3 MORE ELEMENTS TO BE DISCOVERED EXPERT DECLARES

LOS ANGELES, Cal., Aug. 4.—There are probably three more elements to be discovered, was the prediction ventured by Dr. Willis R. Whitney, of the General Electric company, Schenectady, N. Y., in an address before the American Chemical society last night. Discussing "Matter—Is There Anything In It?" he said science now has reached a stage where a physical picture of the structure of atoms is more intricate than any earthly model, and more perfect geometrically than any known celestial system.

Making new generalizations from the work of J. J. Thomson and R. A. Millikan, Dr. Whitney said:

"Matter is at least not merely dry and hard, nor yet soft and wet. It is electronic and celestial, whatever that may mean, and the most we know about it is that it is almost entirely space. It is as empty as the sky. It is almost as empty as a perfect vacuum, although it usually contains a lot of energy. All the elements from the smallest to the largest, the speaker declared, can be constructed by orderly assemblies of positive and negative electrons. Of the atom, he said its actual smallness is impossible to realize, but so much seems known of its dimensions that we must accept it and try to apply it.

"A molecule of water," Dr. Whitney illustrated, "contains two atoms of hydrogen. Suppose we start with one single drop of water and let all of its hydrogen atoms appear in turn as drops of water. If these were as large as raindrops they could cover the whole world with a foot of water."

Another illustration which Dr. Whitney gave was that if one of these hydrogen atoms were made so large that it became a yard in diameter, its electron still would be only a pinhead in size and its nucleus 2000 times smaller.

The speaker described the composition of matter as the chemist now sees it and demonstrated by experiments the realities of the unimaginably small particles. He said he wanted to go as far as he could in pointing out the vacuity of matter as scientists persist in speculating and experimenting on the atom because everything we know is made of atoms.

"There are only a very limited number of different kinds," said Dr. Whitney. "These differences explain all differences we can probably ever know in our universe. Thus far, the more we have sought to understand them, the more we have gained in appreciation of an unexplored, unlimited territory of interest and service.

"From the original atom of our youth, indivisible by definition, we now have a specious and divisible atom. They differ from one substance to another. This difference is produced by increasing quantities of something already present in the smallest ones.

"Every teacher of chemistry used the discovery of scandium, germanium and gallium, anticipated by the periodic law, to illustrate the value of orderly conceptions, even though he knew that good critical data seemed opposed to accepting any single protyle matter from which to make all elements.

"The persistent pursuit of this irregularity continued, and were blanks in the periodic system existed we always expected to find new elements. Three years ago the anticipated element, halfnium, was discovered by the X-ray method, in itself new. Much more recently we learned of the discovery of two more—masurnium and rhenium—by the same agent. There are probably three more to be discovered.

"But we have now reached a stage where a physical picture of the structure of atoms is more intricate than any earthly model and more perfect geometrically than any known celestial system. The laws of astronomy have been called into play, and super-celestial orientations are necessary to elucidate the complicated but not bewildering, the novel, but not embarrassing, internals of the atoms.

"The electron has become the ultra-atom. We cannot claim that ours is simpler than the atom of our fathers. Theirs was harder to comprehend. The test is that our new atom has done many things for us which the old atom could not do."

GOITRE INCREASING IN WESTERN U. S. A.

LOS ANGELES, Aug. 4.—(A. P.)—Half of the girls living in a belt extending from New York to the Rocky mountains have incipient goiters and the number so afflicted is increasing with the growth of population, declared Dr. J. W. Turrentine of the United States department of agriculture, in a paper presented today at the 70th meeting of the American Chemical society which is being held here.

This increase might be checked, Dr. Turrentine said, if growing children were given a daily portion of four-millionths of an ounce of iodine. The readiest form in which this may be taken into the system is seaweed, one thousandth of an ounce of dry algae or seaweed contains the essential quantity of iodine. The same result may be obtained from eating 2.5 ounces of oysters, 24 ounces of sea fish, 260 ounces of fresh water fish, 200 ounces of eggs, 440 ounces of lettuce, 500 ounces of milk or 2400 ounces of wheat.

"These figures," explained Dr. Turrentine, "show how difficult it is to plan a menu from ordinary articles of diet which will provide adequate quantities of the essential iodine."

NAVY PLANES ON M'MILLAN TRIP IN TRIAL FLIGHT

WASHINGTON, Aug. 4.—(A. P.)—Two of the navy planes with the MacMillan Arctic expedition have been assembled at Etah, Greenland, and a successful flight with one of them was made for 30 minutes last night.

The take-off was made from the water and it is assumed it will not be necessary to build a runway.

Lieutenant Commander Byrd, commanding the navy section, in a dispatch filed last night to the navy department said:

"Naval unit started work early with first sunlight since arriving here.

"All mechanics sent to work on NA-2, which was erected at 2 p. m. All hands were then brought to work on NA-3, which was erected by 9 p. m., and hauled out and tied up to buoy 100 feet from beach. NA-2 took off for test hop at 9 p. m. and had break down. Hop—(sic) at 9 p. m. and remained in the air 30 minutes and at 9:35 p. m. is moored to buoy near NA-3. Lieutenant Schur, pilot, R. E. Chevalle, (aviation machinist's mate), a mechanic and Commander MacMillan passenger. The flight was successful."

(Some details of the message apparently were garbled in transmission).

PRESIDENT HOPES HAYNES WON'T GO

SWAMPSCOTT, Mass., Aug. 4—(A. P.)—It was reiterated today at the summer white house that President Coolidge understands that Roy Haynes will continue as prohibition commissioner despite persistent reports that he might resign.

The president has received no official information of any change in enforcement policy curtailing Mr. Haynes' powers.

It is his understanding that Mr. Haynes is functioning as usual except that he is immediately responsible to Assistant Secretary Andrews of the treasury, who has been placed in charge of the government campaign against prohibition law violators.

Mr. Coolidge, however, has taken the position that administration of the Volstead law now is in the hands of Mr. Andrews and he should be given a free hand to make such shifts in personnel and changes in policy as he deems desirable.

Varied Program of Vaudeville for Tonight

"Temptations of 1925," is one of the leading features of the vaudeville at Hunt's Craterian tonight. The dominant features is the dancing team of Leslova and Darasoff. The soloist is Miss Adelaide Kerkoff who sings the prologue to the act in addition to

Adelaide Kerkoff in "Temptations of 1925."

other numbers, Marge Gary at the piano does the musical accompaniments.

A distinct diversion in the way of entertainment is the physical and vocal offering of Corelli and Burley known as "the Yank and the Scot."

One of the most unique presentations of marksmanship with rifle and revolver is the exhibitions presented by the Georgalis Trio of European sharpshooters.

"Songs as You Like Them," Ernie Gordon and Evelyn Delmar, whose voices are especially adapted to the harmony singing which they offer.

Ralph Seabury who smiles, talks and makes cartoons is very entertaining. He has a few new tricks in cartooning that are both skillful and humorous.

Pictures and good music round out a splendid bill.

Jap Airplanes Arrive.

CHITA, Russia, Aug. 4—(A. P.)—Two airplanes, flying from Tokyo to Moscow under the auspices of the Daily Asahi, a Japanese newspaper, arrived here today from Harbin, Manchuria, a distance of approximately 1300 miles.

Only few days left special electric range offer; get your's now! 119*

Sports

DEMPSEY FACES SUSPENSION IF HE DODGES WILLS

NEW YORK, Aug. 4—(A. P.)—Though failing to take any further disciplinary action against Jack Dempsey for his alleged dilatory tactics in agreeing to fight Harry Wills, the New York state athletic commission decided it would suspend any boxer who meets the champion anywhere before he signs a contract and posts a forfeit to battle the giant negro challenger.

NEW YORK, Aug. 4.—Jack Dempsey's heavyweight pugilistic throne is being dusted and polished for a new occupant.

Steps to suspend the champion for his failure to appear in New York and accept the challenge of the negro, Harry Wills and plans for an elimination title series to elect his successor, engaged the New York boxing commission yesterday.

Dempsey himself was unable to appear to defend himself orally. He has written the commission asking its indulgence in his delays, resulting from the straightening out of his business affairs with Manager Jack Kearns, but word went forth last night that the days of grace for the champion had reached an end.

Anticipating the dethroning of Dempsey today, as well as the commission's approval of a "championship battle between Wills and Gene Tunney, Promoter Tex Rickard has already taken preliminary steps to stage a contest between the challenger this fall.

Rickard says that Dempsey positively will not fight this year.

Mickey Walker, welterweight champion, who was slated yesterday to accompany Dempsey back into the ranks of the New York ineligibles because of his failure to arrange for the defense of his title against Dave Shade, today was in charge, training for a fight with Billy Wells. Loss of his title in New York is nothing new to Walker. He has been dethroned before on the same count.

LO SANGELES, Aug. 4.—(A. P.)—Jack Dempsey awaited here, with apparent composure the meeting today of the New York state athletic commission at which its members have indicated they would suspend the world's heavyweight champion indefinitely if he was not present in person to sign articles of agreement to meet Harry Wills, his chief challenger.

Dempsey gave out last night the text of a letter which he said he had sent by airplane mail to the commission and which he said he believed would prevent action by the rulers of the boxing sport.

In his letter Dempsey explained that pressing business matters held him, that he had a "proper respect" for the New York commission and fully intended to comply with its demand that he accept Wills' challenge and that he had agreed to fight no one else.

TENNIS TOURNEY ASHLAND, AUG. 11

The Lithia park tennis tournament will be held in Ashland, August 11, 12 and 13. A small entry fee will be charged and there will be four divisions, as follows:

Juvenile boys and girls, age below 14 years; junior boys and girls, 14 to 16 years, inclusive; senior boys and girls, 16 to 21 years, inclusive; free-for-all, all ages, men and women.

There will be a medal for each event. The Lithia cup is a permanent feature, winner's name to be inscribed on cup. There will also be a cup offered emblematic of southern Oregon championship. Tennis players may make entries at Young's Hardware store not later than Monday at 12 o'clock.

Surprise at Vancouver Race.

VANCOUVER, B. C., Aug. 4.—George Muchlebach sprung a big surprise at the Landsowne race track here yesterday when he won the last event, and paid his supporters $53 for a $2 straight ticket. Mountain Oaks won the feature race of the derby carrying off a $700 purse.

Man to Man

ROI-TAN

A cigar you'll like

"ROI-TAN HIGH LIFE? It's as smooth as the purr of your engine! Try one!" (2 for 25c)

MICKEY WALKER SEES NO CHANCE FIGHTING SHADE

CHICAGO, Aug. 4.—(A. P.)—Micky Walker, the welterweight champion facing indefinite suspension by the New York state athletic commission, is not hopeful for an immediate settlement of the trouble.

Walker came here yesterday to begin training for his ten round no-decision bout with Billy Wells of Great Britain next Friday night at East Chicago, Ind. At the same time the New York commission considered suspension if Walker and Jack Dempsey do not appear today before the commission and sign articles of agreement for title matches with their outstanding challengers, Dave Shade and Harry Wills.

"They can't seem to get us straightened out," said Walker. "I agreed to fight Shade and my manager, Jack Kearns, signed for the bout. But that didn't suit.

"When they had me before the commission I told them that my manager would have to sign for me and talk business for me. That made them sore, I guess, because they seem kind of off Kearns because he tried to protect Dempsey by ducking Wills. So there don't seem to be much hope for an immediate settlement of the trouble.

"I fought Shade twice, and am ready to fight him again. Perhaps when Kearns gets here he will talk matters over about putting the fight on here.

"The way it looks now Shade won't fight me in California, where I signed to meet him, and the New York commission will not let me fight in their territory because Kearns is my manager, so maybe we'll have to come to Chicago to put the thing over."

Kearns is en route east from the Pacific coast and probably will arrive here tomorrow.

TENNIS CRACKS ALL COME THRU OREGON TOURNEY

PORTLAND, Ore., Aug. 4.—Preliminary and first round matches in both men's and women's singles were played off in the first day's play of the Oregon state tennis championship tournament being held this week. Sixty-two matches were disposed of, 51 played and 11 defaults. Five matches in the second round of the men's singles were also played with Elmer Griffin of San Francisco, Harry Isreal, Ed Capen, Richard DuBois, University of Washington star of Vancouver, Wash., and Charles Burton, junior champion of Portland, advancing.

Phil Neer, former Portland star, registered from Palo Alto, romped through preliminary and first round matches, encountering little difficulty in disposing of George Mead, 6-1, 6-0, and Dr. E. P. Steinmetz, 6-2, 6-1. Catlin Wolfard, former Portland city and Oregon state champion, who is living in San Francisco, displayed splendid form in Monday's play, defeating "Hans" A. S. Frohman, 6-1, 6-1.

GERMANY HESITATES TO EVICT THE POLES

BERLIN, Aug. 4.—(A. P.)—Germany still hesitates to order the eviction of Polish residents in Germany who voted in favor of Poland in the plebiscites of 1920 21 in upper Silesia and east and west Prussia, but have failed to comply with orders to leave the country by August 1. The Prussian ministry announced today that Germany's action will depend on whether Poland forcibly evicts the Germans who voted for Germany.

Among the plants that grew and flourished you'll find that none were undernourished.

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29x4.95 Balloon Cord Tires

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BIMIN ISLAND DOWN AND OUT, WHISKEY GONE

NASSAU, Aug. 4.—(A. P.)—Bimin Island, which rose to wealth and fame when prohibition in the United States caused it to become the bootleggers' paradise is down and out. The last case of the huge quantity of American rye whiskey which was exported from American shores to Bimini and placed in bond there, has been unable to find its way back into the United tSates via rum row and after years of plenty many Bimins face poverty.

"I regret to put on record as the year closes that the prospects of Bimini are very gloomy indeed and only a miracle can revive this port," writes Commissioner W. T. Cleare of Bimini, in his report to the colonial government.

"The last case of whiskey has been taken out of bond and the tourists do not come. The hotel has proved a white elephant and the port is practically dead to all commerce or industries. The people for the past five years have made easy dollars and now a dollar must be really worked for.

"The revenue for the coming year from all appearances will be very small. The revenue for 1924 all practically came from bonded liquors."

Only few days left special electric range offer; get your's now! 119*

Increase Your Beauty and Look Younger

Delightful New Vanishing Cream Containing True Buttermilk Must Make You Look Years Younger Or Money Back.

The old-time application of Buttermilk and Cream to whiten and preserve the skin and remove harsh little wrinkles and ugly sallowness is grandmother's recipe and women throughout the country are again using it to ensure a beautiful complexion and snow-white hands and arms.

Buttermilk, however, is not always obtainable, but a specialist has at last perfected a method of concentrating buttermilk and combining it with a perfect cream, which you can buy in small quantities ready for use at any first-class drug store by simply asking for "Howard's" Buttermilk Cream.

There is no secret about it nor is there any doubt about the result—it's just a common ordinary buttermilk in the form of a wonderful cream, gently massaged with the finger tips around the corners of the eyes and mouth.

Buttermilk Cream is only sold by all good druggists on a positive guarantee of satisfaction or money back. All druggists. Adv.

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All of life's lessons are not learned in school. The lesson of paint's protection comes from experience. We know that paint is the best protective policy. Why do we put it off?

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The Answer to the Burning Question

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of lost daintiness . . . *at times*

This new way, that scientifically solves woman's oldest hygienic problem, will end it

THERE is now a way in personal hygiene that is safe and sure. That warrants immaculacy under any and all conditions.

The old-time sanitary pad has been supplanted . . . scientifically.

Wear your lightest silks, your daintiest frocks without a second thought. Dance, motor, accept social invitations, any day, every day. Live your life unhandicapped.

The name is Kotex. It's made of cellucotton, the war's great absorbent.

It absorbs 16 times its own weight in moisture—5 times that of the ordinary cotton pad!

It is as easily disposed of as a piece of tissue—ending the old embarrassment of disposal.

It is deodorized. And that prevents danger of offense.

It's at every drug store, every department store. You ask for it, without hesitancy, under its trade name of "Kotex."

8 in 10 women of the better classes have adopted it. Doctors urge it. Hygienic authorities employ it.

It will mean much to you . . . will make a great difference in your life. Going on with old ways is a folly.

KOTEX
DEODORIZED

1 Protection: 5 times as absorbent as cotton pads. Absorbs 16 times its own weight in moisture — and scientifically deodorized.
2 No laundry. Discard as easily as a piece of tissue.
3 Easy to buy, anywhere. You ask for them by name. Many stores keep them ready-wrapped — help yourself, pay the clerk, that is all.

No laundry—discard as easily as a piece of tissue

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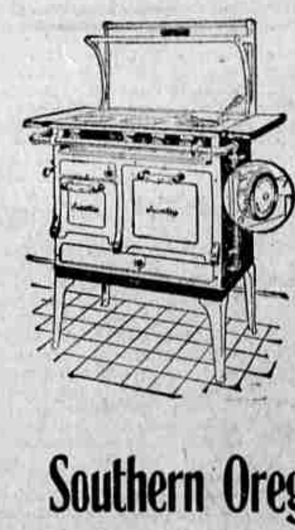

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Free piping in your home.

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