

### USED GROWING TREES AS TOWERS FOR WIRELESS

Major General Squier Tells of String of Stations Which Read Messages From Principal European Points.

Washington, April 25.—Discovery that every tree is a potential wireless tower was announced today by Major General Squier, chief signal officer of the army, revealing another war secret and telling the story of how the American army with a string of stations using tree tops as antennae and messages from ships at sea and the principal European radio stations.

General Squier made his disclosure in a paper read before the Physical Society of America, meeting here at the United States bureau of standards. Afterward he took the scientists out into the woods near the bureau and demonstrated a portable field laboratory erected there for experiments in development of the discovery. He showed how nature's wireless tower was nothing more than a tall tree, preferably eucalyptus, with a small wire netting spread below and an insulated wire hanging from a spike driven near the top.

Experiments in 1904. The paper, which discussed the phenomenon in technical detail, described how the general began experiments in 1904 with a view to using growing trees as antennae, his attention having been attracted to the subject by the discovery during army maneuvers at Camp Atascadero, Cal., that telegraph and telephone buzzers inoperative with ordinary grounding because of the dry season and unusual character of the soil, became operative when connected with the trunk or roots of a tree.

Gives Perfect Results. Like the underground wireless developed for the navy by James H. Rogers, the tree-top radio has been used with perfect results in receiving, and also has been used successfully for transmission over short distances. Radio telephonic messages have been received through trees, transmitted by them into Washington and there transferred to the wire system.

From the moment an acorn is planted in fertile soil," said General Squier, "it becomes a 'detector' and a 'receiver' of electromagnetic waves and the marvelous properties of this receiver, through agencies at present entirely unknown to us, are such as to vitalize the acorn and to produce in time the giant oak. In the power of multiplying plant cells it may, indeed, be called an incomparable amplifier.

Cells As Absorbers. From this angle of view we may consider that trees have been pieces of electrical apparatus from their beginning, and with their manifold chains of living cells are absorbers, conductors and radiators of the long electromagnetic waves as used in the radio art.

For our present purpose we may consider, therefore, a growing tree as a highly organized piece of living earth to be used in the same manner as we now use the earth as a universal conductor for telephony and telegraphy and other electrical purposes.

Pacific Liner Commander Dares Death Among Sharks. San Francisco, April 25.—Capt. J. H. Trask, commander of the Pacific liner Sonoma, dared death by diving among sharks to repair the propeller recently. Some 200 miles from Sydney, Australia, the starboard crank shaft began acting up. Being the best swimmer on board, the commander donned a diving suit and remained under water two minutes. In the meantime the crew fished for sharks and caught one weighing 1,200 pounds. It had eight double rows of teeth. The shark was hoisted to the deck by tackle and killed with bullets.

The Sailor's Uniform. Why does the sailor wear such funny trousers, flaring and flapping at the bottom? Why, when exposed to sea breezes, does he wear such a wide-open neck and flapping wide collar? Why does he always wear a big handkerchief about his neck and such a funny round blue flat hat?

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### Colored Jazz Artist Is Now America's Foremost Businessman in Old London

Jazz-Mad Blightly Eagerly Seeks Services of Dr. W. H. Dorsey of "Li'l Old New Yawk" and Has Eight Slip-Horn Tickling Assistants Each Making \$25 a Day With Meals 'N Ev'rything Thrown In.

(Universal Service Staff Correspondent.) London, April 25.—His name is W. H. Dorsey. He lives in a handsome flat in an exclusive west end section of London where, according to his business cards, he can be found at certain hours prepared to teach jazz music on the piano. Every night except Sunday he leads the jazz band of eight pieces at one of London's most famous jazz palaces. Mr. Dorsey is colored and from New York. He comes pretty near being America's most representative business man in London this minute. For London is jazz mad and Dorsey is the doctor.

"I've come over here to show these London people the real jazz music," said the impresario of coloratura noise. "There are a lot of cheap imitators who speak with the broad 'a' and who don't know anything more about our real American jazz music than a rabbit. To hear jazz music played by an English trap artist is like witnessing a performance of Ibsen by the Georgia minstrels.

Nobody but the American colored men knows how to put the punch and the rhythm in jazz because nobody dances like the American colored man. These English imitators are too stiff and formal; they don't know how to let themselves go in their music; they're so afraid

somebody's looking at them. The Englishman at the traps is a scream; he's straining his dignity every minute and knows it.

"Yes, I will say there's a very profitable field here for real jazz artists—while the present dancing craze lasts. Yes sir, the gravy's good.

"What's the average earnings of one of my boys you ask? Well, say \$25 for a working day—with meals. Yes sir with the English style eats thrown in. That's not bad for a boy who knows the slip-horn or can tinkle the cowbell. You see it's this way—first in the afternoon there's the dansante from 4 o'clock to 6:45 at the Grafton galleries or some place like that. Then there's the dinner dance at the Criterion from 7 to 10 and most likely as not a private engagement somewhere any hour up to 4 in the morning.

The rate for a real high class jazz combination like mine, say, with eight pieces and the trap artist getting sound out of anything from a cuckoo clock to a ground gourd, is 16 guineas—that's \$80—for an afternoon dance and 20 guineas or \$100 for the night dance. With the dinner and the tea thrown in—yes, sir, thrown in.

"Of course, we're artists and artists command high prices, you know."

NEGRO BANDITS WHO ATTACK MAN ARE DISARMED. Albert Ayer Battles With Three Colored Highwaymen; Wrenches Weapons From Them.

Three negro hold-up men were put to flight by Albert Ayer, 1145 North Eighteenth, Thursday night, when they attempted to rob him at the point of a revolver, and after one of the highwaymen slashed his coat with a razor.

Ayer told police that he was walking in the vicinity of Twenty-second and Seward streets shortly after midnight when he was accosted by three negroes. One of them pointed a revolver at him and commanded him to throw up his hands. Ayer grappled with the man and wrenched the revolver from his grasp. He pointed the weapon at one of the men and pulled the trigger. It missed fire. Later it was discovered the revolver was not loaded.

Slashed with Razor. The other two negroes closed in on their intended victim, one of them slashing his coat with a razor and the other struck him on the head with a blunt instrument. Ayer continued to battle with the men, using the blunt end of the revolver as a weapon. The negroes were bested when they broke and ran.

Miss Emily Arrel, 2412 St. Mary's avenue, reported to the police that a lone negro seized her purse Thursday night while she was walking alone on the street in the neighborhood of her home. She declared the pocketbook contained \$25. Miss Arrel said the negro leaped from the mouth of an alley, grabbed the purse, which she carried on her arm and disappeared in the darkness of the alley.

Story of 10-Year Old Feud in Family Related in Court. Wm. W. Satterlee at Trial of \$15,000 Damage Suit Against His Sister, Mrs. Eliza Roth, Tells How He Was Shot by Her When He Came to Demand Custody of His Son.

One phase of a 10-year family feud for the possession of 13-year-old Harold Satterlee was fought in District Judge Leslie's court yesterday, where William W. Satterlee is suing his sister, Mrs. Eliza Roth, for \$15,000 damages "for shooting him."

### "I Want to See the Poilus," Declares Clemenceau

Premier Clemenceau of France made many visits to the battle front while head of the government. General Gordonnier, writing of one of those visits in the Paris magazine, Je Sais Tout, quotes a dialogue between the premier and a division commander.

"I suggest, M. Premier, that we go to the heights of Sampigny; from there we can see the entire bend of the Meuse, a little of Saint Mihiel and the Forest of Ailly."

"General," the premier interrupted, "I am not a tourist; I am not looking for a fine view. I want to see the poilus out there where they are close to the boches."

"Well, it's an easy matter in this sector to get a close view of the boches. For six kilometers our trenches are within a grenade throw of the German trenches, and at Post 8 only four meters separate the lines."

"All right. I want to go to Post 8."

One-Minute Store Talk. "Better Clothes" is the slogan of the new era of Peace and Prosperity into which the world is entering.

The war has given thousands of men and young men a chance to do a little thinking about their own affairs. They've looked around and have seen a wonderful world full of opportunity and everywhere they see the advantages, the comfort, the prestige of Better Clothes.

They help a man own more Victory Notes.

CORN CROP OF U.S. THREATENED BY NEW PARASITE. European Corn Borer Brought Into Country in Foreign Shipments; Great Damage Already Done in East.

Philadelphia, April 25.—The corn crop of the United States is threatened.

This statement was made today by Dr. L. C. Howard, chief of the bureau of entomology, United States Department of Agriculture, Washington, who spoke before the American Philosophical society at the second meeting of a three-day session here.

Dr. Howard said the European corn borer, a comparatively new parasite, introduced into this country from foreign shipments, has obtained a strong foothold in New England and New York. Great damage has already been done.

"If this borer reaches the corn fields of the west," he said, "I don't see what is going to save them. And there seems to be but slight hope of our being able to eradicate the pest."

Army Orders. Washington, April 25.—(Special Telegram.)—First Lieut. Forrest Haller, veterinary corps, now at base hospital, Fort Riley, Kas., will proceed, accompanied by the necessary attendants, to Fort Des Moines.

Maj. Kenneth Bymer Turner, medical corps, now a patient at Fort D. A. Russell, Wyoming, is transferred to hospital, Denver, Colo., for further observation and treatment.

First Lieut. Frank Gilbert, infantry, now at hospital, Camp Dodge, is transferred to general hospital No. 40, St. Louis, Mo., for further observation and treatment.

Maj. Chester Harlan Clark, medical corps, is relieved from duty at Rock Island Arsenal, Rock Island, Ill., and will proceed to Camp Dodge.

First Lieut. Ben H. Waska, field artillery, is relieved from his present duties at Camp Knox, Kentucky, and will proceed to Fort D. A. Russell, Wyoming.

JOHN A. SWANSON, Pres. The Nebraska WM. L. HOLZMAN, Treas. SHOP EARLY—STORE CLOSING AT 6:30 P. M. SATURDAY.

## Every New Post-War Fashion in Clothes for Men

LIKE a landslide, a demand has descended upon Omaha for new Spring clothes expressive of the new period and Greater Nebraska is wonderfully prepared. It's not an accident—this tremendous preparation. Again and again this store has anticipated your requirements. But today's demonstration puts new emphasis upon the thoroughness of this store's equipment to serve men.

In five minutes you can see here what it has taken five months of tireless energy to produce

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Featuring the post-war creations of Fashion Park, Hickey-Freeman, Society Brand, Adler-Rochester and many other pre-eminent clothes makers.

YOUNG men's ultra smart waist seam models in single breasted, double breasted, combination effects and English sacks of rare distinctiveness. Wonderfully attractive. Specially designed weaves fresh from the looms, at—

\$20 to \$50

YOUNGER Young Men's Suits—Here's Distinctively the Younger Young Men's store. Special styles developed on new lines for the "new Youth of America." Silk treated effects, new satin piped collar, cuffs, pockets, "Harness Stitched." New lapels, new pockets and dashing colors. \$15 to \$45

Top Coats In Great Demand. Your better advantage choosing from our very broad showing of new styles. Semi-form fitting Welt waisters, Box Coats, Balmaccans, motor coats, knitted weaves, coverts, novelties. \$15 to \$45

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Hat styles with the snap and pep that young men and younger men demand; styles that all men are justified in wearing. Lively new shapes, cheerful colors. The west's largest showing of finest Hat makers Spring production.

John B. Stetson Hats. "C & K" Quality Hats. Borsalino Italian Hats. Nebraska Superior Hats. Nebraska Special Hats.

Silk Shirts. A wonderful new exposition of smart styles. Every wanted weave in a thousand and one beautiful patterns. Peau de crepe, broadcloth silk, pussy willow, tub silk and crepe de chine silk shirts, at— \$5 to \$12. Madras and Neglige Shirts, \$1.50 to \$4. Neckwear, Largest Showing of Springtime styles 50c to \$3.00. Buy Underwear Now. Prepare for Warm Summer Days. Union Suits, \$1.00 to \$7.00. Spring motor gloves, gauntlets, silk, fabric, kid gloves.

Oxfords Change a Man's Summer Existence. From America's greatest men's footwear makers we're showing all the new styles in tan, brown, black leather, palm beach and white. \$3 to \$12. NEBRASKA SPECIAL SHOES AND OXFORDS, \$4 TO \$7.50. Arnold Glove Grip shoes and oxfords \$9 to \$12.

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