Tracing the Cause Of Stuttering

the Signal Corps Engineering Laboratories Photographic Branch at Fort Monmouth, N.J., inadvertently plugged a telephone headset into a playback jack while working with of a second later his voice began to be fed back at him, and he found it hard to talk. Since then he has

Some of these 100 subjects de veloped a quavering slow speech, others halted, repeated syllables, raised their voices in pitch or volume and revealed tension by reddening of the face. Some challenged disturbance but none defeated it. More than two minutes of the ordeal is physically tiring. Lee depends on hearing. The "artificial layed speech feed-back technique may aid specialists to find the causes of stuttering, said to affect about 1 per cent of the world's population — some 22½ million

Lee's work combines for the first time neural and electronic networks so that it is possible to investigate the production of speech itself. By controlling or altering the electronic network, in this case the magnetic tape recorder, Lee points out, psy chologists may be able to learn more about the nervous system. Why is the Signal Corps inter ested in such studies Because de layed speech feed-back problems such as a powerful echo returning cannot be ignored in public address

wanted echoes also sometimes creep

This Pretty Girl Had Four Wives

With screeching brakes, a ca ran down a middle-aged man. "Poor fellow, he's done for!" said a few minutes later they found their man" was a woman.

Papers in her pocket, and subse quently her fingerprints, established male impersonator who hoodwinker all Australia.

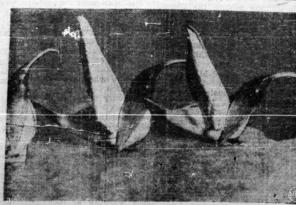
she loved. All her life she swaggered in masculine attire, first running to sea as a cabin-boy, then posing under the name of Harry Leon Crawford-a devil with th women-in New South Wales. chauffeur to a Sydney doctor. Nothing could have seemed more natural than that the chauffeur should flirt with the housemaid. They married: contracted a "bigamous marriage" with another woman, Wife No. 1 seems to have still considered "him" manly. Astonishing but true, Eugene actually "married" several

Her third "bride" was the widowed Mrs. Annie Birkett. The two ived together for over four years and appeared outwardly to be the happiest of married couples. Ther Mr. and Mrs. Crawford disappeared. A charred body was discovered. Crawford's neighbours were unaninous in recognizing Mrs. Crawford's set of teeth and a metal hair ornament. Eugene was found guilty of murder, and for the first time in

her life her womanhood proved use-It enabled her to be reprieved and the death sentence was commuted to life imprisonment. In 1929 she was released and resumed her own name o' Eugene Falleni.

But she still pretended to be a man and she soon dropped into obago, her death disclosed a new chapter. Eugene "married" again and for twenty years paid maintenance to a woman who remained in ignorance of her "husband's" past history. Working on farms and sheep ranches, Eugene Falleni led a man's

The young elk is called a calf; the young deer a fawn and the young antelope a kid.



Aren't They Tweet?-They're known as Crotalaria Laburnifolia, and they're not birds exactly-they're flowers. They grow in Auckland, New Zealand, on a leguminous shrub of the same name, and they bloom freely in frost-free areas.

Fancy Dresses for Spring Fancies

IN spring a young woman's fancy also turns to thoughts

of that age-old problem of what to wear. Two answers to grace 1951's spring fashion scene are shown at left and at right-both specifically created for

The cotton at right features enormous panier pockets, frosted with eyelet embroidery. The bodice of the Floridafashioned dress buttons from waist to demure, round

Tiny puffed sleeves and a full skirt complete the dress which is the sort of gayer than springtime creation for resort wear and other special dress-up occasions. Dressier still is the glamorous party dress at left, fash-

ioned from speckled, silky taffeta. A coat-type dress, its flattering wing collar and velvet buttons produce a double-breasted effect. The hipline is full and gathered, broken by a wide self belt.

Either dress should make the junior miss a sure hit with the opposite sex as well as the envy of fellow fashion

Equally as important, the creations embody good taste and so cannot help but to lend an air of discernment to the young lady's spring wardrobe.

Beatrice Pines swathes this

harlequin print suit about the

hipline to end in a side wing.

The bodice is shirred and the

decollete outlined with a stif-

fened self cuff.

1/4 cup chopped walnut meats

2 cups fine graham cracker

1 teaspoon baking powder

1 stiffly-beaten egg white

add to creamed mixture alternately

Fill greased custard cups two-thirds full. Cover tightly with wax-

ed paper. Steam 30 minutes Serves

one-half quart mold for one and

one-half hours. Individual cups may

HOBSON'S CHOICE

As he shook hands with his

friend in the smoking-room of their

club, he looked very grave. "I'm

"Eh?" What's that?" asked the

'I'm sorry to hear your uncle

"Speak up, man! I can't hear

"But I had to. He died."

Itching Scalp—

Loose Dandruff

Try This Home Treatment

For Quick Ease and Comfort Here is a clean powerful penetrating that brings speedy relief from the

also be baked (uncovered) in

350-degree oven.

uncle's decease.'

deaf one.

your uncle."

with milk. Fold in egg white

Method: Thoroughly cream

crumbs

1/4 teaspoon salt



TABLE TALKS

What are known as "one-dish" meals don't necessarily have to include meat; and here is a timeproven recipe that introduces the protein in the form of eggs and cheese. You may use carrots, asparagus, corn, egg-plant, celery peas-or a mixture of any of them

VEGETABLE SCALLOP 3 cups cooked vegetables 3/4 cup cracker or dry bread

crumbs (buttered) 3 or 4 hard-cooked eggs, 3/4 cup grated Canadian

3 cups milk 6 tablespoons butter 3 tablespoons flour 3/4 teaspoon salt

Method: Place vegetables, eggs and half-cup of grated cheese in layers in a buttered baking dish. Make medium white sauce of milk, vegetable mixture. Add crambs and emaining cheese. Brown in a 350-

Gelatine salads are always popuar in the majority of homes. They available in cold weather, and busy homemakers like them because they can be prepared well in advance. The secret of their staying fresh is that the gelatine seals the air away from the fruit and vegetables put in it, so that they don't wilt or discolour. Almost any fruit or vegetables may be used, so long

as the flavours go togethe GOLDEN GLOW SALAD

1 package lemon-flavoured 1 cup boiling water (drained from canned

1 tablespoon vinegar 2 teaspoon salt 1 cup canned pineapple

1 cup raw carrots (grated) Method: Dissolve gelatine in the boiling water. Add pineapple juice, vinegar and salt. Chill. When slightly thickened, add pineapple and carrots. Chill until firm.

Other Salad Suggestions With most homemakers, apples are a standby for that winter salad. Apple salad needn't become tiresome-there are so many variations. Here's one:

Cut up unpared red app.es, add chopped celery and nutmeats (black walnuts preferred). To the salad dressing you use, add an equal amount of whipped cream, and mix

Other ingredients to go with apples for that salad may be grapes, raisins, dates, oranges, carrots or pineapple. Try a peanut butter dressing with

3 egg whites 1 baked 9-inch pie shell stantly, until mixture thickens ing until stiff. Fold in banana mix-Turn into a pie shell. Chill until

CRACKER PUDDING 2 tablespoons shortening 1 teaspoon vanilla 1/3 cup beet or cane sugar
1 well-beaten egg yolk
1/2 cup chopped dates, raisins

It's made by adding three tablespoons peanut butter to one cup cooked dressing or mayonnaise. This dressing is good on a cabbage-

PEACH SKILLET PIE 2 cups flour 3 teaspoons baking powder

1 teaspoon salt 2 tablespoons beet or cane sugar 6 tablespoons shortening 3/4 cup whole milk

(Filling) 1 quart canned peaches or one No. 2 can 3/4 cup sugar 1 teaspoon salt

½ teaspoon cinnamon 2 tablespoons butter 4 tablespoons water Method: Sift flour, baking powder, salt and sugar together in bowl. Cut in shortening, add milk, mix-

> Pat and shape into the skillet with the fingers, allowing extra dough to extend down over the Fill with the sliced peaches. Sprinkle with sugar, salt and cinnamon and dot with butter. Fold the extra dough up over top of peaches, leaving the center open. Sprinkle crust with water and bake

one and one-half hours. Serve with . . . PRUNE CAKE 1/2 cup shortening

11/2 cups sugar 2 cups flour 1 teaspoon each soda, baking powder, cinnamon, all-spice

1 cup sour milk or butter-1 cup chopped stewed prunes Method: Cream shortening and add sugar gradually. Add beater eggs. Sift flour and other dry ingredients. Add alternately to creamed mixture with milk. Add chopped

stewed prunes. . Bake in a moderate oven at 350 degrees. Makes 12 large servings. Nice served with whipped cream, ORANGE CHIFFON PIE

2 teaspoons granulated 1/4 cup orange juice
1 cup mashed ripe bananas (two to three bananas) 11/2 tablespoons lemon juice

peel teaspoon salt 3 egg yolks, slightly beaten 5 tablespoons cane or beet sugar 1/2 cup orange sections, cut

in small pieces Method: Soften the gelatin i orange juice. Mix together bananas, lemon juice, orange rind, salt, egg yolks and two tablespoons sugar, Cook over low heat, stirring con-Remove from heat, add gelatin and stir until dissolved. Cool. Add orange sections and mix well. Beat maining sugar and continue heat-

> 140. JUN 11. 190.20 STEAMED GRAHAM

are out sunning themselves, particuarly on the walls or around the windows of a house with ivy on its walls. Ladybirds are, of course, those small orange bettles with black polka dots on their backs, and they have been around all winter, sleeping in cracks, and coming out even in January, to warm themselves from time to time. Now they come in increasing numbers. They walls because they feed on aphids. and aphids feed on ivy, among Ladybirds, which are technically

Coccinellidae, have strange winter to the mountaintops for the cold season, gathering there in such vast numbers that horticulturists sometimes gather them literally by the ton, take them to the lowlands, keep hem in cold storage until the growing season, then release them to clean the aphids from the vegetable crops. Brought out of cold storage, they soon return to full life and vigor And in a minor way they do the same thing here, creeping out f their hiding places, warming themselves in the sun, and starting their spring cycle of life far earlier

when they become active. But not an infallible sign, for they can, and do, go back to sleep when a chilly wave comes or even when the sun goes down on a warm day. And they can sleep for days and even weeks, even in March.

Head Clerk: "I am very sorry

Manager: "Very much, if you can ge: the undertaker to arrange it."

Ladybirds

On a mild afternoon the ladybird

habits. In California they migrate

In a way they are a sign of spring

Ladybirds are quite harmless t humans and most helpful to gardens. But they have cousins with less exemplary habits. The bean beetles, for instance and the squash beetles. They, too, hibernate. But not long enough, and not nearly far enough away, as any gardener will testify.-From The New York shortening, vanilla and sugar; add egg yolk; beat thoroughly. Stir in

> to hear of your partner's death. Would you like me to take his

SORE THROAT?

"I'm sorry to hear you've buried GIRLS! WOMEN! Do you suffer distress from Always apologise to a man if you're wrong-and to a woman if you're

And also want to build up red blood?

Says Chewing-gum Best Mouse Bait

The best bait you can use for a mouse-trap is chewing-gum. This is the conclusion reached by learned Professor John Wilmot, of Burlington University, Vermont, U.S.A., after experimenting with over one thousand different foodstuffs for

He found that the most popular bait, cheese, undoubtedly attracts the mice to the trap, but a mouse is so gentle that he can often remove the cheese or nibble it without setting off the trap.

But offer him chewing-gum and what happens? With his first nibble

"Mush!" He shakes his head to get rid of disturbs the trap and departs to mousy paradise. The professor maintains that heese-flavoured gum is best, but ordinary peppermint gum also works well. Contrary to popular belief, the

nouse breeds faster than even the Under ideal conditions one pair of nice can multiply to a total of 55,000 in one year.

Mice have an ancient history.

Their name comes from the Saus-krit word "mush," meaning to steal. oday they are taking over the canary's job of testing mines for more sensitive than birds to the deadly gas, carbon monoxide.

Watermarks In Paper

A minor mystery which puzzles many people is how the watermark gets into paper. The answer is simple. It is pressed in. When newly made and still damp, the paper passes under what is known as the "dandy" roll of the papermaking machine.

The watermark device is either nade up of wire woven into the surface of the roll, or a metal steneil

which is soldered on. The fibres, which form the heads of paper, are bruised where the dee presses into them and so the paper is made thinner in those parts. when watermarked paper 's held up to the light. Sometimes the only watermark

equired is produced by the "dandy' roll itself, as in the case of the parallel lines on some cigarette papers. Specially designed rolls are uilt up entirely of different gauges of wire threaded through a number of circles of metal. The piercing of the circles to take

mark is a formidable task. In one 20 in. in diameter, as many as 160, 000 small holes had to be punched with a hand tool. About the only business that makes money without advertising

WAKE UP YOUR LIVER BILE-

Without Calome! — And You'll Jump Out of Bed in the Morning Rarin' to Go The liver should pour out about 2 pures of bile juice into your digestive tract every day. If this bile is not flowing freely, your food easy not digest. It may just decay in the dig-stave tract. Then gas bleat up are the dig-stave.





Do female functional periodic disturbances make you suffer pain, feel so nervous, weak, cranky, restless—at such times? Then do try Lydia E. Pinkham's TABLETS to relieve such symptoms!

Taken regularly thruout month—Lydia E. Pinkham's Tablets help build up resistance against such annoying distress.

Tablets are also one of the greatest blood-iron tonics you can buy to help build up red blood to give more strength and energy in simple anemia. A pleasant stomachic tonic, too! Just see if you, too, don't remarkably benefit. Any drugstore.

Lydia E. Pinkham's TABLETS



It's One of the Best

As a hobby, recre or whatever you call it, gardening is one of the best. It is inexpensive - a few dollars will buy all the eeds, tools and fertilizer necessary. It is elastic-one can spend as much or as little time and energy as one flikes or the doctor advises. It takes us outdoors into the sunshine, 'lets us follow the natural spring urge of digging in the soil. And, gardening gives satisfaction that comes only from creating nething with our own hand With a few tiny seeds and plants one can have a flower garden that is as individual as a painting. With a few packets of vegetable seeds one can produce fresh quality that simply cannot be purchased for any

Planning Will Help It's not necessary, of course, but it will add to the interest and fun to do a little planning. Moreover until the weather and soil really start to warm up, planning is about all the gardening one can accomalish just now in many parts of Canada.

drawing more or less to scale. This ures of the property, the positio of the house, garage or any other buildings, the fence or property lines. It will also include any

sidewalks, gates, etc. In laying out a garden, the flowers and shrubbery are usually grouped about the lawn and ar ranged informally. The vegetable convenience is usually laid out i straight lines. In this planning a good Canadian seed catalogue and possibly a special government bulare usually willing and glad to pro vide free, will prove helpful.

The main purpose of planning in the big things at the back and the ittle things in front, so that nothing will be hidden. As for spacing t is a good general rule to allow half as much room between plants as these will be at maturity. That means a few inches for little things like alyssum, dwarf marigolds and such, and up to two or three feet or small shrubs and much more for the larger things and trees. In vegetables it is advisable to allow from one foot to three between the rows, depending on size at maturity be by hand or with a garden tractor. Where space is limited some room can be saved by putting

(he owned a car) was asked by the

magistrates how he came to be a

He replied that it was the only

age income of ten pounds a week,

with no appearances to maintain,

and in which he could have a day

fession was when some elderly passerby, looking rather poverty-

ap. He felt sure some could ill

off whenever he wished.

ound the edge of the vegetable

There are, however, some outdoor jobs that can be started almost anytime. One of the first will be lawn repairs or the starting of new ones. Grass seed makes its best growth in coel weather, in fact it must be sown just as soon as the soil can be worked. Sweet peas also must go in early for best results. They need to develop their deep growth before the weathattempted one should get a govern-

tellectual; in order to make the

layer of skin with carbolic oint-

seclusion while the raw surface

known as a "screever" because he "screeves" his drawings on the ancient Romans. For sixty days actual pavement and can be watchleeches were left to decompose in an earthen vessel filled with oil Many pavement-artists prefer to do their work on canvas and are

always ready to prove their ability by drawing lightning sketches of A really good pitch is worth a fortune to a pavement artist. One | Women pecked at their food, and the offerings thrown into the artist's cap to get some idea of how rich some of them must be. A Parisian pavement-artist named Eduard Loffe died recently and

One artist usually works three week, for if he stays on the same pitch all the time people cease to take any notice of him. mired complexion. Besides, the police frown upon an artist who fails to "move on" at

fairly frequent intervals. That money begets money is a fact well known in this profession. coin or two in it are likely to attract more coins.

a.m., when the actual screeving begins with crayon or chalk, It draw a complete picture. Wet weather is the pavement

customers.

If world citizenship were estab-lished, what could we do with a man who has to be deported?



Veteran Railroader Celebrates Century-Paddy Caesar (centre), Canadian Pacific Railway agent at Bolton, Ont., made a trip to Vancouver recently to attend a celebration for the 100th birthday of his father, John Caesar (right oldest pensioner on the CPR system and formerly station agent at Markdale, Ont. Messages from the King and Prime Minister St. Laurent were among those read at the occasion. Harry Mills, president of the CPR Pioneers' Association at Vancouver which arranged the party, looks on.

Really Suffered For Beauty's Sake

The feminine cult of beauty has been so intensified since the war that today almost incredible amounts of money are spent on But even though they undergo certain amount of discomfort when a slimming diet ,it is nothing to the

torture women in the past were twenty, a twenty-three inch waist prepared to bear in-order to attain the standard of beauty fashionable in their particular age. condary matter. In 1866, a girl wrote home from boarding-school Museums and art galleries display pictures of Italian ladies with to say that her stays were sealed beauties were not born looking inup by a mistress at the beginning of the week and remained on her

hair-line recede, they applied quickbody until Saturday, when they -An equally painful treatment for England in the eighteenth century,

tribe binds the head of every girl child, so that eventually it is a fair imitation of a Rugby ball. Ideas of beauty vary according to time and place. Tartar women used

Often the most unpleasant ingredients were used for the sake of Take the hair dye used by the

Why do women go to all this trouble when men throughout the and vinegar. The result was guar-anteed to make the tresses jet ages have complained that they like their wives to look natural? As far back as the reign of Queen Anne they were complaining about it. One husband, after describing During the Romantic Movement in the nineteenh century, the fash-

wife's jet hair and beautiful face were all the result of art, said: "I shall take the liberty of parting Byron wrote to Lady Melbourne, from her immediately, unless he eating or drinking, unless it be lobster salad and champagne, the only able to her real ,not assumed truly feminine viands." Hygiene Came Second Instead of eating roast beef, they wallowed gravel, coal dust and HAIRCUTS BY THE MINUTE

candle wax, and as a result lost digestion, appetite ,and rosy colour-Barber Ivor Fawcett of Kingsing. Pallid sallowness was the adteighton, England has grown weary Throughout the centuries, with plaining about paying as much for martyr-like devotion, women have constricted their figures. shocks of hair. In Tudor days a slab of iron was From now on, his customers will

inserted down the front of the have the option of paying the usual bodice, so that relaxation was made | flat rate or a special rate of 17 impossible. In France, at roughly cents a minute

THE FARM FRONT

you're yield of oats-raising more bushels on fewer acres—the fol-lowing will be, I hope, of interest and value to you. Out in a mid-west state a group of promin-ent farmers were asked for their suggestions long this line, and here is what they had to say.

The questioners assumed that most of the farmers would sow the newer high-yielding varieties clean and treat such seed before sowing. So the questions concern-ed the use of fertilizer; when to sow; whether to drill or broad-cast; whether to plow the ground asked to list their yield-increasing

APPLYING NITROGEN; Ove gen application in the top spot gen in second place. And fourteen per cent put nitrogen application in third place.

these successful farmers are really sold on nitrogen for oats. Probably a lot more farmers would adfor two things. First, nitrogen is sometimes hard to get and, Second, oats is often used as a nurse

Grass and legume seeds cos considerable, one farmer pointed out. So, naturally, you don't wan to use enough fertilizer to make the oats smother those seedings. To this objection, Edward Entzed, "Apply your fertilizer according to the test of your soil."

* * * The soil test and Agriculture Department recommendations will tell you whether phosphate or potash is needed. But for nitrogen requirements you should con-

model of corset was a hard and solid mould into which the wearer

A Parisian, writing of those days,

says that splinters of wood "pene-

the waist, and made the ribs rid

girls in their early teens were plac-

ed in iron corsets, so that by the

time they had reached the age of

were removed for one hour only

One African tribe adds a ring a

year to a woman's neck until it is

elongated like a giraffe's. Another

to pare away their noses between

the eyes; Virginian women in 1650

used an iron stamp on their faces

which left the mpression of a bird

so that she could wash.

In later years, in this country,

up one over the other."

If your oats land has had, say, only one crop of corn since it was in sod, you can afford to go light leave nitrogen out on spots that

EARLY PLANTING: Aimos one-third of the farmers put early seeding in first place; one-fourth in second place; one-fifth said third

test at one such station showed that each day's delay in seeding cost about one bushel per acre in yield.

DRILL INSTEAD OF tice first in importance. Over half of them put drilling in either first, second or third place.

ference in yield" was the comment

So in deciding whether to broadcast or drill, soil conditions and the kind of spring weather are imporand can avoid delay, by all means

PLOW INSTEAD OF DISK? vote for plowing was very light Only around eighteen per cent of the farmers put it in first, second or third place. Still, there are some who believe in it. For example, on the Elmer Bass

o fall-plowed land for oats," said

Lloyd Albers. "The yield was very

"be sure the disk is sharp and gets

into the ground deeply," advised Fred Ludwig. Others added that

the land should be harrowed down

"Use a roller to firm the seed-

bed," advises Martin Ringoen, Clar-

ence Decatur advocates "rolling and better seedbeds." Fred Bruene

says that weed control is highly

would be the best policy-leaving

Now, in conclusion, I'd like to

in a mid-Western State. Very likely

some of the recommendations made

wouldn't apply equally here in Ontario. Still, they'll all bear

as little as possible to chance."

important, adding that "probable

farm oats land was fall plowed or disk tilled after corn picking time in 1949. Yields were 70 bushels per acre from three varieties. "It was very beneficial in 1950" says Bass. But what worked well in one section may not be as good in an-

much less and the stand of cloves was poor." So possibly it might pay to plow for oats in certain areas; but not if the oats seeding is delayed thereby. OTHER PRACTICES. A warning that came from several farmers was-don't disk the land when it is too wet. You can't cultivate oats and break up the baked soil. But

low wash-over ground. But you should put nitrogencourse on thin fields or thin ally recommended is from 15 to 20 pounds an acre on fields that

"There are really only three good days to sow oats," said Oscar W. them are one and two days too



The Skis The Limit-With not quite the greatest of ease, ski star Katy Rodolph flies over the shiny slopes of Sun Valley, where she will make her bid for an Olympics squad berth on March 10 and 11. Although she looks a trifle apprehensive above, Katy usually performs with a confidence that has helped to make her one of the country's top ski stars.





