Man-Made Rain Still A Problem To Worry Science; Tried Often

Experiments Since Dawn Of His- drought could be broken if two sets tory Failed To Provide Re. lief From Drought.

(Merriett Franken in N. Y. Times) ed kaolin, hoping thereby to preparently cannot discover how to cloud was made a medicine man. achieve this feat of nature.

when man is able to imitate na- tribe. ture's enormous heating and condensing machine. In the present

this is not yet possible. It is now generally recognized air. Man has attempted to condense | dances practiced by their this moisture by using liquid air, tors. ionized gases, electrified sand and chemicals. Some idea of the vast-

failed, by concussion, to bring rain, ed rain. so has nature failed. No volcanic In 1880 "General" Daniel Ruggles normal amount of rainfall.

Rain-making has long been a cient belief of their tribe held that causes and not because of Dysen-

Announcing

suits your taste and pocketbook!

water Kent for every pocketbook!

wanted! See it here today! Have it tonight!

Salon Showing

The only radio manufacturer

who lets us offer you a wide

selection of cabinets!

PEN house this week in our store! Special Salon Showing of latest Atwater Kent Screen-Grid models in widest

variety of charming cabinets! Choose the one of many that

Designed by America's foremost makers of furniture! Besuti-

ful woods, lowboy or highboy, simple or elaborate, swinging doors or sliding doors or without doors! For a small apartment

or a mansion! Prices vary with design-there's a cabinet At-

Each type is authentic. Each esbinet is built to bring out in

true tone the surging power of Atwater Kent Screen-Grid radio.
Only Atwater Kent lets us offer you this freedom of choice—

this breadth of design—this glamorous array of exquisite woods

to suit your taste. Imagine the very cabinet you have always

into a river.

Since time immemorial man has American Indians had its rain-maktried without success to make rain. ing superstitions. Many of them had the physical causes of rain, Gath-In Hongkong recently aviators fly- religious dances and all of them ing in the clouds dropped powder- called upon their medicine men to produce the rain. Some tribes shot cipitate the moisture in the clouds. arrows toward the clouds from high Gathman was said to have shot liquid It had no effect and a long stand- while others had their braves shoot carbonic acid 600 feet into the air. ing drought remained unbroken arrows toward the clouds fro mhigh contending that clouds formed as Man today, despite his great ad- places. The lucky one whose arrow a result. vances in scientific knowledge, ap- was thought to have pierced the

The Choctaw tribe believed that Scientists' theories of how to if a fish were tied to one of their make rain have changed radically braves who then stayed in water since the time when ancient magi- for two weeks, rain would follow. cians muttered incantations and On the other hand, they thought brewed their concoctions. Then it that excessive downpours could be was thought that magic could stopped by drying sand over a fire he was twice successful—both times bring about rain. Later it was be- in a frying pan. Particularly clever lieved clouds must be shattered be- medicine men who observed signs fore they would deliver their mois- of rain in skies probably went and breaking the contact he stopture. Scientists today assert that through their rites until the rain ped the rain. rain can only be produced at will fell, and were then honored by the

ancient tribal rites are practiced. range of scientific accomplishment | Throughout India, Pacific Ocean islands and Africa sacrifices to rain gods are made. According to the that nature produces the necessary American Museum of Natural Hiscold for condensing the cloud mois- tory, Indians in the southwestern ture by great vertical movements of part of the United States enact rain | tical scheme of producing rain on

Fires As A Cause. It was long thought that great ness of nature's process may be fires brought rain, and forest fires for causing rainfall has any value." realized from the calculation that have been extinguished by rainfalls to cover 100 square miles with one said to have resulted from the hundredth of an inch of water fires. James Espy a Pennsylvania 650,000 tons of water vapor must first meterologist in the latter half of be raised from the earth and then the nineteenth century, was an enthusiastic devotee of the "fire-tobring-rain" theory. He published a When theories were held that long letter stating his belief and shattering clouds would produce giving a method involving great ly costly, and concussions are not rain, great explosions and concus- fires which, he contended, was sure sions were tried to "open" the to precipitate moisture. Espy's letclouds. But it was held to be defi- ter also told of a communication he nitely proved by the World war had received from one George Macthat no amount of concussion will kay, who asserted that setting fire produce rain. And even as man has to large tracts of prairie had caus-

eruption, from the smallest convul- of Fredericksburg, Va., patented a sion to the great eruptions of As- rain-making machine under the ama, Vesuvius and Krakatoa, has theory that explosions in the clouds ever resulted in any more than the would cause rain to fall. Under the directions of a scientist named Dysenforth, experiments were made in source of revenue for charlatans and Texas with money appropriated by a basis for many superstitions. In congress. Dysenforth contended he August of 1928 two British South was successful, but scientists who African negroes were sentenced to witnessed the experiments said the death for killing four twins. An an- rain that fell came from natural

SCREEN-GRID

RADIO

In 1891 a Chicagoan named Gathman patented another scheme on

forth's explosions.

the theory that "sudden chilling of the atmosphere by rapid evaporaof twins were killed, the bodies tion" would accomplish what othplaced in a pot and the pot thrown ers had failed to do. Gaunman also asserted that a heavy concussion Practically every tribe of North set the air currents in motion. In view of the present knowledge of man may have antedated in theory some of the other modern scientists. In one home experiment Gathman also said he could and did produce rain at will. but there is no record of his having

Other Methods Employed.

electrical contact with clouds, fruition the medium of a kite, was the method tried in 1893 by Baudouin, a Frenchman. Baudouin said that in experiments conducted in Algeria -and that by withdrawing the kite

The United States weather bureau according to a report published last Even today in parts of the world February, definitely asserts that man cannot produce rain at will. The bulletin says that "it is quite true that in a laboratory a small amount of moisture can be precipitated by using special equipment but meteorologists know of no praca large scale. Widespread drought is due to a lack of sufficient moisture in the air. If there is little moisture to bring down obviously no device

In the countless attempts to bring rain, one of the greatest drawbacks has been the enormous costs involved. Dysenforth's Texas experiments cost \$80,000. Gathman said his rain would cost from \$30 to \$90 a square mile. Extensive fireseither prairie or forest are obviousonly expensive but give rise to annoyance and danger.

ADMINISTRATOR'S NOTICE.

Having this day qualified as administrator of the estate of J. R. Melton, late of Cleveland county, N. C., this is to notify all persons having claims against the said estate to present the same to me properly proven on or before the 17th day of October, 1930 or this notice will be pleaded in bar of recovery thereof. All persons owing the said estate will please make immediate settlement to the undersigned. This Oct. 17, 1929.

L. A. JACKSON, Administrator Estate of J. R. Melton, deceased

Mrs. Elizabeth Moore Of W. Va. Insurance Field, University Tells Of Civil War Experiences.

decessor, Mrs. Elizabeth I, Moore is Hundred Billion of Life Insurance sales results," said R. C. Braun, ad- o'clock or within legal hours, the looking forward to the opening of the university which she has loved and in which she has seen the ideals Kelly said, "the insurance com- outlined a plan for a concentrated adjoining lands of lot No. 2 and lot North 59 3.4 most 100 con-Causing rain by establishing an of her youth develop into successful

One of the founders of thought of coeducation in West Virginia. she devoted her life to the teaching of boys and girls of a generation, and when the surance span of her active years had pessed, she handed her ideas, her enthusiasm and the benefit of her ex-Maxwell Moore, who has given more than 50 years of her life to the teaching profession and continues ment at West Virginia university.

Girls Same As Ever. Mrs. Moore believes the modern 600. girl is no different from girls of her generation as to foundation and faith. She calls them the product of a newer day and an enlightened more freedom, more knowledge and a frank and candid analysis of life and its mysteries

She does not approve of girls smoking, but looks upon it with the same light as she looked upon equal voting suffrage and declares smoking is not so much a question of morals as it is of manners, and then adds with a smile, that no girl should consider it good manners and good breeding to smoke in public.

The story of the teaching career of Mrs. Elizabeth Moore goes back to the days of the Civil war, when she was principal and an instruct of at Woodburn seminary, which was a part of the present university

Appealed To Chivalry.

Confederate troops were in the vicinity of Morgantown. They burned the river bridge across the Monongahela river at this point and overflowed on the school grounds.

Mrs. Moore served the entire party with bread and butter and coffee, and after they had been amply fed she called upon them as southern gentlemen to withdraw from the school grounds. Her appeal did not fall on deaf ears and the entire party withdrew without having touched a building.

Educated at Wheeling Seminary, Virginia. Mrs. Moore came to Morgantown shortly after her marriage in 1883 and became associated with her father, who was principal of Mongalia academy. In 1857 her father and two other men bought the 13-acre manor of Thomas P. Reay and on it was built Woodburn Hall of West Virginia university, which is still standing and in daily

Assisted Her Father.

Mrs. Moore assisted her father in teaching until his death. She went to Pittsburgh, where she taught in a girl's seminary in East Liberty for a number of years and then returned to Morgantown to make her home with her daughter, who had started her teaching career.

After teaching a few years at Mount Holyoke and at Dennison university Miss Susan Maxwell Moore, daughter of Mrs. Moore, came to Morgantown to teach and became dean of women, which position she filled together with that as an instructor in the school of music. Miss Moore remained as dean of women 20 years, but relinquished this duty in 1923 and since has devoted herself to teaching music.

That the state of West Virginia was not slow to recognize the service given by Mrs. Moore was indicated when the new physical education building for women was erected on the campus. By recommendations from the West Virginia Alumnae association the state of control, by unanimous consent, named the new building Elizabeth Moore Hall and today this monument to the venerable woman is serving upward of 600 girls where swimming, folk dancing and other forms of physical education are

Mrs. Moore, at the age of 97, continues to take an active interest in university affairs and makes it a point to be in attendance at functions whenever health and weather conditions permit.

EXECUTOR'S NOTICE.

Having qualified as executor of the will of Carmila Ervin, deceased. late of Cleveland county, North Carolina, this is to notify all persons having claims against the estate of said deceased to exhibit them to the undersigned at RFD No. 1. Shelby, N. C., or his attorney, on or before the 18th day of October. 1930, or this notice will be pleaded in bar of their recovery. All persons indebted to said estate will please make immediate payment.

J. T. ERVIN, Executor. Carmila Ervin, deceased. David P. Dellinger, Attorney,

Urges Generous Use

Banker And Promotion Expert Favors Use Of Newspaper Campaigns.

Generous and judicious use newspaper advertising space will Morganton, W. Va.-After 97 enable life insurance companies years of life in West Virginia, the of this country to reach their second \$100,000,000,000 in business were told October 11 by promotion and Cooperation."

pediciously as it can be done," Mr. the newspapers. Newspaper ad- paper advertising. vertising is the most valuable medthe necessity of purchasing life in

perience to her daughter, Miss Susan I consider one of my dearest friends contact between the company's rep- Wright by deed by his father and the R. L. Borders property,

panies of the United States through | vital than this." the purchase of newspaper adverperiod wherein the girl demands tising liberally will certainly be the

consider life insurance an invest- turning of the worm. ment that is sound to the core and equal to an investment in the purchase of United States liberty bonds but it will pay a greater premium.

Advertising Brings Sales.

in five years, St. Paul underwriters producing not only good will, good highest bidder at the court house public relations and prestige, but door in Shelby on university as its educational pre- expert. He spoke on "The Second it can be made to show definite vertising manager of the Reliance following described real estate: "In order to secure this as ex- Life, at a meeting of Baltimore representatives of the company. He the head waters of Wards creek, panies should educate the public sales campaign to be conducted durthrough advertising the business in ing November, based upon news-

> participate in the campaign. The 42 poles to a stone; then N. 68 E. north west edge of Peacnt "The man who sold me my first throughout November and has been taining 28 acres more or less. Said 66 feet to the place of be life insurance policy 30 years ago planned as the basis of personal land being conveyed to Scott Same being a part of lot No. 4 and since the purchase of my first resentatives and the general public. "The opinion among insurance

ed to increase my life insurance in- officials and advertising executives to be part of the educational, move- vestment when my financial means has been that insurance advertispermitted. So you see I have con- ing in newspapers could produce N. C. tributed to the first \$100,060,060 - only good will, create prestige for the company and otherwise estab- day of sale balance January 1, 1930. "An educational campaign fos- lish good public relations. We be- title reserved until all purchase ond lien on the herein described tered by the large insurance com- lieve that the newspapers are more money is paid.

THY STAR WANT ADS

means of thousands of families in Umpire at an Ohio baseball game the United States purchased life in- killed a fan who had been criticiz-Of Newspaper Adv. surance who today, through the lack ing his decisions, and 5000 newspaof knowledge as to the value of life per paragraphers instantly sat down insurance, have neglected to evail and tried to think up some new way themselves of this protection. I of stating the old proverb about the

ADMINISTRATOR'S SALE.

Pursuant to an order of the superior court, made in special proceeding entitled "F. L. Hoyle, ministrator et al vs. Izella Swink, "Newspaper advertising by it- et al" by the clerk of superior court, surance institutions is capable of the undersigned will seil to the

Monday, November 4, 1929 at 12 Lot No. ?, in No. 11 township, on

N. 1 E. crossing the branch 51 poles to a stake; thence 10 poles to a stone in old line; then R. L. Mauney lot; thence with newspaper advertising campaign 40 poles to a post oak; then S. 39 Street; thence with the said page 12 of deeds, of the office of

the register for Cleveland county,

This October 2, 1929. F. L. HOYLE, Administrator of Scott Wright's Estate.

NOTICE OF SALE OF LAND. Under and by virtue of authority conferred in a certain mortgage executed by O. E. Stewart, and wife, Emma Stewart to Ralph T. Maun-

ey, of the County of Cleveland, State of North Carolina, dated the 15th day of November, 1928, and recorded in the office of the Register of Deeds for Cleveland County, in Book 130 at page 254, I Ralph T Mauney, will at 12:00 noon on Monday, 18th November, 1929

at the Courthouse door of Cleveland County, in Shelby, North Carolina, sell at public auction, cash, to the highest bidder, the following described real estate:

"Beginning at a stake on northwest edge of Peachtree Street. the southwest corner of the Wilson lot, and runs thence with others; Beginning on a stone, then lot North 58 3-4 west 100 feet to a small hickory; then N. 27 W. 1-4 West 66 feet to a stake in the About 40 Reliance Life represent S. 71 W. 66 poles to a stone; then North line of the said lot South 58 ium of acquainting the public as to tatives in the Baltimore district will with division line of No. 3 and 10, 3-4 East 100 feet to a stake in the will begin October 21 and continue E. 32 poles to the beginning con- of the said Street North 31 1-4 East mother, Peter and Viney Wright of which is recorded in the Office the first day of February, 1919, of the Register of Deeds for Clevewhich was recorded in book 3-M, land County, in Book No. 1 at page

This sale is being made on count of default in the payment of Terms of sale: One-half cash on the obligations as set out in the foregoing mortgage, which is a sec-

This 17th day of October, 1929. RALPH T. MAUNEY, A. R. Bennett, Atty.



KINGAN'S RELIABLE

ARMOUR'S STAR &

SWIFT'S PREMIUM

THE GREAT ATLANTIC & PACIFIC TEA CO.

CABINET WEEK

October 26-November 2

Shelby Hardware Co.

WE SERVE TO SATISFY." SHELBY, N. C.

LESS TUBES

This October 18, 1929.