New Way Found to Prevent Moths Laying Eggs-Glaciers and the Weather

Times are also bad in the insect world. But the causes of this entome logical depression, unlike the economic unrest in the human world, are not hard to find. All are hild at the doo of Dr. Thomas J. Headlee, entomo-logist of the New Jersey Agricultural Experiment Station, who has discover ed that Oriental peach mothe and cod ling moths will not lay their errs in daylight nor in temperatures lower than 60 degrees Fahrenheit. This discovery brought into play electric flood lights controlled by ever alert electric "eyes." At dusk the lights are auto matically turned on. At dawn they are switched off. But if, during the night, the temperature drops below 60 degrees the lights are turned off. Thus conditions never favor the laying of peaches and apples are happy, but the insect world is not.

Glaciers As Barometers

glacier can be considered as a hind of economical unit, according to W. Werenskold, the Norwegian glaci-ologist, in a paper read before the British Association for the Advancement of Science. It is fed by snowfall in the upper parts, and it is eaten away by melting in the lower tongue. Wet and dry periods alternate. During a series of wet years the snowfall is great, there is little sunshine, the melting is diminished; as a result, the glacier grows and the tongue advances. In a dry period, with little snow and much melting, the glacier will decrease.

The Norwegian glaciers had a period of great advance in the years 1200 to 1740, when several farms were destroyed or damaged by the ice. This period terminated with three years of famine: the Summers were so wet orange seedlings to see if this odd va-and cold that cereals did not ripen. But even if such catastrophes are not to be expected the study of the bebavior of the glaciers will lead to regults of value, both to science and for practical purposes. Most of our water power plants depend upon rivers ris ing in the high, snow-clad hills, and the stage of the glaciers is intimately connected with the stage of the rivers. Moreover, the glaciers act as immens barometers, registering the climatic changes.

An Aluminum Sleeping Car

A sleeping car made of aluminum to be constructed as an experiment and will probably be exhibited at the Chicago World Fair in 1932. It is be Heved that a weight saving of from 30 to 40 per cent, could be effected if this light metal were used instead of would reduce hauling costs consider ably, but it is uncertain whether is would be sufficient to counterbalance the increased cost of building. Steel to used for wheels, brakes, springs

Life of Jewel Bearings

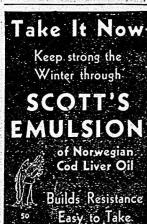
An examination into the long life of pivots and jewels has recently been undertaken by the British National Physical Laboratory. Such delicate measurements as the friction between the pivot and the jewel, as well as the torque due to the rotation, were made Among the discoveries made was that rust is formed during the rotation and is chiefly responsible for the increase of friction during wear. Lubrication does not diminish the friction, but does, nevertheless, ncrease the life of the bearing. It was also found that the definite shape and bardness of a pivot, the relation between the direc tion of the hole in the sapphire, or dia mond, and its crystalline axis all have an influence on prolonging the life of the bearing.

Pink Lemons Pink lemons are one of the recent



Sluggish Intestinal systems lower resistance to colds. Cleanse them with Feen-a-mint, the modern chewing gum laxative. Gentle, safe, non-habit-!forming. More effective because you





ISSUE No. 42—'31

Anywhere, Anytime



"Operator! I need your help!" exclaimed Mrs. Herbert Brodie as she hurriedly told the telephone operator of her

need.
"My son Billy is very sick and his father must be Bert Brodie, a commercial traveler, was known to be

somewhere in the western section of the province.

However, such is the persistence of Long Distance operators that when an urgent call has to be put through and complete information about the location is lacking they "follow through" as long as there is any hope of completing the call.

Twelve cities and towns were called before Mr. Brodie was located. Within two hours he was at his boy's bed-side. Upon the return of the father the boy began to show improvement. The telephone bridged the gap!

sights viewed by Californians. They Cold Water Taps mind, nor were they a freak of science They were due to one of nature's capricious little tricks. The rind, flesh and juice of this lemon are all pink, but little hope is held out of its being pagated.

Halibut Family Secrets North Pacific is giving up its family secrets. Ever since men began to catch this fish they have wondered, but have never been able to find out, where hallbut came from, where they goint, the Hindustan-Tibet road in hatched and what stages they go the summer is one where water through before they become real fish. larely to be seen; and the boon

ever found, queer little organisms to secure the xater from warden much like an enlarged globule of tapi- who serve it out. And for those me obtained that will enalls the United! India and Tibet. States and Canada to adopt scientific measures for the conservation of this great fish family. The annual Cana-dian catch of halibut amounts to more than 30,000,000 pounds.

Electrifying a Cucumber Bed The electrical heating of the soil round plants, so as to hasten their growth, has been used successfully in California. The purpose of the par ticular experiment was to put the pro duct on the market ear'ier than usual while the price was several time higher than in the ordinary season when all crops mature and there is an overabundance of supplies.

Two exactly similar plots of ground were tiken. One h insulated wires running through it about four feet apart and about eight inches below the surface. The current in the wires was regulated by a thermostat so as to maintain a temperature of about 70 degrees Fahrenheit, and the current flowed on an average of about two hours in every five. The other plot was not electrically prepared in a similar way. Cucumber seeds tere planted in both areas, in rows about four feet apart.

It was found that more than onehalf of the crop in the wired section had ripened and had been marketed before the first cucumber in the unheated plot had reached maturity. The ied plot was about \$100 greater than that received from the latter.

Skull 20,000 Years Old Unearthed in Germany

Stuttgart. - Important -rehistoric inds made in a cave near Ulm include the skull of a man from the Auri-gnacian period. This is the first one found in Germany, the only others in existence having been discovered in England, France and Austria. The cave, situated in the so-called Swa-blan Alb, was discovered by accident, and the Prehistoric Institute of con ducting the excavations. In the entrance to the cave paleolithic tools and bones were found. The cave dis-closed itself as a neolithic burial place, the finds including ceramics, handmills, flint weapons and the bones of mammoths, rhinoceroses, wild horses and cave bears.

The most important finds, in addition to the skull from the Auriguacian period, some twenty to fifty thousand years ago, include priicles from the first millenniums following that per-Among them are ivory needles and other implements of eight different types, mammoth feeth and spear heads of bone and ivory. Of especia importance also are the remnants o carvings representing men and animals. The excavations are continuing and further important discoveries ar expected.

Paper Made From

Banana Leaf Rio De Janeiro.—A process for makng paper from banana leaves has been developed by Dr. Virgilio Can pello, attached to the Chemical Institute of Rio De Janerio. Two factories are c ployed making banana-leaf paper and efforts are being made to develop a regular industry.

On Tropic Roads

man." This is the inscription that may be read hanging over a tap, beside a trading post on the Hindustan put on the market, although budwood Tibet road, between "mla and Mash- present time, and it has been manifrom its tree has been inserted in sour cbra, writes a correspondent of "The fested by such distinguished scientists orange seedlings to see if this odd va- Christian Science Menitor." The an- as Bell, Darwin and Spencer, nouncement, with its implied invitation, is another evidence of the thoroughness with which the British authorities in India seek to serve way-The great whitebellied halibut of the farers and those poerer members of forth Pacific is giving up its family the Indian and Tibetan communities Now, as a result of the work of the canadian-American Halibut commission, these facts are available.

Discovery of the first halibut larvae

John Bull

Mary Borden in Harper's Monthly (New York): John Bull makes a bad impression on strangers because he doesn't care what impression he makes. He is difficult to know bemakes. cause he doesn't want to be known Confirmed and contented pessimist his wants are few; one of them is to be left alone. It is st in philosophy, science or art that his genius lies, out in the conduct of human affairs. He is a practical, unconscious Socialist. He respects that queer animal, man, and his special contribution to the slow, lumbering evolution of the human race lies in that phase of civilized life most intimately connected with a natural, healthy man's needs. The Englishman has learned, among other things, the value of quiet and the high value of courtesy and how to give way to others. These are the in-signia of civilized man. So is tact and a readiness to listen to another man's opinions.

100-Mile Speed on Roads That 100 miles an hour speed soon will be common on the bighways and



RESTFUL SLEEP for FRETFUL, FEVERISH CHILD

With Castoria's regulation When your child tosses and cries cut in his sleep, it means that he is not comfortable. Very often the trouble is that poisonous waste matter is not being carried off as it should be. Bowels need help-mild, should be. Bowels need help—mild, gentle help—but effective. Just the kind Castoria gives. Castoria is a pure vegetable preparation made specially for children's ailments. It contains no harsh, harmful drugs, no narcotics. Don't let your child's rest—and your own—be interrupted. A prompt dose of Castoria will urge stubporn little bowals, to esturge stubborn little bowels to act. Then relaxed comfort and restful sleep! Genuine Castoria always has the name:

Facial Expressions

Declared to be Index of Emotions Rather than Character

The importance of facial expression n our everyway life—a subject under exestigation by psychologists in many lands-was empha 52: 2: the one han dredth meeting of the British Associaion for the Advancement of Science. In the following abstract of a paper who is a lecturer in comparative psy-chology in the University of Aberdeen, outlines his experiments in the study of physiognomic behavior and tells of conclusions.

All of us are always making faces. Our thoughts, as every mother and salesman knows, are expressed by our ook, as well as by our words; indeed our look is sometimes a better guide to our mind than what we say. Every one has met shy people whose twitchng faces belied the forced assurance f their speech.

The Greek philosopher, Aristole hought that we could tell a person's character by simply noticing what animal his face most closely resembled. le compared men with lions, women with leopards, and believed that whereis people with thick bulbous noses are nsensitive and brutal like pige, those with slender hooked noses are noble and grasping like eagles, and those with sharp pointed noses are easily made angry like dogs.

Few people would now agree with

hese opi. 'ns, or with the views of sixteenth-century physiognonists who regarded faces not only as outward and visible signs of their On Tropic Roads owner's virtues and vices, but also as ""Cold water for every infallible means of forecelling future events. Nevertheless, ir erest in the connection between our minds and our faces has persisted diwn to the Big Entry List

Facial Emotions

Whether the face reveals a man's general character is highly doubtful. But it is beyond disput, that it can reveal what is happening in the mind at the moment. When the irate colonel scowls, he reveals his feelings all too clearly to the trembling pri vate. And when the small boy puck ers his forehead, his teacher knows that he has not understood. The fact that faces express mental states underlay every silent film, where the joy, doubt or despair of the heroine was revealed, not by subtitles, but by

Some thoughts, pelings and desires,

I used photographs of forty facial expressions provided by two men and two women. With he help of my assistants I showed he photographs to more than 200 people, who were asked to write down what each face seemed to them to express. The: . was little agreement abou

some of the rictographs-those of faces intended to express complex and subtle mental and moral qualities. But with the best and most representative about others there was great and significant agreement. The results obtained from my photo

graphs er "t the fact that it is the instinctive .. ental processes, the simple, primitive em 'ons and desires that are most clearly expressed by the face. Arger, aggressiveness, grief, joy, disgust, fear, determination, coyness, scorn, surprise, se-f-satisfaction and so on-these cond emotions that come from man's primeval past and are rooted in his inborn nature-it is these that the face most readily and unmistakably reveals.

Professor Cyril Burt, it may be observed, reached a similar conclusion rom his examination of the interview as a means of assessing a person's character. When he and his assistants attempted to asses the character of that routes should be prepared to meet their several judgments agreed with this rate was the forecast of J. E. Hale each other only when they confined to the Society of Automotive Engin-their attention to simple emotional

pointed with a very considerable pride. ubjects, there was no significant difmen's judgments on the photographs. It seems, then, that if in ordinary life omen read faces better than men this is due, not to any special ability to do so, but merely to the fact that they pay more attention to them. Another point is that young child-ren of 4, 5 and 6 yielded results in substantial agreement with those of the

adults. This shows how early we be gin to rely on facial expression and or expressive behavior in general in get ting to know what is in other people's Importance of Eyebrows I carried out other experiments to

show what part the different features -eyes, nose, mouth, etc.-play in facial expression. They showed facial expression. They showed, among other things, h w important are the eyebrows and the mouth. One of my protographs had a depressed left eyebrow and a raised right eyebrow. When the left half was shown alone it was judged to express determina-tion; when the right side was shown alone, it was judged to express sur prise, and when the whole face was shown the results were fifty-fifty. The same thing I happened with other photographs divided horizontally, in which the bottom half expressed one emotion and the top half another. For every facial expression there

seems to be a special position of each separate feature—depressed eyebrows for anger, an open mouth for surprise, a raised upper lip for disgust, a mouth has the name:

Classification

CASTORIA

CASTORIA

CASTORIA

CASTORIA

CASTORIA

CASTORIA

CASTORIA

CHILDREN CRYFOR II

Takes upper in for disgust, a mount introduced with a trace down at the corners for superciliousness, a tilted chin for complacency, and a well-known position of the eyes for coyness. But, although this is so and although in each expression there is usually some one feature, or group of features, which dominates

CHILDREN CRYFOR II

The disgust, a mount in the supercircular complaction of the free from selection. Before IT stors your Take from the Science and Aluxcular Rheumatism. The average person requires from two to five bottles. Price \$2.50 per bottle. Mailed parcel post from the Thomas Rheumatism Remedy Laboratory, 21 yale St., London, Ont.

and characterizes the total effect, it is the whole face that counts. My experiments with composite photo-Now Being Studied experiments with composite photographs showed that my subjects judg ments were affected by all the fea-tures—the typical eyebrows and dilated costrils of rage, for example were counteracted by the open month

of surprise or the tilted chin of self-satisfaction. An interesting problem much discussed by Darwin-is why does the face express the various emo tions in the particular way it does!
Why, for example, do we have our teeth when we are angry, gape when in the following abstract of a paper occur when we are unjust when we are the association by Rex Knight, we are curious and blush when we are who is a lecturer in comparative psy-temberrassed? But this topic lay outside my investigation.

> Lines For Autumn Something fluttered on the sill, Brushed against the windowpane. Yet there was no whir of wings Nor another son

Trees stood tall and straight and

Not a blade moved on the plain, Gone were twilight murmurings-Silence all around Then one said he saw it swing Athwart the casement. It was He had seen its ruddy hue— A comet in the grass. And all knew how it would bring Gaudy hordes on whispering tread Golden curves against the blue—

still.

Knew these would not pass Till new glories had been spent, Cast on footpath and on wall Flung like thunder at the hill, Swept away by gales; Pass not as the summer went Quietly as first leaves fall, But as gusty autumn will, High on windy trails. Carlyle W. Morgan in The Christia

Science Monitor.

For Winter Fair

Live Stock and Agricultural Displays Higher Than Usual

A welcome and refreshing tone o onfidence in Canadian agriculturai conditions is sounded in the announce ent by the management of the Royal Winter Fair that "prospects for en tries at the Royal in all departments were never better than at the present

"Exhibitors in the western prov inces are most anxious o continue to display their live stock and other agricultural products." the Royal's state-ment goes on, "and the Dominion oca with black spots for eyes and tiny to 40 per cent. could be effected if s light metal were used instead of the usual all-steel construction. This uld reduce hauling costs consider of the superior of the however, are better expressed by the Government and the Provincial Govassistance in transportation and in the selection of the live stock and agricultural products.

"There has been more than the usual aumber of inquiries from United States points this year and the Royal's survey of Ontario and Quebeindicates that there is considerable more live stock than usual ready for exhibition, so that we are very satiswith the best and most representative live stock displays which we have

ever had.

"Although general conditions last November were anything but favor able, 1930 was the Royal's record year not only in exhibits and attendance but the spirit of the people at the show was happier than at any pre vious event. We feel sure that the spirit of optimism at that time has served a very useful purpose in that it has enabled Canadians better to view recent economic adjustments with equanimity. We believe that a similar result will be secured at the forthcoming Royal Winter Fair, and penitentiaries are filled with those who

"The Loyal this year is designed to friends of a girl who's about to be mar-commerciate its founding and inau-ried often try to comfort themselves guration ten years ago, when in the by saying they'd hate to be as crazy depression that followed the war it about a man as she is. Some trave helped so signally to restore confidence broadens the mind, but hitch-hiking to Dominion agriculture generally, seems to cularge nothing but the gall. Since its 'birthday' at that time it has established itself as an institution to which Canadians all over Canada have

"I he Royal is entering upon its nev cycle under conditions which permi it to perform a service to Canada in influencing the general outlook and state of mind of the Canadian people, apart altogether from its influence upon agriculture. The aim of the management is that everyone who visits the Royal and everyone who ex hibits there shall be better equipped to meet whatever problems may cross their path in the immediate future.'

RADIOS: BATTERY OPERATED, \$25 complete. Electric Radios, \$50 complete. Phonographs, \$15. We ship anywhere. Write for prices

TORONTO SALES CO.



STOP RHEUMATISM

Owl Laffs

Football Definitions Holding-Rumble seat technique. Forward Pass—(a) Illegal use of ands; (b) hospitality to the guy sit-

ting on the row in front.

Neutral Zone—Half the distance between the living room and the kitchen. Linesman—One who has a hot line. Unnecessary Delay — A guy who aits until he's leaving for an excuse

to kiss her. Fair Catch-A visitor, male er fenale, who is unencumbered. Backward Pass-Service to the guy

itting behind you. Time Out-Varies from 9 p.m. to

Safety-One who takes little sister long on a blind date.
Place Kick-Privilege enjoyed exlusively by her old man.

Snapper Back-Shell or Shelk well ersed in repartee. Disqualified Player-Victims of hali-In Play—Girlie who gets the grand ush with "cut-ins' 'at a football dance.

Fumble-A bashful cr awkward Downs - Condition which requires

spirin and tomato juice the next Continuously in Possession-Frane victim who has been double crossed y a guy who promised to "break" him

Kneeing-Unfair advantage taken by flappers. An old Dutchman, returning to Holland, was asked by a friend what in his estimation was the strangest thing he had noticed, and he replied: "The United States has many wonderful

things, but the strangest is a drink called the cocktail—and here is how they make it: They put in whiskey to make it strong, then water to make weak; gin to make it hot and ice to make it cold; lemon to make it sour, sugar to make it sweet; then they say, 'Here's to you!' and drink it them-

Father-"When I was your age, son was glad to get dry fread to eat." Bright Five-Year-Old-"You're much better off now that you are living with us, aren't you, Daddy?"

Bandi .- "What! Only thirty cents? Reen playing poker, eh?".
Victim—"No. but I've been sitting SHE HAD TO GRAWL with some fellows who were!"

The handlest place to live is within our income. When the at lays back its ears and humps it's brok, the smart dog knows it is time to use diplomacy. Our heart goes out to the man who joined the Navy to see the world and then spent four years in a submarine. A barking dog seldom bites, and a blustering man ever fights, '11 book "What Every Young Man Should Know" should be ch: 132d to "What Every Young Girl Should no." If we have to c without things we need, we just grin and bear it; it's doing out unnecessary things we want that makes us downhearted.

She-"What should I do for a spraind ankie?" Joe-"Limp!"

Mother-"Come, Freddie, and kiss our aunt." Freddie—"Aw, Ma, I ain't done

Mary had a little lamb, Given by 1 friend to keep; It followed her around until It died from loss of sleep.

Old Lady-"Why didn't you try to eep out of prison?"
"Gangster—"I did, and they gave me three months for resisting an officer."

to more roticeable perhaps on account got caught and the resorts crowded of the greater.contrast in conditions, with those who didn't. The older

Wife-'Well, dear, have you found job yet?"
Hubbyc-"Yes, my pet, you go to ork to-morrow."



A BOUT two hours after cating many people suffer from sour stomachs. They call it indigestion. It means that the stomach nerves have been over-stimulated. There is excess acid. The way to correct it is with an alkali, which neutralizes many times its volume in acid.

The right way is Phillips' Milk of Magnesia—just a tasteless dose in water. It is pleasant, efficient and harmless. Results come almost instantly. It is the approved method. You will never-use another when you know.

Be sure to get the genuine Phillips'

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Milk of Magnesia prescribed by
physicians for correcting excess acids.
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teeth and healthy gums is Phillips'
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TOR SALE-PURE NOVA COTIA mink My customers won sweep-stakes and firsts Chicago. Portland, Nio-1 bedm Mink Shown 1920. Limited number to took. Satisfaction at Nova Scotta's cidest minkery. Erook Mink Farm. West Middle Pilver. Nova Scotta

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HEALTH, HAPPINESS SUCCESS, Scientific laws by world famous asychologist. Valuable information free Write Simpson's, 56 McNaira Ave. To-

The driver of the dilapidated car asked the bystander: "Can you tell me the quickest way to Victoria?"

After a critical glance at the car, the bystander replied, "Yes, take a



Produces a rich, creamy lather that remains most through-out the shave. At dealers or sent postpaid on receipt of Mc. Address: J. T. Wait Company, Ltd., Montreal

CUTICUEA

Shaving Cream &

TO BED

One stair at a time—on her hands and knees—that was how she had to do it. And when she did get to led, her troubles were not over.

"Twelve months ago I could not sleep on account of the terrille rains in my knees, and I might say in all my joints. At night I could only cran't up to bed, one stair at a time. But since taking Kruschen Salts regularly. I have entirely lost all pains and stiffness, and, if needed, could now run upstairs two at a time. In fact, I feel 10 years younger. I shall never be without Kruschen Salts."—Mrs. A. E. D.

Do you realise what causes theumatism? Nothing but sharp-edged unic acid crystals which form as the result of sluggish eliminating organs. Kruschen Salts can always be counted upon to clear those painful crystals from the system. The six salts in Kruschen are bound to dissolve away all traces of uric acid. And more! They ensure such perfect internal regularity that no such body paisons as uric acid are ever able to accumulate again. Prove this for yourself by buying a bottle of Kruschen.

Praises Famous Vegetable Pills For Indigestion

"Having been troubled with Indigestion and Sick Headaches for several months, I was recommended to try your famous Pills. After the first dose I was made aware of their very real tonic value."—Miss M. Croydon. Dr. Carter's Little Liver Pills are no ordinary laxative. They are all regulable and have a very definite, valuable tonic action upon the liver ... exactly what you need to end Constipation, Acidity, Biliousness, Headaches, Poor Complexion, etc. All druggists, 25c & 75c red plan.





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You don't have to be none will your mother. She understands. This is always a "trying time". But there's no excuse for needless

But there's no excuse for necess suffering.

Watch the calendar... and a few days before... start taking Lydiz E. Pinkham's Vegetable Compound. It peps you up:.. calms your nerves... makes you feel so much better.

much better. Just ask for Lydia E. Pinkham's new tablets . . . at any drug store: Buy them without conversation or embarrassment.

