LOOKUS STUDY SPORTS

THE JUNIOR BRITISH WHIG

BIGGEST LITTLE PAPER IN THE WORLD

HUMOR PLAY

THE SHORT STORY, JR.

Dumm Kopf



LD SCHNEIDER lived all by himself in his little house up on the He was a

weave the most beautiful rag rugs. As well known as Schneider was head". And the name seemed to suit, two figures a sort of pinwheel, and that is what counts in deciphering

and say, "Dumm kopf!"

Schneider, for in spite of his grumpy manner, the weaver made funny little cookies that tasted so good, and he letters of the alphabet are made. A message written in one of these always had one for any of the younger Then, to get the next eight letters, angle codes is very mysterious in folks who stopped at his house. have so much work to do. House- the illustration. It gives the angles tration for this article? It will show wives were busy cleaning and could for the next five letters. not sew rags together; besides there "I." the first letter in this series, to form words. had been a great deal of rain and is made by using the basic square. part of the valley had been flooded. The other four letters are three-sided so that there was much trouble. One rainy night Schneider was sit- direction ting in his anug house. He decided to go down to the village for tobacco half the alphabet. To get the other

with floating trees and small build Suddenly Schneider missed his dog. He called and whistled, but the dog did not come. Then he heard a faint crying. By the flare of a match he saw his dog holding firmly to the coat of a little boy, perhaps three years old, in drenched, torn garments. Schneider, trembling, picked the boy up, wondering how he had come there. But whether he had been thrown on the bank from a sinking houseboat or had been abandoned, Schneider

But anyway, Schneider always says "You can't call that dog dumm



the village. know all about how they are made. them. They would have Of course the best way to study codes is to make one yourself so that you A dot is placed in each of the angles. can see how most codes are worked The very same angles are used, then,

Every code has some key sentence, numbers, or figure, depending on the sort of code it is. From this the his dog. Nobody knew the lean, lazy rest of the code is figured out. Here, old animal's name. Schneider called for instance, is an original code which him "dumm kopf." German for "block- was made up from a combination of

The pinwheel figure was formed by He would lie out in the middle of first making a cross and then running

From this first figure the first eight another figure is made. This is the appearance. Can you figure out the In the spring, old Schneider didn't crisscross, four-line figure shown in sentence which is given in the illus-

figures, each made in a different

We now have thirteen letters, or and called his dog to follow. The half from the first half is very easy. two set off near the river bank. In making many codes such a system which was dark and swirling, jammed is used. The first half of the letters

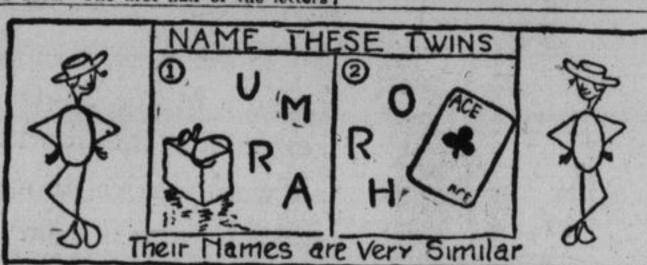
The amateur Sherlock Holmes knows | are made in a certain fashion and by that all good "deteckatives" can making some simple variation the read the most puzzling codes and other thirteen are formed directly from

In this case the dot system is used.

This is one of the more difficult codes, of course, and Sherlock Holmes would scratch his head in bewilderment when he first tried it. In writing it, care must be taken that the

the road, and the passing cars had two lines through the angles. Short to swerve around to keep from hitting lines are added at the end of each the figures are made. There is usually In trying to read a code that you him. Schneider would come to the line, all pointing in the same direction, the figures are made. There is usually door and call him to his dinner, and the dog would look at him with vather cant eyes without stirring. Then used for the letters of the code, start-letters are meant, study the code which some out the letters are meant, study the code what letters are meant when the code where the straight to the left and naming it A. sentence carefully to see what signs The boys and girls of the town The angles are then lettered the rest appear the oftenest. They are the liked the dog, even as they liked of the way around in clockwise fashout the order of the vowels and then of the consonants.

The ancient Egyptians carved messages in strange characters on slabs of stone. You can write as mysterious looking sentences in chalk on the back fence, if you follow the "Secret Code" articles.



CONSTIPATION, BAD HEADACHES, Faint, Dizzy Spells

Constipation is one of the commonest ills of mankind, and one too often allowed to go unlooked after, until some serious complication sets in A free motion of the bowels daily

should be the rule of everyone then there will be no constipation, sick or bilious spells, dizziness, heartburn, coated tongue, foul breath, sour stomach, floating specks before the eyes, jaundice, water brash, etc. Keep the bowels properly regulated by the use of

> MILBURN'S LAXA-LIVER PILLS

and you will enjoy the best of health. Mrs. Frank Willsey, R. R. 3, Belmont, Ont., writes:-"I have been troubled with constipation for nearly two years. I had bad headaches. faint and dizzy spells, and would bloat terribly. I was nearly discouraged for I had tried so many things that gave me no relief. My mother got me a vial of Milburn's Laxa-Liver Pills and told me to give them a fair trial. After I had taken one vial I felt much better and continued their use. Now I have no faint and dizzy spells and am gaining nicely. I would not be without Milburn's

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EAST AND

Lydia E. Pinkham's Vegetable Compound is Helping Sick Women to Health

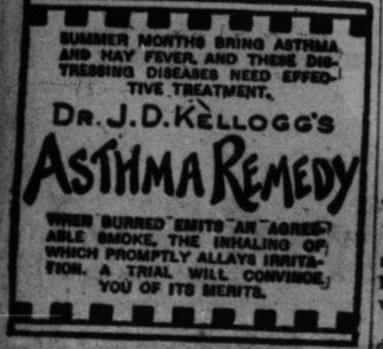
The two letters which follow elearly show the broad field covered by this well-known medicine. Women from every section—you know some in your own neighborhood—praise Lydia E. Pinkham's Vegetable Compound as a wonderful medicine for troubles women often have.

From Prince Edward's Island—East

Miscouche, P. E. I .-- "I had female troubles for two years. I always had a headache and a pain in my side and sometimes I felt so weak that I could not do my work. A friend advised me to take Lydia E. Pinkham's Vegetable Compound and I have taken six bottles of it. It has done me a lot of good and I am still taking it. I will tell my friends of your medicine and hope they will try it."-Mrs. CAMILLE DES ROCHE, Miscouche, P. E. I.

Saskatchewan-West Wadens, Sackatchewan .- "A friend in Rose Valley recommended Lydia

E. Pinkham's Vegetable Compound
to me and it has been a great help
to me. I recommend it and you can use this letter as a testimonial of you wish."—Mas. Perez Nozdin, Wadena, Saskatchewan.



INSTRUCTOR NEW, YORK Y. M.C.A. RADIO SCHOOL

ELECTRONS.

The vacuum tubes so familiar to the radio public are sometimes called "electron tubes." "radiotrons," "audiotrons" and "pliotrons." The two electrode tubes used solely as rectifiers are called quite often "kenotrons." The word "tron," which is a Greek word, appears very often, as does also the word "electron." It might be well. therefore, to know something about these electrons.

In the preceding article it was attempted to convey some idea of molecules and atoms. The molecule is the smallest possible particle of a substance which can be divided into some other substances. while the atom is the smallest particle of an elemental substance which cannot be so divided.

Now it has actually been found by noted scientists that even this infinitely small particle, the atom. of any elemental form of matter contains electricity. There really must be some reason why an atom of one substance differs from that of another. Why is the element from different from the element copper? Much brilliant work on the part of these scientists who nave investigated the "why" seems to confirm the theory that an atom is composed of a central nucleus which carries a positive charge of electricity and is surrounded by extremely minute particles of neg-ative electricity. In fact, an atom

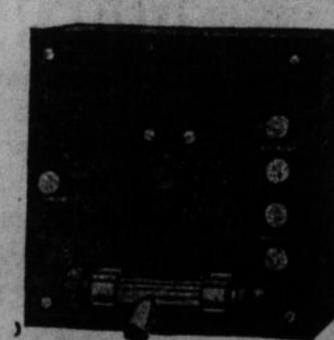
of hydrogen has pretty conclusivey proved to have 'ust one smallest particle of negative electricity connected with it. Ar oxygen atom has one positive nucleus and eight particles of negative electricity. These particles of negative electricity are called "electrons," and each is so extremely small that it would compare in size with one atom as a pin head does with a building about three hundred and fifty feet high and two hundred feet square. The atom has really peen measured, but not by observafon under even the most powerful microscope. The means of measurement cannot be described here. but suffice to say that they were very clever. It has been found. however, that electrons have no weight, since they absolutely cannot be acted upon by the force of gravity. They have a certain mass -that is, they can be measured. but they have no weight. They are merely the smallest possible por-

tions of negative electricity. Electrons may then be found in varying amounts in all substances. and all kinds of metter, therefore, pave electricity within them. Electricity seems to be essential to even the air we breathe and the food we eat. It does seem rather strange that we should eat electricity, even though the bright scholars in school may be said to "eat it up" in their studies.

APPARATUS NO DEVICES

By RALPH BROWN, RADIO ENGINEER A NEW VACUUM TUBE DETECTOR.

A vacuum tube has come upon the market which requires no "B" batteries or grid leaks. It is not suited for use in a regenerative circuit, but is a quite sensitive radio detector. In addition to sensitiveness the tube has the quality of selectivity, which can be se-



cured within itself by suitable adustment. The illustration shows the top of the detector unit upon which the tube is mounted. Directly beneath the tube, inside the cabinet, is a horseshoe magnet which is used to guide the electrons and concentrate them betube. The tube itself can be turned in its holder so that the electrons will be concentrated in the proper

locality within the tube. By ro-

to a maximum degree of sensitiveness, although it has inherent sensitiveness without this adjustment. The filament of the tube takes onehalf of an ampere to function properly, and four ordinary dry cells may be used for filament lighting. There is a filament rheostat in the center of the panel which may be used in the customary manner for regulation of the filament temperature. Reduction of the filament current tends to breaden, while an increase tends to make more crit-!cal the tuning qualities of the tube 'tself. Sensitiveness may also be increased by moving a pole piece, which is shown immediately below the tube. When tuning to any given wave length with a receiving set the tube and the pole piece should be adjusted. If the tuning adjustment of the receiver is changed it

tating the tube it can be adjusted

will be found best to "tune" or adjust the tube and pole piece, also.

The panel is of dull finished, insulating material and measures six inches square. The box or cabinet 's finished in mabogany. All exposed metal parts have a high, nickel plated finish, and the aprearance of the unit is very pleasing. One of the adventages claimed is the reception of signals without any annoying "squeal." The detector works well on either a direct or inductively coupled receives cir-

Will readers interested in these radio articles kindly communicate ith the editor by mail?

Three swarms of bees attacked home of Albert Brandon, near Man- \$2,997,000; decrease \$72,000.

on June 17th and 18th

Canadian Pacific railway earnings they get over 'em after they've had and soon killed a pony, at the farm for the week ending May 21st, 1922, three or four kids. You'll see her Four violent earthquakes occurred teaching Sunday school and helping of Rome. Population terrified.

MAIN STREET

The Story of Carol Kennicott By SINCLAIR LEWIS

He mumbled, ten minutes after and politics. Sure!"

nights to talk of universal transition; of Nat Hick's New One about the of European revolution, guild social- traveling salesman and the old maid ism, free verse. She had fancied that all the world was changing.

She found that it was not. they had been two years ago, what ington?" they had been twenty years ago, and They rustled and stared. what they would be for twenty years looked at them. Their curiosity seem to come. With the world a possible ed natural and unimportant. ing at the base of the mountain. A that some day," she yawned. later go back to the plowing.

over the seven new bungalows and it is less vigorous than youth, but the garages which Kennicott had that it is not needed by youth; that made to seem so important. Her in- Cling to Overtime tensest thought about them was, "Oh yes, they're all right I suppose." The change which she did heed was the erection of the schoolbuilding, with its cheerful brick walls, broad windows, gymnasium, classrooms for agriculture and cooking. It indicated Vida's triumph, and it stirred her to activity-any activity. She went to Vida with a jaunty, "I think shall work for you. And I'll begin at the bottom."

She did. She relieved the attendant at the rest-room for an hour a day. Her only innovation was painting the pine table a black and orange rather shocking to the Thanatopsis. She talked to the farmwives and scothed their babies and was happy. Thinking of them she did not think of the ugliness of Main Street as sho hurried along it to the chatter of the Jolly Seventeen.

She wore her eye-glasses on the street now. She was beginning to ask Kennicott and Juanita if she didn't look young, much younger than thirty-three. The eye-glasses pinched her nose. She considered spectacles. They would make her seem older, and hopelessly settled. No! She would not wear spectacles yet. But she tried on a pair at Kennicott's office. They really were much more comfortable.

Dr. Westlake, Sam Clark, Nat Hicks, and Del Snafflin were talking in Del's barber shop. "Well, I see Kennicott's wife is

taking a whirl at the rest-room, now." said Dr. Westlake. He emphasized the "now."

Del interrupted the shaving of Sam and, with his brush dripping lather, he observed jocularly:

"What'll she be up to next? They say she used to claim this burg wasn't swell enough for a city girl like her, and would we please tax ourselves about thirty-seven point nine and fix it all up pretty, with tidies on the hydrants and statoos on the lawns-"

Sam irritably blew the lather from his lips, with milky small bubbles, and snorted, "Be a good thing for most of us roughnecks if we did have a smart woman to tell us how to fix up the town. Just as much to her kicking as there was to Jim Blausser's gassing about factories. And you can bet Mrs. Kennicott is smart, even if she is skittish. Glad to see her back."

Dr. Westlake hastened to play safe. "So was I! So was I! She's got a nice way about her, and she knows a good deal about books or fiction anyway. Of course she's like all the rest of these women-not solidly founded - not scholarly - doesn't know anything about political economy-falls for every new idea that some windjamming crank put out. But she's a nice woman. She'll probably fix up the rest-room, and the rest-room is a fine thing, brings a lot of business to town. And now that Mrs. Kennicott's been away, maybe she's got over some of her fool ideas. Maybe she realizes that folks simply laugh at her when she tries to tell us how to run everything."

"Sure. She'll take a tumble to herself," said Nat Hicks, sucking in his lips judicially. "As far as I'm concerned, I'll say she's as nice a looking skirt as there is in town. But yow!" His tone electrified them. "Guess she'll miss that Swede Valborg that used to work for me! They was a pair! Talking poetry and moonshine! If they could of got away with it, they'd of been so darn lovey-

dovey_" Sam Clark interrupted, "Rats, they never even thought about making love. Just talking books and all that junk. I tell you, Carrie Kennicott's cated women all get funny ideas, but settled down one of these days, and Premier Poincaire will go to Lon- Saturday morning fifty miles north at sociables and behaving herself, land not trying to butt into business

she had entered the house, "Say, I've After only fifteen minutes of conkept your room for you like it was! ference on her stockings, her son, her I've kind of come round to your way separate bedroom, her music, her anof thinking. Don't see why folks clent interest in Guy Pollock, her need to get on each other's nerves probable salary in Washington, and just because they're friendly. Darned every remark which she was know if I haven't got so I like a little priv- to have made since her return, the acy and mulling things over by my-supreme council decided that they would permit Carol Kennicott to live, She had left a city which sat up and they passed on to a consideration

In Gopher Prairie the only ardent | For some reason which was totally new topics were prohibition, the mysterious to Carol, Maud Dyer seemplace in Minneapolis where you could ed to resent her return. At the Jolly get whiskey at thirteen dollars a Seventeen Maud giggled nervously. quart, recipes for home-made beer, "Well, I suppose you found war-work the "high cost of Hving," the presi- a good excuse to stay away and have dential election, Clark's new car, and a swell time. Juanita! Don't you not very novel forbles of Cy Bogart. think we ought to make Carrie tell us Their problems were exactly what about the officers she met in Wash-

She was unable to rhapsodize much tragedy of old age, which is not that sie's simoom of questioning.

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its love and prosy sageness, so imvolcano, the husbandmen were plow- "Oh yes, yes indeed, have to do portant a few years ago, so gladly offered now, are rejected with laughvolcano does occasionally drop a She no longer took Aunt Bessie ter. She divined that when Aunt river of lava on even the best of agri- Small seriously enough to struggle Bessie camegin with a jar of wildculturists, to their astonishment and for independence. She saw that Aunt grape jelly she was waiting in hope considerable injury, but their cousins Bessie did not mean to intrude; that of being asked for the recipe. After inherit the farms and a year or two she wanted to do things for all the that she could be irritated but she Kennicotts. Thus Carol hit upon the could not be depressed by Aunt Bes-(To be continued.)

On Canadian Lines Montreal, May 29 .- The proposed substitution by the Grand Trunk the official round table negotiations Railway company of straight time for on working conditions, which begin overtime for railroad employees out- Tuesday morning, according to stateside the running trades and shop me- ments made by union executives Satchanics will be strongly opposed at lurday.

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