTS

AN OFFER TO EVERY INVENTOR. List of inventions and full information sent free. The Ramsay Company, Registered, Patent Attorneys, 273 Bank St., Ottawa, Can.

PERSONAL

QUIT TOBACCO, SNUFF, EASILY, inexpensively. Home remedy. Testimonials. Guaranteed. Advice free. Bartlett's, Box 1, Winnipeg.

PERSONAL

MARRY—WOULD YOU MARRY IF suited? Hundreds to choose from. Some with means. Many farmers' daughters and widows with property. Particulars, 10c. Confidential. Canadian Correspondence Club, Box 128, Clargary, Alta.

PHOTOGRAPHY

ONE ENLARGEMENT, 8 GLOSSY prints with roll developed 25c. Photoart Service, Drawer 809, Trenton, Ontario.

WANTED

YOUNG MEN—TRAINED AS TRAFfic Stenographers, earn big wages. Only School training for such positions. Learn at home. Inexpensive. Write without obligation, Cassan Systems, Toronto.

UPHOLSTERING & FURNITURE

LYONS ALTERATION SALE

RECONDITIONED FURNITURE

Everything must be sold regardless of cost. Thousands of dollars worth of real good used furniture to be sold at a fraction of its real value. Every piece thoroughly cleaned, reconditioned and sold under a positive money back guarantee of satisfaction.

$19.50 8 piece solid oak dining room suite, buffet, extension table, 6 leather seat chairs, in good condition.

$24.50 Beautiful fumed oak dining room suite, buffet, extension table, 6 leather upholstered chairs. Perfect.

$35 English oak suite, buffet, square extension table, 6 leather upholstered chairs, completely refinished.

$45 Large solid oak suite, 9 pieces buffet, china cabinet, extension table, and 6 leather upholstered chairs. Perfect.

$69 Beautiful 9 piece suite in rich 2 tone walnut finish, large buffet, double door china cabinet, square extension table and 6 leather upholstered chairs. Completely refinished.

$97 Solid walnut suite, cost new approximately $250. Buffet, cabinet, extension table and 6 leather seat chairs. Like new.

$39 Bed room suite, large dresser, chiffonier, full size bed, sagless spring and brand new mattress. Perfect condition.

$43.50 Smart modern suite, vanity chest, full size bed, sagless spring and brand new mattress. Completely refinished.

$49 Solid walnut suite, large dresser, chiffonier, full size bed, sagless spring and brand new mattress. Perfect condition.

$69 Beautiful suite in rich two tone walnut, large dresser, vanity, chiffonier, full size bed, sagless spring and brand new mattress. Completely refinished.

$89 Modern suite in Oriental walnut, Venetian mirrors, large dresser, chiffonier, vanity, full size bed, sagless spring and brand new mattress. Completely refinished. Cost new approximately $300.

$19.50 Large dresser, in walnut finish, full size bed, sagless spring and new felt mattress. Completely refinished.

$14 Three piece chesterfield suite upholstered in good tapestry cover.

$19.50 Large three piece chesterfield suite, upholstered in hard-wearing repp, rust shade, perfect condition.

$29 Smart 3-piece suite, upholstered in real hard wearing repp, reversible Marshall spring cushions, thoroughly cleaned and reconditioned.

$32 Beautiful suite, three pieces, upholstered in French jacquard, reversible Marshall spring cushions, guaranteed clean and in perfect condition.

$37.50 Large suite upholstered in real good mohair, reversible Marshall spring cushions. Perfect condition, guaranteed clean.

We have the largest stock of reconditioned chesterfield suites in the city. Over 100 suites in a large variety of styles and covers for you to choose from. Priced from $5.95 to $100.00. 25 Kitchen cabinets from $5.95. 49 stoves, large variety, $4.95 up. Large assortment dressers from $4.95. Chiffoniers $5.75. Vanities $3.95 Wash Stands $1.75. Wardrobes $8.95. Beds $2.50. Springs $2.50. New Mattresses $3.95.

Buy with confidence. All merchandise sold with a definite money-back guarantee of satisfaction. Thoroughly cleaned, reconditioned and carefully packed for safe and immediate shipment on receipt of money order.

LYONS
Chesterfield Manufacturers
478 Yonge St., Toronto

BOYS TOWN

SYNOPSIS: Boys' Town is a refuge for boys founded by Father Flanagan (Spencer Tracy). He is summoned by Joe Marsh, notorious gangster, who asks him to take his younger brother Whitey (Mickey Rooney) to Boys' Town. Whitey goes belligerently and quarrels with everyone but little six-year-old Pee-wee (Bobs Watson). Then Whitey gets an idea. He'll campaign for the mayoralty of Boys Town, a "fat job" as he calls it.

IV – "Play Fair and Square"

"Boy, that massage was swell."

Swollen with his own importance, Whitey swaggers about the place. His campaign includes lurid posters that tell the boys they're "suckers" if they don't vote for him. He goes to the barber shop one day and orders Mo to give him a trim and a massage. Mo has just been waiting for this golden opportunity. Instead of using soap, he completely smears Whitey's face with shoe-blacking.

"Hi-yah fellows. Do I get the chair?"

But when Whitey answers roll-call he suddenly glimpses his face in a mirror. Racing back he catches Mo off guard and wallops him in the eye. This is a serious offense at Boys Town. Whitey is immediately called up before the Council at which Father Flanagan sits in. Then, quite gravely, the boys pronounce sentence. Whitey is to go to the barns and milk one cow a day for the coming month.

"You're sure you earned it today?"

Father Flanagan is really worried about Whitey. He had hoped that by this time the young toughie would have softened up a bit. He decides to talk the matter over with Pee-wee. After asking for "a tiny bits a candy," Pee-wee gives his opinion. There just aren't any bad boys. The other fellas don't understand Whitey. Tenderly, Father Flanagan sends the little fellow out to play.

"Fair and square in the gym, Whitey."

The days pass and Whitey's campaign gets louder and brassier all the time. Father Flanagan notices his run-ins with the other boys. He decides that Whitey is spoiling for a fight. Taking him aside one day he points out Freddie Fuller (Frankie Thomas) present Mayor of Boys Town, and Whitey's pet hate. If Whitey likes he can challenge him. *Be sure to read the next thrilling episode.*