

THE

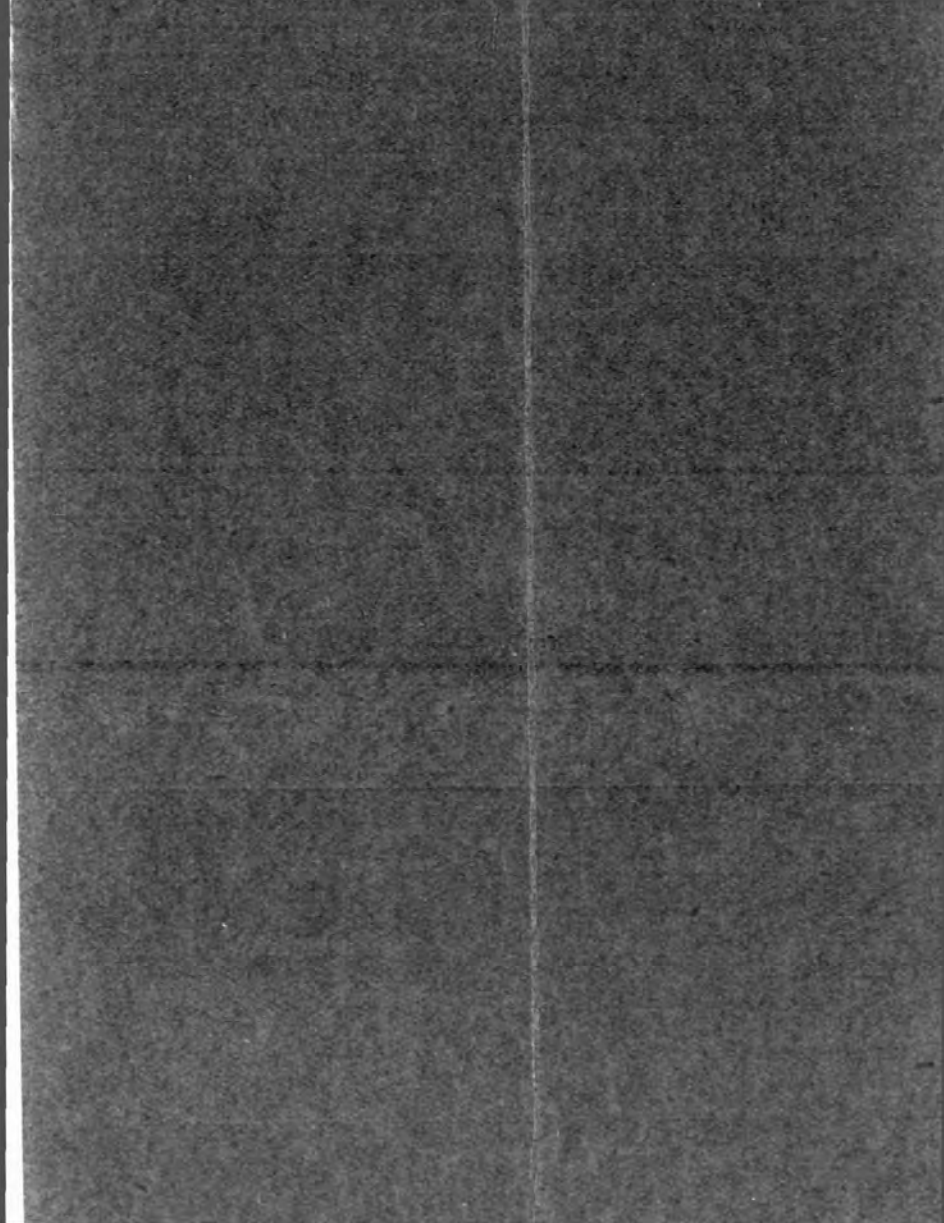
GEM

SEPTEMBER



NINETEEN
HUNDRED
THREE

COLUMBUS NOVELTY
PRINTING COMPANY,
PUBLISHERS.



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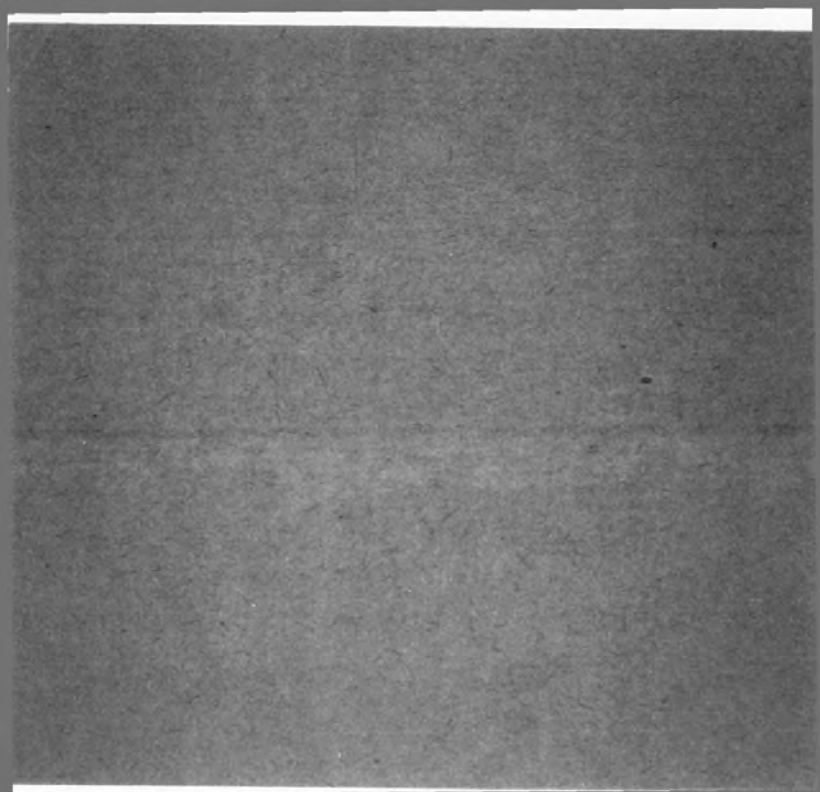
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THE GEM,
1285 Forsythe Ave.



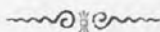
THE GEM

VOL. 1. COLUMBUS, O. SEPTEMBER NO. 3.

HERTZIAN WAVE Wireless Telegraphy.

BY

H. L. KIRKLING.



The public interest which had been aroused of late years on the subject of telegraphy without wires has been stimulated by the achievements of Mr. Marconi. The daily papers which are the chief sources through which information reaches the public have done little to convey a practical

explanation to it.

The practical problem of wireless telegraphy which is known as Hertzian wave telegraphy, Marconi telegraphy, or spark telegraphy, is that of the production of an effect called an electric wave which can be sent out into an alphabetic code.

I shall in the first place consider the transmitting arrangements and the nature of the wave transmitted.

The transmitter used in wireless telegraphy consists essentially of a device for producing electric waves.

Water Waves or Vibrations.--- When a stone is thrown into a pond waves of water ripple away in ever widening circles, the waves travel outward in all directions. The distance between the waves is called the Wave length, while the difference in level between the crest and

trough is called the Amplitude. However if the water is struck at regular intervals by a rod or paddle a certain rate of strokes may be found which will produce a series of waves. Altho these water waves move out rapidly from the center of disturbance, the particles of water merely move up and down and do not flow away from their position.

Ether Waves or Radiation.--- Turning then to consider the electric wave instead of the water wave, we notice that the medium is Ether which fills all space.

Waves that can be seen and heard have the same characteristics as those set up in ether when magnetic disturbances are transmitted.

The ether is not supposed to be matter in the ordinary form of gas as we usually consider it but is assumed to have the capability of being set into vibrations or wave motions. When we move thru ether we do not disturb it. Ether waves can be generated by electric or magnetic disturbances. When these waves strike conductors at a distance, electric activity is set up.

Ether waves vary in frequency from several thousand trillion periods per second, to possibly one hundred million periods per second and vary from a few millionths of an inch, to several yards in length.

(Continued next issue.)

A Popular Fiction About Steel.

Many people imagine that by blowing their breath on the blade of a knife they can tell whether the blade is steel or pot-metal. Now, a person's breath will adhere to a pot-metal blade and fade away the same as on steel, but nine out of ten men don't know this, and that is the reason so many people carry inferior pocket knives.

THE GEM.

A magazine for boys.

EDITORS.

R. H. Anderson,
C. A. Abel.

Issued on the 1st of
every other month.

Subscription price 10 cents per
year, in advance.

ADVERTISING RATES.

1 inch - - - - -	\$.05
¼ page - - - - -	.10
½ " - - - - -	.15
1 " - - - - -	.30

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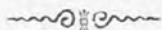
We beg to announce to our readers and advertisers that from henceforth we shall publish this paper but once

in two months. We are compelled to do this on account of overwork and other business which we have to attend to. By lengthening the time between numbers we can make the paper much larger and put the proper amount of time and work on it. We hope that this arrangement will meet the favor of all.

We are always on the market for good manuscripts. Try your hand at writing a story or some of your experiences, or anything that will be of interest to the people.

Advertisers will please note that our subscription list is growing rapidly, do not be afraid to give us a trial ad.

◁ COMIC ❖ CLIPPINGS. ▷



Observations.--A minister was one day walking along the road, and to his astonishment he saw a crowd of boys sitting in front of a ring with a small dog in the centre. When he came up to them, he put the following question:-- "What are you doing to the dog?" One little boy said "Whoever tells the biggest lie wins it." "Oh," said the minister, "I am surprised at you little boys, for when I was like you I never told a lie." There was silence for a

while, until one of the boys shouted, "Hand him up the dog."

Labor Leader.

One of his best.--Of the countless good stories attributed to Artemus Ward, the best one, perhaps, is one which tells of the advice which he gave to a southern railroad conductor, soon after the war. The road was in wretched condition, and the trains consequently were run at a phenomenally low rate of speed. When the conductor was punching

his ticket, Artemus remarked:--

“Does this railroad company allow passengers to give it advice, if they do so in a respectful manner?”

The conductor replied in gruff tones that he guessed so.

“Well” Artemus went on, “it occurred to me that it would be well to detach the cowcatcher from the front of the engine and hitch it to the rear of the train, for, you see, we are not liable to overtake a cow, but what’s to prevent a cow from strolling into this car and biting a passenger?”

er?”

Travelers Record.

CRAWFISH & OTHERS.
 devresbo reve uoy evaH
 yarg hsifwarc eht tahT
 drawrof og ot redro nI
 ?yaw rehito eht seoG

,yas ,dnA
 devresbo reve uoy evaH
 ohw elpoep emoS
 yltxaxe drawrof oG
 ?od sehsifwarc sA
 New York Sun.

Here is the puzzle:--
 Mary is twenty-four years old. Mary is twice as old as Ann was when Mary was as old as Ann is now. How old is Ann?
 The Popular Science Mo



STAMP NOTES

BY

ROBT. H. ANDERSON



THE following illustration shows the new king's head stamps of Canada, which were recently put on sale there.



The stamps are very neat and attractive, with but slight difference to

the old Queen's head. So far only the following values have been issued:

- 1c green
- 2c carmine
- 5c blue
- 7c olive yellow
- 10c brown violet

The current issue, one cent has been pre-cancelled, Columbus. The printing reads upwards.

There is talk of printing the 3 cent stamp in black for mourning stationary.

The Columbus Philatelic Club will be called to order on Friday Evening, Oct. 2. All members are requested to be present at this meeting. Bring your friend collectors and enjoy yourself at the home of the president, Mr. R. H. Anderson, at 460 Vermont Place.

Out of the millions of letters which go thru the New York Post-office every month, over seventy thousand are thrown aside by the clerks as having blind addresses, and are sent to the "blind reader."

In one month, he examined 73,889 blind addresses, nearly 64,000 of which were sent to their proper destination.

In the early days of postage, in U. S., the postmasters issued stamps good only at their office, for transporting mail to its destination. New York issued one of these provisional stamps in 1845. We illustrate the five cent, the only value issued, which was printed in black on bluish paper.



Grille and embossing are terms, when applied to adhesives, that have the same meaning. The grille indentations are measured by the millimeter scale.

Seebecks are the stamps that were furnished by the engraving company of which the late N. F. Seebeck was president, to certain South and Central American Republics in return for the remainders of each issue supplied; at first there was a new issue each year.

Silk paper shows minute shreds of silk imbed-

ded in the substance of the paper.

Laid paper shows a thinness and thickness alternately when held to the light. e. i., the paper of the currant U. S. envelopes.

Wove paper presents a uniform surface when held to the light; it is the paper commonly used for newspapers, etc.

Collectors join the Columbus Philatelic Club, a society for local collectors. Dues 25 cents a year. Be present at the first meeting and annual election Oct. 2. This is the third year of this society.

❖ ❖ OUR ❖ ❖
ADVERTISERS.

Stamp collectors, if you want good stamps by the pound and other bargains in stamps, do not fail to see the ad of Shirley E. Moisant.



Elmer Smith, Colusa, Illinois, offers 10 unused stamps free. Look it up.



Leon V. Cass sells stamps by the pound cheaper than dirt. Read his advertisement.



If you would like to buy a nice collection, see

the inside of the back cover.



Collectors will do well to read J. C. Berger's ad.



When buying your next dry goods, give Moynan a trial.



If not a subscriber please send 10 cents with the enclosed subscription blank to us.



Please mention this paper when writing to advertisers.



Camera, Coin and Curio departments will be added to this paper next issue.

THE GEM.

I. L. BEACH,
Good FOREIGN Stamps For
SALE.

British colonies a
specialty.
507 W. FIRST AVE.

Sherman,
THE BARBER,
Who Uses Only Clean
Razors and Sharp Towels
REMEMBER THE NUMBER
1198 N. HIGH ST.

NOW OPEN AT
250 W. 5TH AVE.
MOYNAN'S

DRY GOODS
Citizen's Phone 5107

WELL! HOW WOULD YOU LIKE
SOME PHOTOGRAPHS OF
YOURSELF OR YOUR FAMILY?

Large Photos for \$1.50 per doz.

Smaller " " 1.00 " "

Gems (2 x 2 in.) .75 " "

Outdoor photography a specialty; houses, yards,
family groups, gardens, etc.

For particulars call on or write:

C. A. ABEL, 1285 FORSYTHE AVE.

STAMPS 48c PER POUND

1000 Mixed
Foreign Stamps
\$1.19
Good Lot.
Post Free

It has been several years since I first advertised stamps by the pound. Four years ago it took about a pound every other week to supply the demand, but now to sell a ton a month, would be no uncommon thing. The first stamps of this kind I sold at 75c per lb. and they did not begin to contain near as good a mixture as I now sell at 48c per lb., post free. It contains a mixture of U. S. and Foreign stamps and is duplicated by no dealer at any price. Full weight guaranteed.

ALSO CHEAP

Stamps sent on approval at 50 per cent discount	1000 hinges \$ 07	Have you the Chili Telegraph Set?	
Stamps and Collections (no matter how large or how small) purchased for spot cash.	500 Faultless stamp hinges 25		
	9000 Faultless stamp hinges 50		
All orders post free.	20000 Faultless stamp hinges 1.00		If not mention the fact when you are sending us an order and enclose a n extra 2c stamp for postage and we will send you one free.
	100 blank approval sheets 19		
	7 Blank approval books 10		
	25 Blk. app. books 25		
	50 " " " 45		
	100 " " " 85		
	Duplicate stamp album 05		
	100 var genuine for. stamps 07		
	500 Ditto 1.25		
	1000 " 3.75		
	2000 " 16.00		
	1000 mixed gen. for. stamps 19		
	Scotts 1903 Catalog 58		
	20 different stamp papers 10		
	100 different stamp papers 40		

S. E. MOISANT, KANKAKEE ILL.

BARGAINS IN STAMPS

I have bought out the entire stock of the Star Stamp Company and will be pleased to hear from all customers of the company. Read my offers for this month.

2 SOUVENIR POST CARDS	.03
50 VAR. FOREIGN	.03
100 " "	.10
50 " U. S.	.10
400 MIXED STAMPS	.10
5 GUATAMALA UNUSED	
1-10C 1902	.10
1000 OMEGA HINGES	.10
SET OF 4 UNUSED ENVELOPES	
OF HONDURAS	.10
THIS PAPER ONE YEAR	.10

POSTAGE EXTRA ON ALL ORDERS

Approval sheets at 50 per cent discount.

SEND REFERENCE.

J. C. BERGER,

1042 N. High St.

Columbus O.

ONE POUND

Of U. S. and foreign stamps, that have never been looked over for scarce varieties, sent post-paid

For 30 Cents.

FREE! 3 old Australian stamps free to every person sending for a selection of stamps on approval.

My approval sheets contain fine stamps marked at catalog prices and I allow my customers and agents 60 per cent discount. Give them a trial, state about what priced stamps you want, when writing. I have all kinds from 1c to \$10.00 each. Address

LEON V. CASS, NEW OXFORD, PA.

THE GEM,

1285 Forsythe Avenue,
Columbus, Ohio.

Dear Sir:- Enclosed find . . . cents in payment for
. . . years subscription to **THE GEM.**

M

OF

P.O.

THE CHANCE

OF YOUR LIFE TIME

TO GET A FINE COLLECTION OF
U.S. & FOREIGN STAMPS CHEAP

TO GET THIS COLLECTION OF STAMPS, numbering
over 200 varieties. This collection is mounted with
large pearl envelopes in the 10th and 20th century
albums. Will sell cheap. It has many fine U. S.
and hundreds more of foreign stamps, also
many duplicates.

Write me at once, before it is too late.

Reference required.

ROBT. H. ANDERSON,

469 Vermont St.

Columbus Ohio.

TRY AN ADVERTISEMENT

ONE POUND

OF U. S. and foreign stamps, that have never been looked over for scarce varieties, sent post paid

For 30 Cents.

FREE! 3 old Australian stamps free to every person sending for a selection of stamps on approval.

My approval sheets contain fine stamps marked at catalog prices and I allow my customers and agents 60 per cent discount. Give them a trial, state about what priced stamps you want, when writing. I have all kinds from 1c to \$10.00 each. Address

LEON V. CASS, NEW OXFORD, PA.

THE GEM

1255 Forsythe Avenue,

Columbus, Ohio.

Dear Sir: Enclosed find 30 cents in payment for
1 year's subscription to THE GEM.

M.....

Of.....

P.O.

THE CHANCE Of Your Life Time

TO GET A FINE COLLECTION OF
U. S. & FOREIGN STAMPS CHEAP

I offer for sale a collection of stamps, numbering over 2100 varieties. This collection is mounted with large peelable hinges in the 19th and 20th century albums. Will sell cheap. It has many nice U. S. and hundreds unused British Colonies etc. also many duplicates.

Write or see me soon before it is too late.

Reference required.

ROBT. H. ANDERSON,

460 Vermont Pl.,

Columbus Ohio.

TRY AN ADVERTISEMENT

 **FREE!** 

Do you get your money's worth? Do you buy as cheap as you can? You should. You do if you buy of me. To prove it write for stamps on approval giving reference and I will gladly send

FREE, 10 DIFFERENT STAMPS, ^{ALL} UNUSED


I want you and every other reader of THE GEM to have these.

Elmer Smith,

Colusa, Ill.

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Tags, Tickets, Blotters, Programmes, and
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Columbus Novelty Printing Co.

1285 FORSYTHE AVE.

COL. O.

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THE JOURNAL OF THE

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VOLUME 11 NUMBER 1

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