

What the World Is Doing

As Seen by Popular Mechanics Magazine.

Deaf Hear by Touch on Telephone

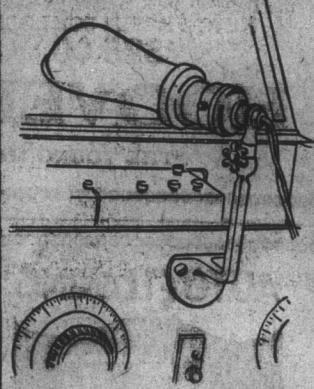
With a telephone whose receiver transmits vibrations to the sensitive palm of the hand, it is believed deaf persons can be greatly aided in reading spoken messages.



There is believed to be almost pure hydrogen, the gas used in balloons. Hydrogen forms but one ten-thousandth part of the earth's atmosphere at the ground, but being very light, its density diminishes so slowly with increasing height as to outlast the heavier nitrogen and oxygen.

Portable Lamp Illuminates Radio Set

A portable lamp that can be quickly attached to any radio set, eliminating all shadows and glare, is now available. Exact dial settings are somewhat difficult with ordinary room lighting, and this little lamp is therefore a welcome addition to the modern radio receiver. The ball joint affords easy adjustment and permits the operator to turn the lamp so



ages through the sense of touch. Words spoken into the microphone of the instrument set up a series of pulsations in the delicate receiver that correspond to the sounds of the voice. These result in a sort of code which the "hearer" may easily learn. Though surrounded by loud noises and other heavy vibrations, the person, while lightly gripping the receiver, can readily distinguish words and sentences coming over the telephone without interference from disturbances and sounds originating on the outside.

Speed of Shooting Stars Estimated at Forty-Five Miles a Second

Speeds as high as forty-five miles a second are attained by meteors, the "shooting stars" which are drawn into the earth's atmosphere and burn up in a final brief blaze of glory, according to Prof. C. M. Sparrow, of the University of Virginia. The meteors, he says, are small bodies which, entering the upper atmosphere of the earth, are heated to incandescence and remain visible at night until they are completely burned up, or fall to earth. The heights at which they appear lie between fifty and a hundred miles above the earth. At that altitude the atmos-



A Homemade Device for Covering Up Seeds

Every home gardener has found that the apparently simple task of covering up seeds is really rather troublesome. A simple device, which will do this quickly and thoroughly, is shown in the accompanying illustration. All that is necessary is to set the device over the seeds and pull it backward. It consists of two wings of galvanized iron or heavy tin, about 3 in. wide at one end and 3 in. at the other, and 12 in. long. These are fastened together with an iron band, 6 in. long, bolted to the wings, as shown, about 3 in. from the narrow end. The parts are held together with screw bolts. The whole frame, which holds the blades, can be made of one long piece of flat iron, heated and bent to the shape shown. An ordinary broomstick can be used as a handle.

Filing without Scratching

When filing, small particles of metal adhering to the file cause scratches on the work. This trouble can be prevented by chalking the file after cleaning it. Powdered chalk may be used and rubbed on with the fingers or a large piece of lumps chalk rubbed over the file.

ELECTROCUTIONS MAY CALL FOR NEW RULING

Governor May Be Asked to Bar Reporters and Relatives.

Raleigh, April 20.—Governor McLean's return this week will place before him some new aspects of the law limiting attendance upon electrocutions at the state prison and he may be asked to revise the rule so that relatives of individuals who have suffered violence at the hands of the condemned men, and the newspaper men who write up the execution may be barred.

Assistant Attorney General Nash has objected to the attendance of these relatives and a good deal has been said in the press about the re-organization of the newspaper propaganda against the death penalty. Governor Morrison believed in capital punishment but as his administration wore on he seemed to weaken. Governor McLean is an advocate, but he favors it in only the most extreme cases and he does not impress his interviewer as deeply persuaded as to its efficacy or its righteousness. Chief Justice Stacy is opposed to it. Associate Justice Connor, like his noble father, Henry G. Connor, is against it. Justice William R. Allen has lost his belief in it. Justices Clarkson and Adams hold it and Justice Varner is not committed.

Sentiment against capital punishment has grown rankly and the starlets in the papers help. For a while the public may believe in it; it does not like to read that relatives of victims outraged or murdered were at the prison looking on the death of the criminal and expressing satisfaction. It is recalled that when the 10 women were present, the young woman assaulted and her mother-in-law were there and that both were highly upset.

It was this story printed in the Paris edition of the New York Herald which made E. B. Ficklen, of the prison board, so embarrassed while he was in gay Paris. The French, the Galatians of present performance. Mr. Ficklen came home and protested against publication of these stories. He had a bill introduced by his senator and while E. B. Jeffress, of the Greensboro Daily News, was in Raleigh on business the promoters of the Ficklen bill sought to tie him up for his paper. The bill was beaten and Mr. Ficklen further humiliated. It seemed bad enough to walk down the Clamps Elysee and have every little French cuss holler out: "There goes Mr. Ficklen from North Carolina where the women attend the electrocutions." The effort to put down publicity failed. Even the offering of Miss Alexander at the late session of the general assembly prohibiting the publication of a woman's name in connection with one of these felonies committed against her, was defeated. The public seems to like that sort of reading.

Similarly it seems to relish the accounts of executions. But they are not written to please the public. Most of the newspaper fellows are dead against this business and they frankly seek to make

the reading folks see what electrocutions mean.

Printing the "satisfaction" of relatives helps. Mr. Nash evidently believes in capital punishment, but he does not care for it as the sport of hoodlums or haters. But for Governor McLean's order a few days ago letting the newspapers in, only one of them would have had a neck at the Stewart's taking off. The law seems to be against admitting the press as one of the accepted classes.

The governor is most likely to get a request to bar the boys. And since there must be two electrocutions this week, one of which will certainly have representatives of the family whose members were murdered, a new rule will most likely be made. Mr. Nash yesterday told a representative of the News and Observer that in execution of capital felons "the state is engaged in one of its most solemn functions. It does not execute them for revenge nor for the satisfaction of relatives of the deceased. As soon as it, through its officers, permits these relatives to witness the execution, it is itself degrading this solemn duty to the level of personal spite."

Mr. Nash had ruled so that some of the kinsmen of the murdered officers would not be admitted to the Stewart execution, but several others were present. They were "satiated." The assistant attorney general thinks an executive order or a legislative act can bar the relatives of the execution of the prisoners.

CONCORD PRESBYTERIAL AUXILIARY TO CONVENE

Meeting Will Be Held At Marion Wednesday and Thursday. Special Speakers. Marion, April 20.—Concord Presbyterian auxiliary will meet here Wednesday afternoon at 3 o'clock, the sessions to continue through Thursday, and will be held at the Presbyterian church of which Rev. J. C. Storey, is pastor. Mrs. Z. V. Turington, of Mooresville, president of the auxiliary, will preside.

Speakers for Wednesday evening include Mrs. W. L. Wilson, synodical president, and Mrs. Smithheart, from Korea, Thursday evening Rev. G. V. Tadlock, superintendent of mountain missions in Kentucky, will be the principal speaker. The day programs will be featured by the routine business of the auxiliary and an educational hour, with talks by representatives of Mitchell college at Statesville and Peace Institute at Raleigh, and a talk by J. B. Johnston, superintendent of the Indian Springs orphanage.

A conference on the work of young people will be held by Mrs. C. G. W. Taylor, of Mooresville.

The 40 auxiliaries in the Concord presbytery are expected to be represented at the meeting.

The Union Printers' Home at Colorado Springs, maintained by the International Typographical Union, was the first institution of its kind to be established by any American labor organization.

Prof. R. L. Weaver is Chosen Rutherford Acting President

Hickory, April 20.—Prof. R. L. Weaver has been elected chairman of Rutherford college and will act as president of that institution following the resignation of Rev. M. T. Hinshaw Saturday, according to a statement made this afternoon by Rev. H. H. Jordan, chairman of board of trustees. The regular meeting of the board will be held in May and a permanent president will be elected at that time, said the statement. Mr. Weaver has been an instructor in the college for some time.

REMEMBER BENNY ADS ARE CASH

Advertisement for Benny Ads, a type of shoe.

Advertisement for Benny Ads, a type of shoe.



The Florsheim Shoe

AFTER your first pair you will want Florsheims permanently—they meet every requirement—they stand out above all others in smart style—comfort—and economy.

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Every family has some photographs that they want reproduced. We make a specialty of oil paintings and miniatures. Orders taken for copying, tinting, and enlarging.

For This Week Only, MISS FRANCES WILSON

representing KNAFL & BRO. STUDIO, of Knoxville, Tenn., will be at the store of KIDD-FRIS MUSIC & STATIONERY CO.

Bring in those old tin-types, daguerotypes, and photographs of dear old grandmother, grand-dad, and other loved ones and have them re-produced into portraits that you'll be proud of.

AMERICAN MARINES ARE LANDED IN HONDURAS

Landing Made at the Request of American Consul G. F. Waller. Washington, April 20.—A detachment of 105 officers and men from the United States cruiser Denver was landed today at Ceiba, Honduras, to protect foreign lives and property.

The landing was made by order of Captain W. N. Jeffers, commanding the Denver, at the request of George P. Waller, American consul and local authorities of the port who joined with the consul in asking protection of the navy forces.

The revolutionary movement in Honduras, reported to be headed again by General Gregorio Ferrera, defeated candidate for the presidency of that country and leader of several revolutionary juntas in the past, already has been marked by fighting in the vicinity of Ceiba and disorders along the Salvadoran border.

Local disorders in Ceiba also have been reported, but advices so far received from American agents in Honduras have failed to mention the capture of Cotepeque and the advance of rebels toward Comayagua, near Tegucigalpa, capital of Honduras, as reported today by Nicaragua sources.

Tornadoes.

Youth's Companion. The tornado that killed so many people and destroyed so much property in Missouri, Illinois and Indiana last month was a very typical example of a kind of storm that is not uncommon, especially in the spring. It begins as a rising, whirling current of air over a part of the earth that has been warmed by the heat of the advancing sun. As this spiral current of warm air, or cyclone, moves upward and eastward, according to the laws that govern it, it meets the very much colder air that is found at higher altitudes and more northern latitudes. The contact of the opposing currents increases the whirling motion of the growing storm, which rushes on, now high in air, now dipping toward the earth, until it has spent its force by spreading its circular movement over a very wide area.

The tornadoes that do so much damage are not the real cyclone. They are the fringes of the storm itself; violent uprushes of air that occur along the edge of the cyclone, and that are caused by the exceedingly low pressure—relatively speaking, almost a vacuum—that exists at the heart of the storm far above the earth. You have seen the little whirlwinds of dust that sometimes play along the surface of a country-road on a hot summer's day. The great destructive tornadoes are the result of the same forces, but immensely magnified brothers of the "little" dust whirl.

Their destructive power is almost explosive in character. The core of one of these tornadoes is so nearly a vacuum that the heavier air within the houses literally rushes out to fill the space, tearing out the walls of the buildings as it does so. No frame house can stand the onset of such a whirling undamaged, but it will have a better chance of riding out the storm if all the windows are thrown open.

Last month's storm, so our weather men tell us, began somewhere over lower California. It roared across our Southwest too high above the earth to do much damage, dipped downward as it crossed Oklahoma, and came near enough to the surface to set up a series of tornadoes along its southern edge as it approached the Mississippi. Let us hope it will be a long time before a similar tempest drags its train or tornadoes through so thickly settled a countryside in so murderous a fashion.

Rules For Success With Alfalfa.

- 1. Rich land, well drained. If you haven't rich land, make some rich with manure, green manure or phosphorus under and fertilizers.
- 2. Thorough preparation of the land. Break the land deep from one to six months before seeding. With disk and drag harrows pulverize the surface just before seeding.
- 3. Phosphate. Apply 400 or 500 pounds of acid phosphate broadcast just ahead of the final disk or harrowing.
- 4. Lime. Unless the soil already contains enough lime more must be applied. The average soil needs two tons of ground limestone or one ton of burned lime. Apply the lime broadcast before the final disk.
- 5. Inoculation. Unless alfalfa has been grown successfully on the land the seed must be inoculated. Secure soil from a successful alfalfa field. Mix equal quantities of soil and seed and sow the mixture. If inoculated soil is not available artificial culture can be secured from the United States Department of Agriculture by application to the county agent.
- 6. Spring seeding should be done in March, fall seeding in September.
- 7. Sow 20 pounds of seed per acre.
- 8. Use the best grade of seed that can be had of the variety known as common alfalfa.
- 9. Sow alfalfa alone. Do not use a nurse crop.
- 10. Cover the seed very lightly with light section harrow, weeder, or with a brush.

Peach Trees Pay Well.

Wilmington, April 20.—Because he pruned, sprayed and fertilized 1,200 peach trees which he found on the farm when he bought a place in Middle Sound about a year ago, C. N. Dunn started this year he would not take \$1,000 for the trees now. He was planning to pull them out to make room for other crops but was advised by County Agent J. P. Herring to give peach growing a trial. Mr. Herring reports that 25 acres will be devoted to a peach demonstration at the New Hanover County Fair this year.

H. B. Varner Seriously Ill.

Lexington, April 20.—H. B. Varner, of the Lexington Dispatch, continues seriously ill at the local hospital with pneumonia, but his condition today was regarded as favorable and his recovery is expected. Mr. Varner suffered a collapse early last week while on his way to Charlotte on a business trip. Last Thursday he was removed to the hospital and by yesterday pneumonia had developed.

The first time that a dual track and field met was scheduled between Princeton and Yale was in 1896 but the meets did not become annual until 1923. Since then Ells have won the majority of the victories.

McFADDEN GETS 2 TO 6 YEARS

Shot and Killed Young Wesley Simpson While Chasing Speeding Auto. Rock Hill, S. C., April 18.—R. Morris McFadden, motorcycle officer of the Rock Hill police department, convicted last night of manslaughter in connection with the fatal shooting late in February of Wesley Simpson, of Chester, and late this afternoon sentenced by Circuit Judge R. W. Meminger to serve from three to six years, was released on bond in the sum of \$5,000, arranged here at 6:30 o'clock, pending the outcome of his appeal to the supreme court.

McFadden was smiling bravely and expressed hope of securing a new trial when he arrived here in custody of a deputy sheriff. He was visibly disappointed over the outcome of his trial, however.

"I don't mind for myself," he said. "If the court says so, I can easily serve my time and come back among my friends without shame. I didn't do anything dishonest. It's my wife and babies that worry me now."

His wife has been practical an invalid for some time, and he has several children.

NoBody Home. "Nobody Home" we dubbed poor Joe when we all went to school. He was a dumbbell without a doubt. But he was a dancing fool. There was no sense in the things he'd do.

Oh, he was a crazy kid! But when the orchestra started, son. His pedals would talk for him. That was many a year ago. And now we are all grown men. Every once in a long, long while Joe's getting back home again. Then we turn out to welcome him. For he is a famous character.

"Nobody Home"—and his clever feet. Have put the old town on the map.

He Wants His Smoke More Than His Wife. Cambridge, Mass., April 18.—Captain Arthur Marshall of engine company 4, likes to smoke; but when he was off duty and wanted to smoke he had to duck down in cellar. His wife forbade him to smoke his pipe in the house proper because smoke discolored the curtains and interfered with her health he declared in court.

So Captain Marshall decided he would seek a divorce and filed suit in Middlesex Superior Court charging his wife, Arianna, with desertion. Mrs. Marshall has filed a cross-suit asking separation on the grounds of cruelty.

Spring Time Is Straw Hat Time

I have just received additional hat blocks and flanges of the latest shapes and styles and can clean and re-block your panama, straw, bankok, leghorn and felt hats. New inside and outside band furnished when requested. Now is the time for all good

M. R. Pounds

Dry Cleaning and Tailoring

"ACHED & ACHED"

Lady Says Her Back "Hurt Night and Day"—Least Noise Upset Her. Better After Taking Cardui.

Winfield, Texas.—"My back hurt night and day," says Mrs. C. L. Eason, of R. F. D. 1, this place. "I ached and ached until I could hardly go. I felt weak and did not feel like doing anything. My work was a great burden to me. I just hated to do up the dishes, even. I was no-account and extremely nervous."

"My mother had taken Cardui and she thought it would do me good, so she told me to take it. My husband got me a bottle and I began on it. I began to improve at once. It was such a help that I continued it until after the baby's birth."

"I took eight bottles and I can certainly say that it helped me. It is a fine tonic. It built me up and seemed to strengthen me. I grew less nervous and began to sleep better."

"I can certainly recommend Cardui to expectant mothers, for to me it was a wonderful help. In every way I felt better after taking it and I think it is a splendid medicine."

Cardui is purely vegetable, and contains no harmful drugs. For sale everywhere. NO-162



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REV. A. L. GREENE AND FAMILY

Rev. A. L. Greene, traveling evangelist of the Nazarene Church for the past thirty years, through the States of Tennessee, Alabama, Kentucky and the Carolinas, where he is known and loved by thousands of people from all walks of life, lends his name to further the cause of HERB JUICE, the medicine that has proved of such great benefit to him and his family.

"Before I began to use this medicine," said Rev. Mr. Greene, "I was just out of shape all over, stomach was so upset I could not eat and never felt like doing a thing. I had such a strange numb feeling in my legs all the time which I was told was caused from poor circulation. I was so badly constipated and so nervous that I could not sleep at night. I have tried a lot of different kinds of medicines for the trouble, but I can honestly say that I never found anything to do me any good until I started using the HERB JUICE. It is simply wonderful the way this medicine has brought back my health. I feel as though I had never been sick a day in my life, bowels act regularly, no more poor circulation, my stomach is in perfect order and I can eat and enjoy three good meals a day. Not only has HERB JUICE helped me but it has also restored my wife and daughter to good health; they were also bothered a great deal with constipation which had upset their entire systems. Today they look better than they have for years and like myself, give HERB JUICE credit for restoring their health. I have never given a statement of this kind before, but I feel as though I would be doing my fellow men an injustice if I did not tell them about HERB JUICE."

The HERB JUICE expert has established headquarters in Concord at Gibson Drug Co., and will gladly tell you without any cost just what benefit you can obtain from HERB JUICE. Also sold in Knoxville at F. L. Smith Drug Co.

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A Splendid Showing of Boys' four-piece Suits. New patterns and quality that will give real Service.

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