

RADIO DIGEST

Practical Pointers Concerning Wireless in All Its Branches.

Crystal Amplification.

One or two stages of amplification may be added to a crystal receiver with good results, but if this installation is contemplated it is advisable also to use a vacuum tube to replace the crystal detector, as batteries for filament heating and plate voltage must be provided for the amplifying stages and are therefore available for use with a detector tube. Sometimes, however, the crystal detector is advisable to give clearer and less distorted reception.

Latest Radio Development.

Two elements of radio receiving sets which have been perfected during the last year or two have gone far to help in making it convenient and satisfactory to use radio receiving sets outdoors. The first of these is a dry battery tube, electron tube detectors and amplifiers which require only a small dry battery rather than a heavy storage battery to light the filaments. The second is the development of more satisfactory loud speakers which furnish a considerable volume of sound without undesirable distortion. Thus it is possible now, with small portable receiving sets which can be purchased or which can be fairly easily assembled, to receive satisfactory radio broadcasting while camping or boating or making automobile tours.

For the Notebook.

Exceptionally long distances are heard late at night or early in the morning. Good headphones will detect a current as weak as 15 billionths of an ampere.

SULLIVAN'S FEAT WAS MARVELOUS

(Continued from page 1.)

The last 12 hours of the swim proved to be a tremendous endurance test. At 8 o'clock yesterday morning the pilot boat at Calais was a little over three miles ahead, but for the next two hours the swimmer's relative position to the land was unchanged. Then the tide set off the coast and Sullivan was forced to make a great fight to retain his advantage.

Gigantic Struggle.

At 11:15 o'clock Monday morning the swimmer was two and a half miles from shore with the Calais lighthouse to the southeast. He was then making 84 strokes to the minute and swimming very regularly. By noon the tide began to carry him westward down the channel and in the following hour he drifted in this direction, striking 88 to the minute and edging slowly across the current. At 3:15 o'clock Monday afternoon he had reached a point opposite the Sanguette Cliff. The water was choppy and the tide was dead against him.

The Tide Helps.

With the change of tide at 6:15 o'clock Monday evening Sullivan made better progress toward his goal, and the occupants of the boat could see the crowds on the sands in front of the Calais casino watching the struggle with the choppy channel waters. An hour later the swimmer was exactly opposite the lighthouse, one mile from the coast. He was quite cheerful and swimming strongly.

Swam 56 Miles.

It was five minutes after eight when Sullivan first felt bottom. He attempted to stand but staggered as though intoxicated, and one of the crew jumped from the boat up to his waist in water. "I don't want any help," cried Sullivan. "I'll finish this myself!"

To Get \$1,000 Prize.

Dover, Aug. 7.—The Daily Sketch announced today that it had decided to award to Henry Sullivan the £1,000 prize it offered some time ago for the channel swim. The newspaper says that although Sullivan entered the contest, he did not fulfill the conditions inasmuch as there was no representative of the paper in the accompanying boat, but that in view of his pluck and the fact that there is no doubt of his having accomplished the feat, the prize will be awarded.

Woman Turns Back.

Dover, Eng., Aug. 7.—Mrs. Clemington Carson, the U. S. long distance swimmer, abandoned her effort to swim the channel owing to cold and exhaustion. She had made excellent speed throughout the entire distance and it is said that but for a choppy sea encountered six or seven hours at a stretch in mid-channel, she is confident she would have accomplished the feat. At times the waves were so high that they obscured the pilot boat from the swimmer's sight.

Canadian Gives Up.

Calais, France, Aug. 7.—The Canadian swimmer, Omer Perrault, entered the water here at eight o'clock Sunday evening in an attempt to swim the English Channel but was obliged to give up when only six miles from the English coast. The failure is attributed to the roughness of the sea. Perrault was still swimming strongly when he decided to abandon the attempt. He returned here yesterday aboard the launch which accompanied him outward and announced his intention of making another try.

Henry Sullivan is the third man to accomplish the hazardous feat of swimming the English Channel. The first man to make the passage across the narrow but always extremely choppy course, with its tides and eddies, was Captain Matthew Webb and the second T. W. Burgess. Both were Englishmen.

Webb made the swim on August 24-25, 1875, covering the 22 1/2 miles between Dover and Calais in 21 hrs. 45 min. Webb was drowned on July 24, 1883, while attempting to swim the rapids at Niagara Falls.

T. W. Burgess accomplished the feat on September 6, 1911, swimming from South Foreland, England, to Le Chatelet, France. His time was 22 hrs. 38 min.

There has been standing for a long time an offer of a London publication of a prize of \$5,000 for the successful crossing of the Channel by a man or woman swimmer.

Nephew of Gloucester Bay Man.

Sydney, N. S., Aug. 6.—Henry Sullivan, of Lowell, Mass., Channel swimmer, is a nephew of William Connolly, Gloucester Bay.

JERSEY FARMER SLAIN.

Police Think Revenge or Robbery Was Motive for Crime.

Williamstown, N. J., Aug. 7.—Walter J. Crosier, 51, a farmer, was found shot dead recently on his farm six miles west of Williamstown. Gloucester County authorities say the murderer was committed two days ago and attribute the motive to revenge or robbery.

One of the Shore Line engines jumped the track at Duck Cove yesterday afternoon and it took a crew of men all evening to get them the track again.

King Square was crowded last night to listen to the excellent programme of music provided by the Carleton Cornet Band, under the direction of William Lanyon.

TO CLEAN SOILED CANVAS SHOES

With a box of White-O and a few minutes' time, you can keep your canvas or buckskin shoes always spotlessly white. There is nothing which looks more "sloppy" than soiled canvas or buckskin shoes. Takes only a minute or two to apply White-O and a few minutes longer to dry.

WHITE-O for White
BLACK-O for Black
TAN-O for Tan

Boston Blacking Company
MONTREAL
"Shine the Surface and Save the Shoe"

swimmer, is reported to have abandoned her attempt to swim the English Channel when at a point six miles off Cape Gris-Nez on the French coast. She is said to have become very exhausted during the last half hour she was in the water.

Canadian Gives Up.

Calais, France, Aug. 7.—The Canadian swimmer, Omer Perrault, entered the water here at eight o'clock Sunday evening in an attempt to swim the English Channel but was obliged to give up when only six miles from the English coast. The failure is attributed to the roughness of the sea. Perrault was still swimming strongly when he decided to abandon the attempt. He returned here yesterday aboard the launch which accompanied him outward and announced his intention of making another try.

Henry Sullivan is the third man to accomplish the hazardous feat of swimming the English Channel. The first man to make the passage across the narrow but always extremely choppy course, with its tides and eddies, was Captain Matthew Webb and the second T. W. Burgess. Both were Englishmen.

Webb made the swim on August 24-25, 1875, covering the 22 1/2 miles between Dover and Calais in 21 hrs. 45 min. Webb was drowned on July 24, 1883, while attempting to swim the rapids at Niagara Falls.

T. W. Burgess accomplished the feat on September 6, 1911, swimming from South Foreland, England, to Le Chatelet, France. His time was 22 hrs. 38 min.

There has been standing for a long time an offer of a London publication of a prize of \$5,000 for the successful crossing of the Channel by a man or woman swimmer.

Nephew of Gloucester Bay Man.

Sydney, N. S., Aug. 6.—Henry Sullivan, of Lowell, Mass., Channel swimmer, is a nephew of William Connolly, Gloucester Bay.

JERSEY FARMER SLAIN.

Police Think Revenge or Robbery Was Motive for Crime.

Williamstown, N. J., Aug. 7.—Walter J. Crosier, 51, a farmer, was found shot dead recently on his farm six miles west of Williamstown. Gloucester County authorities say the murderer was committed two days ago and attribute the motive to revenge or robbery.

One of the Shore Line engines jumped the track at Duck Cove yesterday afternoon and it took a crew of men all evening to get them the track again.

King Square was crowded last night to listen to the excellent programme of music provided by the Carleton Cornet Band, under the direction of William Lanyon.

MORE THAN 30,000,000 SMOKED EVERY MONTH

Honeysuckle Cigarettes

9 for 10¢

CANADA'S FASTEST GROWING CIGARETTE

THE BEST MOTOR OIL

En-ar-co MOTOR OIL

SCIENTIFICALLY REFINED

LOOK FOR THIS SIGN

NEW PROCESS INCREASES YIELD OF MOTOR FUEL

Detroit, Aug. 4.—(A. P. By Mail.)—Processes to increase fivefold the amount of motor fuel produced from each ton of coal will be put into effect shortly at the River Rouge plant of the Ford Motor Company here. This announcement is made by Wallace Campbell, vice-president of the Ford Motor Company of Canada in connection with the starting of work on a similar plant for distilling benzol from coal, to be located at Ford, Ontario. Under the new plan low temperature distillation will replace the present high temperature process. Present methods give 2.2 gallons of benzol, 7,000 feet of gas, 8 gallons of tar and 80 compounds of sulphate ammonia from each ton of coal, leaving a residue of 1,140 pounds of coke. Under the new process, as explained by Mr. Campbell, Ford engineers will obtain 10 gallons of tar, 8 gallons of cresolite and there will be a residue of 1,600 pounds of coke. Cresolite is not obtained under the present method of distillation. It is estimated that the low temperature distillation of coal, as planned, will increase the value of the product of each ton of coal by \$2.00. The River Rouge plant will be able to distill 4,000 tons of coal a day, or an increased productivity of \$8,000, while the

EVEREADY FLASHLIGHTS & BATTERIES

Won't Ignite Gasoline!

AROUND a car an Eveready Flashlight provides the handiest possible temporary illumination. And it's safe. Costs only a small fraction of one per cent of the car's value—yet consider the saving it may effect!

Always keep an Eveready in the car and make a habit of using it whenever you need extra illumination. Then forgetfulness or accident will have no opportunity to cause expensive loss.

EVEREADY FLASHLIGHTS & BATTERIES

WON'T IGNITE GASOLINE!

AROUND a car an Eveready Flashlight provides the handiest possible temporary illumination. And it's safe. Costs only a small fraction of one per cent of the car's value—yet consider the saving it may effect!

Always keep an Eveready in the car and make a habit of using it whenever you need extra illumination. Then forgetfulness or accident will have no opportunity to cause expensive loss.

ALUMINUM SALES & SERVICE
Maritime Distributors
145 Princess St.

CANADIAN NATIONAL CARBON CO. Limited
Montreal TORONTO Winnipeg

cost of Alaska will be scarce, according to Charles Coe, who has spent much time in the lower Cook Inlet country. The squaws refuse to marry full-blooded men because the white men are better providers and offer better opportunities for social advancement, Mr. Coe explained. Only the educated native who has some regular mode of earning a living has a chance to win a young squaw.

MAKES ROCKEFELLER WIGS.

Lidoff of Washington Says Each Takes Six Weeks' Work.

Washington, Aug. 8.—It was learned recently that a Washington man named Lidoff has been making wigs for John D. Rockefeller ever since the oil king first resorted to artificial hair. Mr. Lidoff, who used to be foreman for Heper's says it takes six weeks to fashion each of the Rockefeller coverings, as they must be formed hair by hair. Mr. Rockefeller has one wig for golf, another for church, and several other ordinary wigs.

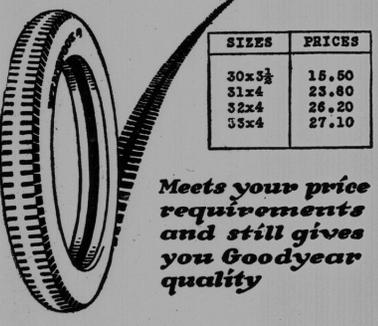
Easily Won.

The biggest liar in the country was strolling through an orchard with his friend. Pointing to a tree covered with hundreds of red apples, the friend remarked: "Let you a box of cigars you can't tell me a lie for every apple on that tree."

FULL-BLOODED ALASKAN NATIVES ARE DYING OUT

Anchorage, Alaska, July 10.—(A. P. By Mail.)—Within a few decades full-blooded natives along the southwestern

GOOD YEAR WINGFOOT CORD



SIZES	PRICES
30x3 1/2	15.60
31x4	23.80
32x4	26.20
33x4	27.10

Meets your price requirements and still gives you Goodyear quality

Goodyear means Good Wear

CHEVROLET

Economy Definitely Proven

BY THE RESULTS OF THE NATIONAL ECONOMY CONTEST

55.4 Miles to the Gallon

CHEVROLET owners themselves have proven beyond all doubt their claim that Chevrolet is the most economical car in the world to operate. 55.4 miles to the gallon of gasoline is an almost unbelievable record for any car to make, yet this record was made by a Chevrolet in Edmonton, driven by its owner. It was a stock car in every sense of the word and no special appliances were installed on the motor or carburetor. Many Edmonton people witnessed the test from start to finish, including F. H. Needham, Automobile Editor of the Edmonton Journal, and one of the best known automobile men in Western Canada. Though this record was the highest of the many received, there were many others almost as remarkable, such as 41, 42, 44 and 45 miles to the gallon in all parts of Canada. Runs were made under ordinary road and climatic conditions and were witnessed by at least two independent witnesses who rode with the owner.

One of the most remarkable features of the contest was the very high average mileage obtained.

An Average of 34 Miles to the Gallon of Gasoline

was obtained by the great number of owners who entered the contest. The list of prize winners from the different Provinces is given here. What these Chevrolets have done any Chevrolet can do. Economy is just one of the many desirable features which have made Chevrolet the fastest selling, completely equipped automobile in the world to-day.

Dealers wanted in territories not adequately covered.

CHEVROLET MOTOR CO. OF CANADA, LIMITED

Subsidiary of General Motors of Canada, Limited

OSHAWA and WINNIPEG

Here Are the Winners

Prize	Name	Town	Miles per Gal.
GRAND PRIZE—\$100 CASH:			
1.	J. B. Starkey	Edmonton	55.4
BRITISH COLUMBIA:			
1.	C. E. Bowles	S. Wellington	44.67
2.	P. E. Thomas	Vancouver	42.1
3.	L. W. Heath	Vancouver	37.2
4.	A. P. Halliday	New Wellington	35.8
ALBERTA:			
1.	J. B. Starkey	Edmonton	55.4
2.	L. H. Large	Calgary	44.57
3.	Alex. Hudson	Edmonton	39.8
4.	D. L. Campbell	Edmonton	38.2
SASKATCHEWAN			
1.	W. A. Reid	Antler	30.67
2.	L. Careless	Watrous	29.6
3. and 4.	No Award.		
MANITOBA:			
1.	W. J. Macnamy	Fort Rouge	34.9
2.	E. Nicholson	Winnipeg	33.53
3. and 4.	No Award.		
ONTARIO:			
1.	J. M. Sandler	Beachville	45.1
2.	J. J. Depey	Bradford	41.8
3.	R. Halliday	Ottawa	40.8
4.	L. Petegorsky	Cummings Bridge	40.5
QUEBEC:			
1.	Joseph Pelland	Coaticook	45
2.	J. J. Forest	Coaticook	38.83
3.	A. Smith	Stanstead	35.17
4.	E. Malomin	Charry	34.5
NEW BRUNSWICK:			
1.	R. M. Johnson	St. John	31.47
2.	A. McLennan	Truro	31.33
3. and 4.	No Award.		
NOVA SCOTIA:			
1.	E. McLennan	Little Bras d'or	37.33
2.	A. Mackay	Bridge	30
3.	W. A. Hemmessey	Joggins	27.67
4.	No Award.		
NOTE.—Prizes in Each Province were as follows:—			
First Prize	\$50.00	Cash	
Second Prize	\$25.00	"	
Third Prize	\$15.00	"	
Fourth Prize	\$10.00	"	

MUTT AND JEFF—KEY CHAINS SHOULD BE BARRED AT ARDSLEY COUNTRY CLUB



LISTEN! I'M SITTING PRETTY, JEFF! MY MAGNETIC GOLF BALL IS 100% PERFECT AT LAST! I'VE SEEN IT THAT THERE'S NO STEEL ON THE COURSE BUT THE DISCS I PUT IN THE PUTTING CUPS! I WONDER WHAT'S DETAINING JOHN WHEELER?

MUTT SAYS FOR YOU TO HURRY, JOHN!

I'LL RUN OVER TO THE CLUBHOUSE AND SPEED HIM UP.

—MUTT GETS JEFF TO WANT TO LOOK UP HIS NEW TRICK IN MY LOCKER WITH HIM!

THE GATS ARE GONNA BE ON YOU, WHEELER! HURRY UP! 'EM GONNA MAKE THIS HOLE IN ONE!

ONE! OUT YOUR KIDDING, MUTT!

ANY PART OF TEN BUCKS!

WHAT TH?

EXCUSE ME! I'VE GOT MY NIBBLICK!

IT'LL TAKE THE SAME!

ALSO THE CHAIN!