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Wise tobacco chewers long since got over the big-chew idea. A little chew of this real quality tobacco gives them better satisfaction and they find their chewing costs even less.

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and actual tests our Board of Lubrication Engineers has determined the correct consistency of Zerolene for your make of automobile. Their recommendations are available for you in the Zerolene Correct Lubrication Charts. There is a chart for each make of car. Get one for your car at your dealer's or our nearest station.

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DUT it flush up to Prince Albert to produce more smoke

fit your smokeappetite like kids fit your hands! It has the

jimdandiest flavor and coolness and fragrance you ever ran

to find out the double-quickest thing you do next. And, put it down how you could smoke P. A. for hours without

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Realize what it would mean to get set with a joy'us jimmy

pipe or the papers every once and a while. And, puff to

beat the cards! Without a comeback! Why, P. A. is so

good you feel like you'd just have to eat that fragrant smokel

R. J. Reynolds Tobacco Company, Winston-Solom, N. C.

cuts out bite and parch.

Just what a whale of joy Prince Albert really is you want

happiness than you ever before collected! P. A.'s built to

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Is Simply, Find Out!

Heads of Big and Little Business, Who Do This, Will Be the Winners in the Great Industrial Battle Now On.

Find out! That's general order No.

1 in American big business, Can Du Ponts, who made threequarters of all explosives used against Germany, swing that vast machine into a useful purpose of peace?

It hired 2,000 chemists, set them to research work and found out!

Can the United States double its wheat product and add a half to its meat supply? Spend \$25,000,000 in research work along agricultural lines as it did two years ago and find out! How can Standard Oll utilize every drop of that black ooze witch pours from thousands of oil wells? By employing chemists and engineers who can find out.

Why does Armour have 125 subsidiary companies, many of them highly profitable, and which as the elder Armour said utilize every part of the pig but the squeal? Because it spends an immense sum to carry out that general order No. 1 of all big business.

Find out! There are in the United States today 40 concerns, each of which spends anywhere from \$100,000 to half a milfinding out, writes "Girard" in the Philadelphia Ledger.

It is the supreme day of the expert, the engineer and the chemist. It is the six fugitives flashed through the he era of unlimited research work. Is leather too scarce and expensive? find a substitute.

Is there a famine in white paper? Set your researchers to discover a

Two-thirds of all the energy in coal goes up the chimney in smoke. The biggest fuel burners, such as the Pennsylvania railroad, spent big sums to find out a way to lessen the smoke and increase the heat in a boiler. "Can you take that battery?" asked

the general. "I think I can," replied the colonel. "Go take it," said the commander, "and don't come back until you do." "Here's \$10,000," says the corporation president to his chief of research workers, "find out how we can save

a fraction of a cent on each ton of output.' And the fellow who can find out has won a great industrial battle and cap-

tured a battery from his more sluggish competitor. One winter day in his banking office I saw Winthrop Smith hand a sliver dollar to his old friend, the

magician, Kellar. "Here, do a trick," said the banker. "Hands are too cold," replied the sleight of hand artist, but taking the coin he flipped it into the air and instantly it seemed as if it were

raining silver dollars in Kellar's silk That's how some of the wizards in of genius they multiply one dollar of profit into nearly a dozen.

"Luck," you say. Not that at all. It wasn't luck which enabled the magician to manipulate the coins, but years of patient practice and study.

The follow who thinks he can win in business today without once following the injunction "find out," had better telephone for the sheriff to nett

ROAD TO SUCCESS HIS DREAM FADED

Obey General Order No. 1, Which | Soldier's View of Pure Delight Abruptly Dissipated.

> Officer of the Day Had His Own Ideas Concerning the Wine Cellar and the American Fighting Man.

> How would you like to have six prisoners, whom you were guarding and who apparently had no means of upe, suddenly disappear from sight, and to all appearances from the face of the earth?

> Such was the experience of a Seventh infantryman on guard not long

According to the guard's own story. he was in charge of six prisoners who re digging a hole near the rear of the Liberty hall at Andernach. On three sides were walls of such height that it would be impossible for the prisoners to scale them. On the remaining side was the guard, bayonet fixed and ever on the alert for disorders among his charges.

"For an instant," said the guard, "I glanced away from my prisoners. When I again looked in their direction they were gone. For a few minutes I almost paralyzed. I began to think I had lost my mind or that nightly recreation in the wirtschafts had permanently affected my eyesight. I knew they couldn't get over the walls. I was sure that they had not ion annually on this great game of passed me, and yet in the fraction of second they had disappeared from sight."

Visions of serving the sentences of mind of the guard. Then he decided that some action must be taken, and taken immediately. He rushed to the edge of the hole and peered into its depths. At first he found no clew to the mystery. Then in one corner of the excavation he saw a few loose bricks and an opening into what seemed to be an underground passageway. With one jump he reached this opening, and shoving his gun and bayonet ahead of him, he crowded his way along a narrow brick-lined tunnel. A few steps along this and he found himself in a large cellar, amply stocked with ancient vintages from the vineyards along the Rhine.

Seated on the wine casks, and evidently very much at ease, sat the six prisoners, smiling at the discomfiture of their guardian.

With his charges once more in hand the mind of the infantryman instantly formulated a plan. Hurrying the "willful six" back into the daylight, he began to brick up the entrance to the discovery with a plan for future reference.

Just then the officer of the day

came on the scene. Result-The secret passageway and wine cellar came into official notice, was ordered "out of bounds to the A. E. F." and Seventh infantry dreams of a private wine cellar went the way of the goof and dodo.-From The Watch on the Rhine, Andernach, Ger-

HIs Suggestion.

"The majority of people in and around Wayoverbehind declined to set their clocks ahead, and are still going by old time," said Farmer Hornbeak. "It seems to me that a government commission should be appointed to investigate the matter. Those of us who are outraged by the refusal of those moss-grown procrastinators to act in harmony with us will feel that we are going to be avenged, and the commission will move so slowly that it will not be ready to commence to do anything until after the time has been changed back again, and then there will be no cause for action. Accordingly those nonprogressive but entirely worthy persons will not be disturbed, and the rest of us will have the happy consciousness of having done our whole duty when we snouted into their affairs.-Kansas City Star.

Cigarette Rings.

Articocratic women in London are wear at gem ring cigarette holders. It's the very latest wrinkle. The rings are advertised in British magazines as made by his majesty's jeweler. You have to be aristocratic or plutocratic to wear one, because they cost from \$250 to \$300 apiece.

The rings are gold or platinum, set with precious stones. You press a tiny catch on the side and up springs a dainty metal finger with a circlet at the end through which you insert your cigarette and then puff away. The women wear the rings on their forefingers. The holder, according to the prevents nicotine from coloring the fingers. So far the rings haven't reached this country. but American jewelers expect the fad will soon appear on this side of the

But She Brought Him.

"Dorah." said the literary woman, press, "I wish you would go down to the library and bring me 'Flavius Josephus."

The new girl left the room and hastened to execute the commission. Presently a terrific noise was heard and Dorah pushed the door open with

her foot a moment later, dragging in by the collar a reluctant Newfoundland dog "Here he is, Mrs. Dinnis," she said.

but ye ought not to have sint me fr It's a man's job. The brute thried to bite me an' I had to fight im iv'ry fut o' the way."

FREAKS ENTITLED TO FAME

European Families That Had More Than Ordinary Claims to World's Attention.

There is living at Bilbao, Spain, a family of seven who between them possess no fewer than 164 fingers. On of them has 23 fingers, another 21. while of the remaining five each can boast a couple of hands with 12 fingers apiece.

At Koshilivo, Russia, a very similar phenomenon exists in the fifty or more descendants of a peasant with extra fingers on his hands, who married a the beginning of the last century, all of whom are dowered with from one to five fingers in excess of the normal

The last surviving member of what was perhaps the record family with regard to weight was, in the person of Charles Atkins, a few years back interred at Harrow, England. He weighed 476 pounds, his brothers, who predecrased him, being no less than 504 and 560 pounds.

The family record for longevity has not been heaten since Robert Parr, the at-grandson of the celebrated Thomas Parr, died in 1757 at the ag of one hundred and twenty-four. H: father lived to celebrate his one hundred and ninth birthday, his grandfather reached one hundred and thirn, while his greatgrandfather was 152 at the time of his death.

There is mentioned in the Harleian Miscellany a Scotch weaver and his wife who were the proud parents of 62 children, 50 of whom reached their

Large as this family was, its fame pales before that of a Russian, one Ivan Wassilig, who was the proud father of 87. By his first wife he had 69 children in the following order: Four times quadruplets at a birth, seven times triplets and 16 times twins. By his second spouse he had twice triplets and six times twins.

Undoubtedly the record for misfor tune belongs to a Belgian family named Adnet. The father, Jean Adnet, was drowned: his wife committed suicide, while of his two sisters one was killed by the kick of a horse and the other by a blow received from a falling scaffold.

Jean Adnet had stx children, four sons and two daughters. Of these the latter perished through the overturning of a pleasure bont. One of the sons was stabbed in a drunken brawl, another was crushed to death by a heavy wagon, while the remaining two, who emigrated to America, were slain in 1891 while fighting for Balmaceda against congressists.-Stray

Remarkable Twins.

Darius Cobb, artist, who died recently, and Cyrus Cobb. sculptor, were twins whose similarity, not only in external features but in the nature and development of their talents, is one of the most remarkable in scientific history. At fourteen both were painting views of the Mississippi river. At sixteen they were both leading orchestras, having simultaneously taken up the study of music. About the same time they both wrote poems for he marries her, in the Solomon islands, a paper published by the father, the In all that time he is never permitted Rev. Sylvanus Cobb.

When the twins were nineteen years old they started painting, professionally. Cyrus painting the portrait of their father and Darius that of their mother. At twenty they added lithographing to their accomplishments. In the Civil war they enlisted and fought side by side. At the close of the war came the first diversity in their activities. Cyrus then devoted himself to sculpture, designing a number of soldiers' monuments and historic figures. Darius became a historical painter. His head of Christ, upon which he labored 34 years, was regarded as his masterpiece.

Far From Other Cities.

What is the most out-of-the-way place in the United States? A Urah nominates Hanksville, in that state, for the distinction. Hanksville, he says, is the last postoffice for several hundred miles to the south and a hundred miles to the east. The mail that reaches there goes through so much hardship that the wrappings are usually worn out, for it must pass through the hands of three star route contractors before reaching its destination. A letter from Hanksville, he says, had just reached him at Green River, 60 miles away, which had been 16 days on the way.

Used Theater Programs Cleaned.

Conservation has extended even to rumpled theater programs, left in the seats by the patron of a theater, according to Popular Mechanics Magazine. Between 200 and 300 are picked up each night, piled in stacks of 50 each, and pressed flat in a bookbinder's press for 24 hours. Emerging tlat and unwrinkled from this process, they are then run through rubber rollers, which erase all fingerprints and stains. It is said that it is impossible to distinguish these reclaimed programs from those just off the printing

The New Version.

"Gabe Gosnell got buncoed good and plenty on his trip," related Burt Blurt of Petunia. "Aw, well," returned old Riley Rez-

zidew, "a fool and his money go to Kansas City."-Kansas City Star.

Welcome Home Day, "Papa," Billie asked, "is a trillion more than a billion?"

"Yes," Billie was answered. "Then, papa, I'll bet there's a trillion people lookin' at the parade."

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First Class Job Printing at the Headlight Print Shop. Subscribe for Tillamook Headlight.

INTOTHEUNKNOWN WILL "MAKE GOOD"

Untraveled Paths.

Martin Johnson and His Wife, Setting Out for the South Sea Islands, Explain Yearning That Calls

Them to the Jungle Land. To perpetuate the work that Jack London commenced and to film the unexplored mysteries of the jungle land that vast unknown bush country of the South Sea islands; to bring back photographic records of the habits, ustoms and mannerisms of tribes of which no white man has any knowledge; to endanger their lives in the tropic heat; to rub elbows with natives who are afflicted with leprosy, elechantiasis and other dangerous forms of contagious disease. All these items nean nothing at all to Martin Johnson ad his pretty wife, Osa, who will ave New York Monday for Australia erior to invading the vast bush counry, the unexplored interiors of which o white man has ever seen, writes the New York Sun. "I am anxious to go to the South Sea islands because it is the nearest place to paradise on God's earth," said Martin Johnson. There are no strikes there, and it is a far safer place than in your little old New York. You may have Broadway if you like, but as for me I want to get away from your talk of Bolshevhiskey' and everything that has anything to do with it at all. Pro or con it doesn't make any difference. And then again," Mr. Johnson continued, "there is the lure of discovering things no white man has seen. There is the great adventure about it. It is a yearnng to get away from all this back here and be out in the great wild. It is the unfathomable unknown, the insoluble wilderness that lures me." For Mrs. Johnson, this represents her second trip to the bush country, and she probably is the first woman from the United States to achieve such a disfinction. The marglity of the natives of the South Sea Islands is eulogized by Mrs. Johnson, who deprocates the morality of the white people, declaring the former to be of a higher stand-"No man covets his neighbor's wife there," she said. "Only in one instance did I see the penalty that & woman paid for alienating the affections of another woman's husband. They hanged her to a tree and executed her by slashing her body. A man

lives three years with a woman before meet her in the open or mention his name to her, or she to him. Their coming together is decreed by order of the chief. The man is told who his mate is to be and where he can find her. In the dead of night he goes to her. If they like each other they are married in three years. If not then

Use of Chemical Products.

their children are given over to the un-

bride's or bridegroom's

married

The interest in chemistry and chemical products has greatly increased in the United States owing to the fact that this country has been forced by the war to depend upon its own resources in this direction. The following uses are ascribed to these chemical products: In making soap and paper pulp, mercerizing cotton and purifying mineral oils, caustic soda is used; soda ash is necessary in the manufacture of soap and glass; silfcate of soda (better known as water glass) is utilized in the manufacture of soap and in dyeing and printing calico, finishing cotton goods, preventing McNutt in Collier's Weekly. wool rot, bleaching jute and preserving eggs.

Abolishing Trench Foot.

In the first winter of the war we used to hear much about "trench foot," due to standing long in the fey water and mud of the trenches. It was an inflammation that ranged from a sort of glorifled chilblain to a condition of

gangrene. Col. George G. Nasmith, who commanded the Canadian Mobile Laboraory with the British expeditionary forces in France, says in the Medical Record that this vanished from the British army when it was discovered that the periodical removal of puttees, drying and chafing the feet and legs, covering them with whale oil and putting on dry socks was an absolute preventive.

Boy Scouts.

The boy scouts' organization was founded in England in 1910 and introduced in the United States the same ear. The object is to develop patriotsm, discipline, courage and self-control in boys, as well as to put the Golden Rule into daily practice. The unit of the organization is the "patrol" of from six to eight boys; a "troop" comprises two or more "patrols" and the scoutmaster is the officer in charge of a roop. Lieutenant-General Sir Robert laden-Powell was the father of the poy scout movement in England and Ernest Thompson Seton in the United

Record Shorthand Writing.

Herman J. Stich, an American court reporter, wrote under most rigorous rules at the rate of 300 words a minute for five consecutive minutes, and then presented a transcript that with only two immaterial errors almost reached perfection, the percentage of accuracy being 99.9. Mr. Stich's perto to described as the fin

Adventurers Irresistibly Lured to Spirit That Animates the Return-

Men Who Gloriously Finished the Greatest War in History Have Now But One Idea: Their Country's Good.

ing Soldiers.

The American soldier in the great war dedicated his life to the establishment of justice, freedom and democracy in the world. Analytical wise guys have been busy ever since Amergot into the war, furnishing cynical explanations of the American fight-

ing man's impelling motive In spite of the complex arguments of the analyticas psychologists who can understand anything but the simple sincerity of an honest man, the American soldier did fight in war for the establishment of those principles, and has every intention of working in peace for the preservation of that for which he fought. I talked of the purposes of the Amer-

ican Legion with Colonel Roosevelt. In his conversation, as he explained them to me, the word "crystallization" occurred again and again. "We want," he said, "to crystallize

the spirit that made it possible for us to get into this war and to fight it as we did."

Do you realize, you who read this, what that spirit is that this organization wants to crystallize and preserve? I'll give you an example of it that I

A shattered church in the Marne salient during the latter part of July: It was filled with freshly-wounded on stretchers. The shells were whining over and bursting about it. A slim, big-eyed, very boyish boy was brought in all shot to pieces. He was a very ordinary American boy, certainly not more than eighteen. A medical mafor was passing.

"Hey, doc," the young fellow called weakly.

"What is it, son?" the major asked, bending above him. "Tell me, doc," the boy begged hus-

kily. "Am I-am 1-bad hit?" The major looked at the descriptive slip with which the wounded boy was tagged and hesitated. He knew the young fellow had less than half an hour of life left in him.

"Well, I'll tell you, son," he said "You're in a pretty bad way. but we're going to do all we can for

The boy-who was a very ordinary young fellow, as I have said-saw the roth under the thin camouflage of

He knew he was dead. He caught his breath quickly, closed his eyes, and, reaching up, caught hold of the major's hand and held it tight for

a little time. Then he sighed, opened his eyes, and folded his arms contentedly on his breast. He looked up at the major, and there was the calm light of a glad

resignation on his face. "Well, anyhow," he whispered triemphantly, "I guess I made good, didn't I?"

"You sure did, son." the major assured him.

happy in the knowledge that he had made good in his personal obligation to establish the principles of justice, freedom and democracy. That's the spirit that the American Legion wants to crystallize, to perpetuate, to preserve and translate into terms of constructive civilian effort

The boy smiled again and dled,

that will insure the continuation in

force of the principles that the sol-

dier fought to save .- William Slavens

The Italian Farmer. The Italian former is evidently nothing if not willing to experiment. No fewer than three classes of collective farms are in successful operation in the country. In one class a co-operative society of farmers acts as landlerd for the individual members, each of whom tills his own farm independently of the others. Under the second plea the co-operative society holds the land, decides from year to year how it is to be divided and cultivated, and appoints each member to his part in the program of cultivation. The third plan is more complicated: the cooperative society rents a large farm which is worked by a permanent staff of members receiving a salary for their services, and by other members who divide their time between work on the co-operative farm and on privately owned farms. All three forms of cooperation are highly successful according to recent accounts. They have this point in common, the elimination of middlemen between farmer and con-

Ivory "Mines." Lieutenant Scheutze, who was 1

member of a United States naval expedition sent into the arctic in search of the exploration ship Jeannette, reports the discovery of ivory "mines" in a group of islands lying northeast of the Lena river, situated in north east Siberia. Vast numbers of mammoths, it appears, have been discorered buried in a sea of ice, and it is held that, for a short period each year, probably a few weeks, these mammoths could be "mined" with great profit, owing to the immensity of the tusks, four times the size those of the elephant of this age, and because of the great value of ivory neest. An ivory "mining" expects a would doubtless furnish all the