

8-23-1935

## M.W.A.K. Columbian, Vol. 1, No. 9

Mason-Walsh-Atkinson-Kier Co.

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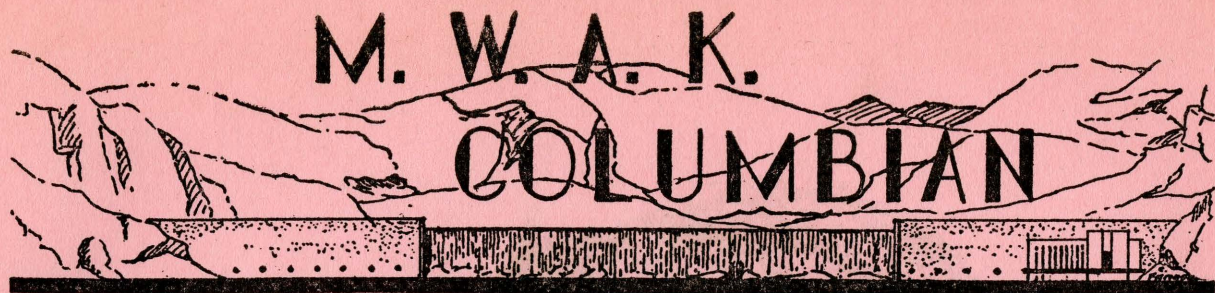
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### Recommended Citation

Mason-Walsh-Atkinson-Kier Co., "M.W.A.K. Columbian, Vol. 1, No. 9" (1935). *Columbian (Grand Coulee Dam newsletter)*. 10.  
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SAFETY  
DEPARTMENT

MASON-WALSH-ATKINSON-KIER CO.  
BUILDERS OF COULEE DAM

MASON CITY  
WASHINGTON

Vol. 1 No. 9

M. Pete Shrauger--Editor  
Safety Engineer

August 23, 1935

SHAFT AND TUNNEL WORK

One fine spring day in March, 1934 a block of earth, estimated at more than a million yards, slipped on the west side creating (1) what was later to become known as the "slide area," and (2) one of the engineers' greatest worries.

Since that day, there have been smaller slides from time to time, and the solution of the problem has taken many hours of thought on the part of the bureau. The result was the theory that streams of water "greased" the clay seams and permitted the earth above the seams to slide. To take out this water, a series of tunnels were planned, and are now being driven in the granite under the entire slide area.

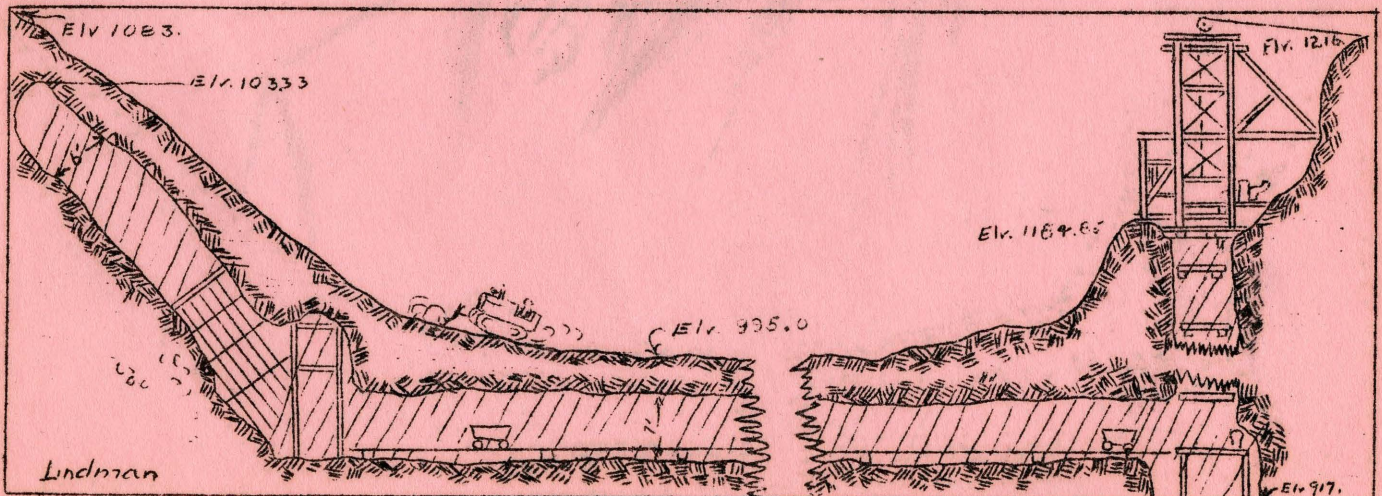
The beginning of the work was the driving of the main shaft. From here "drifts" or side tunnels were to be driven to tap the smaller wells sunk by churn drills. The main shaft has now been completed, and work is well along on the drifts.

The main tunnel extends 273 feet to the bottom of the sump. The floor of the main drift is at the 240 foot level. This drift runs 200 feet over towards the central part of the slide, eight by seven feet in size, and taps direct into well number 2. This well, sunk in the central and lower part of the slide area, and when first opened, netted pumps around 120 gallons of water per minute for nearly 10 days, and then slumped off sharply. Beyond this well, the drift runs another 66 feet, and deadheads there.

Almost at right angles to the main drift, another shaft reaches out towards the river 166 feet, where it "daylighted," and stopped.

In the opposite direction, a sloping drift starts up the hill. At present, it has been driven through 520 feet of rock. Several score of feet beyond, it will take its second turn, and proceed on a

(Continued on Page 5)





M. W. A. K.

# COLUMBIAN

WASHINGTON  
MAYOR CITY

DEPARTMENT  
BUREAU



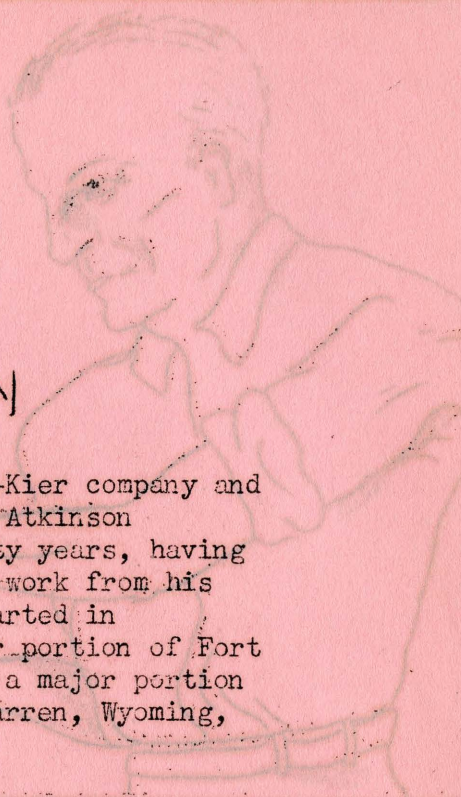
August 25, 1935

Vol. 1 No. 9

One fine spring day in the  
 block of earth, estimated  
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 the water level in  
 the city in  
 were planned  
 in the city  
 The beginning of the work  
 eye of the rain which  
 of the tunnels were to be  
 the earlier water was by  
 the rain falls and was  
 the work is well along







## GUY F. ATKINSON


First Vice President of Mason-Walsh-Atkinson-Kier company and President of Guy F. Atkinson company, Guy F. Atkinson has been in the contracting business for forty years, having inherited a love and talent for construction work from his father, George W. Atkinson, with whom he started in business in 1896 when they contracted a major portion of Fort Des Moines, Iowa, and afterwards constructed a major portion of Fort Douglas, Utah, and Fort Francis E. Warren, Wyoming, for the United States government.

For the past twenty-five years Mr. Atkinson has been engaged in engineering and contracting, having constructed various highways, dams and numerous engineering projects in that line. Among the most noteworthy of these was the building of Pardee dam for the City of Oakland, California. The Atkinson company has just recently completed the excavation work for the Bonneville lock and dam on the Columbia river, and at present are associated with Winston Bros. company in the construction of the Columbia river jetty at the mouth of the Columbia river.

Mr. Atkinson is an Easterner by birth, a Californian by adoption. His birthplace was a picturesque little town called Freeport, nestling in the hills of Pennsylvania. He left the East when quite young, going first to Iowa, then to Nebraska, Kansas and Colorado, and in 1906 moved to the Pacific coast, which he has called home ever since.

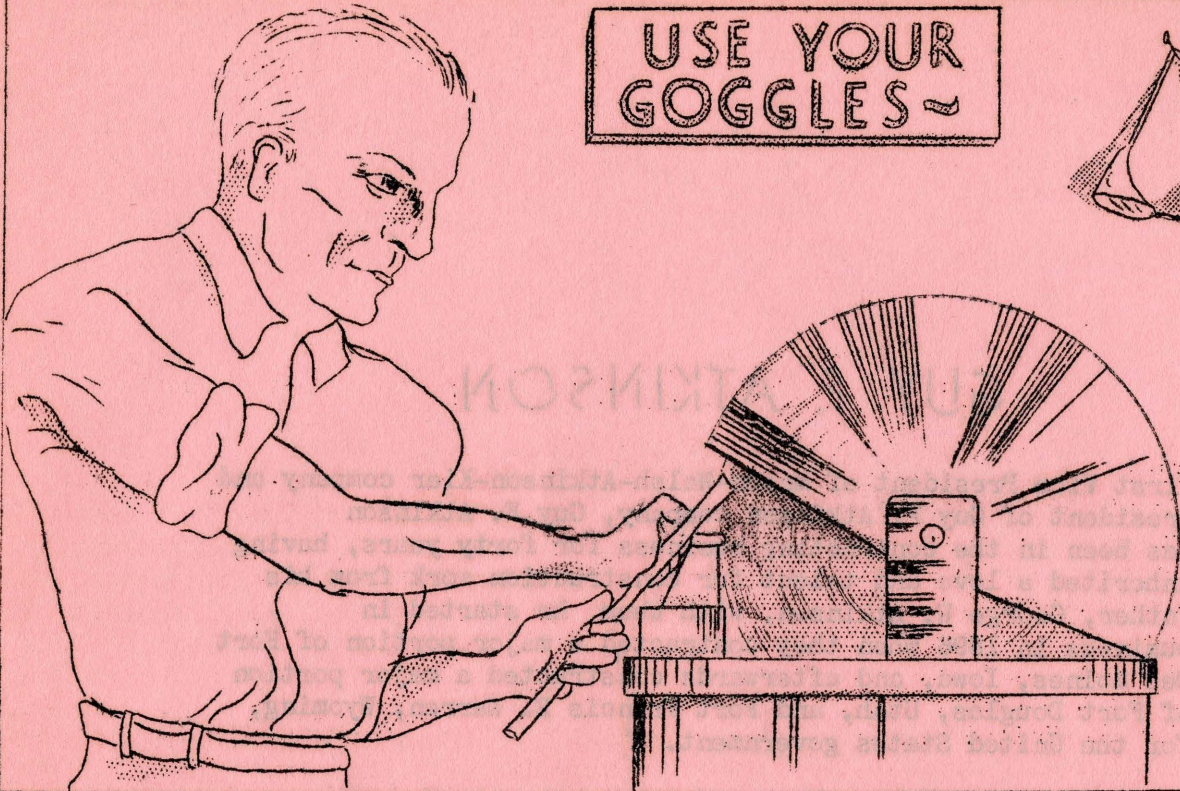
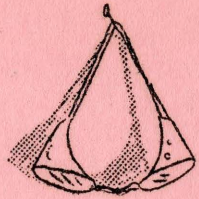
Mr. Atkinson admits no particular hobbies, but we know he thoroughly enjoys a good game of golf, loves to mount a horse and ride about the job, the town and the surrounding hills. And we know also that at his estate in Hillsboro, California, not far from San Francisco, there is a rose garden in which he is intensely interested.

His associates and friends know him as a man who will not grow old without a struggle; a man who loves life and what it offers him, a keen executive, a commanding figure, yet a gentle man.

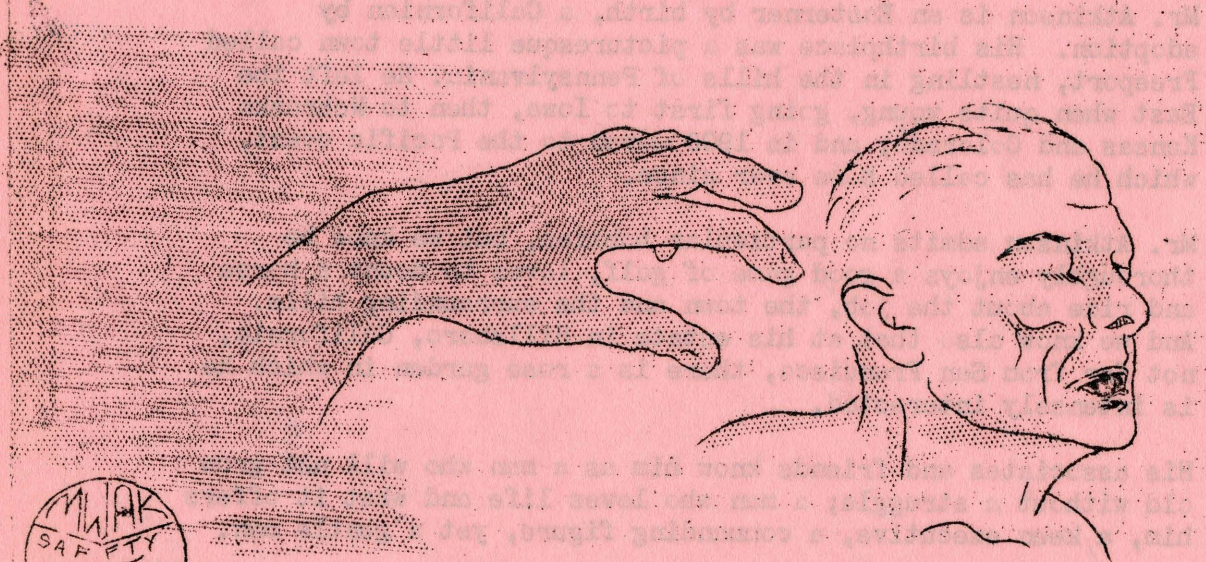




USE YOUR  
GOGGLES ~



THIS IS THE SHADOW  
OF BLINDNESS



8-20-35

Lindman



## SHAFT AND TUNNEL (Continued from Page 1)

50 per cent grade for 250 feet, and then shoots up vertically for 40 feet to daylight. This exit will be above the road, in the small gully towards the northern edge of the horse shoe-shaped area.

In all, nearly 1000 feet of tunnels have been driven, all in solid rock with the exception of less than 100 feet, in which timbering was necessary to keep the tunnel from caving in. These soft spots vary from 50 to 15 feet in length.

Practically all the rock is granite, ranging from material so hard the drills will hardly touch it, to disintegrated or decomposed granite, so soft it can be crumbled with the hands. Although the latter is soft, it is the bane of the drillers existence, since it packs and stops the action of the bits.

With flows varying from over a hundred gallons per minute, to three or four gallons per minute, four wells have been tapped by the shafts. During the past few weeks the flows have diminished, until there is very little drainage at present. It is indicative of the success of the plan that since the wells have been in operation, there has been practically no slippage of the earth above the granite.

Small mine cars are used to haul the materials out to the main vertical shaft where it is hauled out and dumped. The cars dump into a hopper just inside the opening of the drift from the main shaft. Pneumatic gates empty the rock into buckets in the main shaft.

The problem of angles in the horizontal drifts presented other difficulties. Because of the steepness of the slopes, cars could not be used, and yet the rock would not fall by itself, so scoop buckets were installed. They drag down the rock after each blast, place it in hoppers, which in turn dump into the cars.

On the average and depending on the materials encountered, each day will see

approximately 15 feet of tunnel driven. Where timbering is necessary, it naturally slows operations considerably.

Work on the shaft is in charge of Al Geiger. He is from New York, where he worked for years with one of the companies that did most of the subway and tunnel work for the city. He also worked on one of the huge aqueducts that supply the city with water.

Four shifts are used on the shaft and tunnel workings. These shifts are headed by Ray Baker, Al Geiger, Jr., Charlie Lybecker, and Mickey Burge. Each shift consists of ten or eleven men. There are two each of drill runners, chuck tenders, and laborers, and one each of powdermen, pumpmen, scraperhoist men, and the shaft hose man.

---O---  
DON'T LEAVE EXTENSION CORDS AROUND  
ON THE FLOOR WHILE WORKING---  
YOU MIGHT GET A JOLT.

---O---

A LITTLE NEGLECT

A little neglect may breed great mischief. For want of a nail, the shoe was lost; for want of a shoe the horse was lost; and for want of a horse, the rider was lost, being overtaken and slain by the enemy; all for the want of a little care about a horseshoe nail.

---Benjamin Franklin

---O---

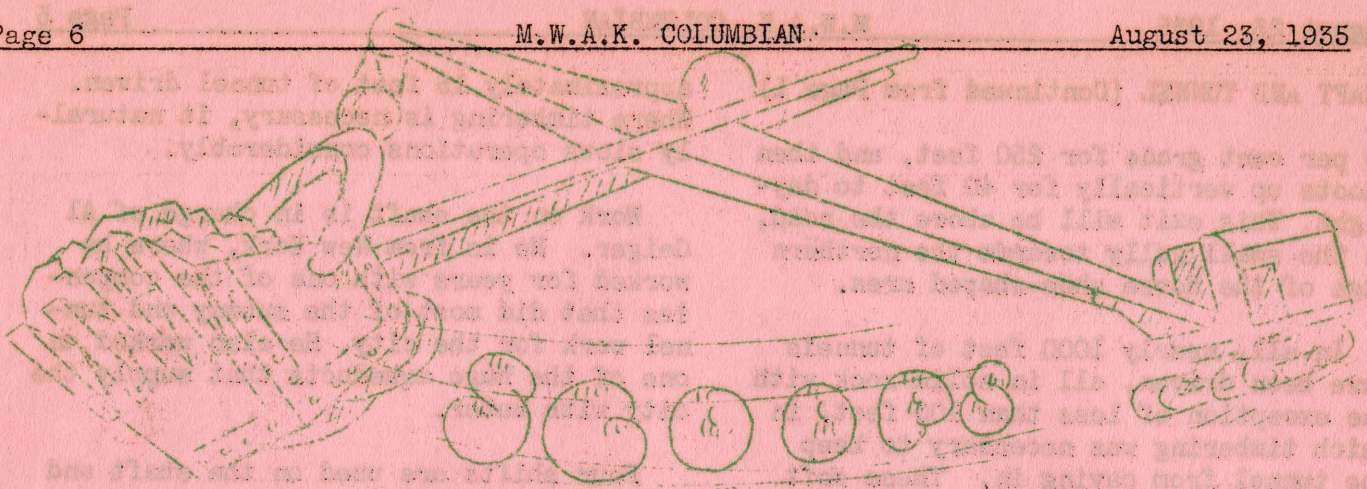
BOULDER DAM LAKE

The gates of this great lake were closed five months ago, and the water has already backed up 84 miles. It is 286 feet deep, and is holding 1,453,915,000,000 gallons of water. (Count 'em.)

The Assuan reservoir on the Nile River in Egypt, formerly the largest in the world, holds 1,322,995,000,000 gallons.

The total capacity of the Boulder reservoir, however, is seven times the present lake. Already deeper than Lake Erie, which has a maximum of 210 feet, the water of Boulder reservoir will be 582 feet deep.





She: They say a bachelor is a man who has been crossed in love.

He: (Under his breath): And a husband is one who has been double-crossed.

The ferry was only a few feet out from the dock when the commotion started in the crowd. A man rushed madly through the crowd, flung his grips aboard, and made a flying leap for the rail, and was pulled on deck just as he started to slip into the water.

"Boy" he panted, "Another second and I would have missed it."

"Missed it?" returned a passenger. "It is just coming in."

A wrench slipped out of a rigger's sheath, hurled through 50 feet of air, and bounced off a negro's head.

"Be careful," shouted the darky, "You almost made me bite my tongue."

Two Scotchmen were watching a soccer game; one had a bottle and the other only a thirst. The one with the bottle was talking a steady stream about the game, and helping himself to the bottle. Finally his friend said: "Weel, I notice ye're a fine dribbler, but ye're nae guid at passing."

The absent minded professor, his arms loaded with bundles, swung back and forth on the street car strap. The conductor came along and said: "Is there anything I can do for you, sir?"

"Yes," the professor replied, "Hold on this strap while I get my fare out."

Women can keep a secret just as well as men---only it takes more of them.

And on the other hand...

Man criticizes woman for her extravagance, but she never wastes two dollars worth of shotgun shells to get a twenty-five cent rabbit;

Nor goes into a restaurant for a twenty-five cent meal, and gives the waitress a two-bit tip just because she smiled;

Nor uses twenty gallons of gasoline in a chartered boat that costs twenty-five dollars, just to get where the fish can't be found.

Ed: I'm forgetting about women.

Red: So'm I. Which two shall we get?

Teacher: Johnny, define 'widow'.

Johnny: A widow is a woman who lived with her husband so long that he died.

"Teacher," asked the little boy, "Daddy wants you to come and help him help me with my arithmetic."

He: Have you ever kissed a man before?

She: Why. er..ah..yes.

He: Tell me his name so I can thrash him, the scoundrel.

She: But---but---he might be too many for you.

Stranger: In what direction does the village lie, my friend?"

Flagman: Most any direction, friend, but mostly about fishin', this time of the year.



# MASON CITY THEATRE

FRIDAY-SATURDAY

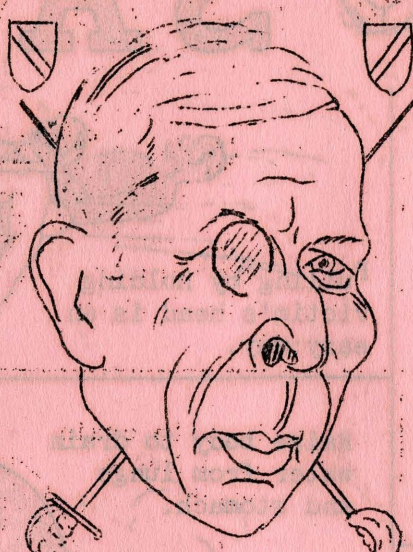
SUNDAY-MONDAY

WEDNESDAY-THURSDAY

**WEREWOLF OF LONDON**

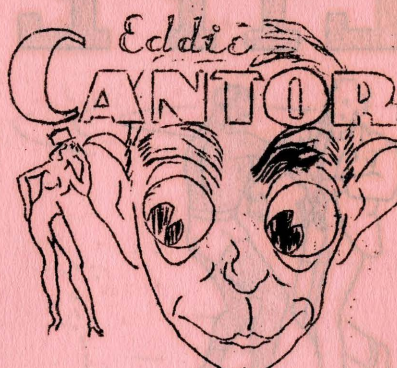


with  
**HENRY HULL**  
**WARNER OLAND**  
**VALERIE NOBSON**



**GEORGE ARLISS**  
in *The*  
**IRON DUKE**

**Eddie CANTOR**



**RETURNS**  
in his  
**GREATEST.**  
**WHOOPEE**

TUESDAY NIGHT---AMATEUR NIGHT--TEN DOLLARS FREE--AMATEUR NIGHT---TUESDAY NIGHT

## THE WEEK AT THE THEATRE

One of the "best horror pictures" of the year comes to Mason City Friday and Saturday, in Universal's "Werewolf of London," starring Henry Hull. Based on wierd legends, the story is particularly gripping for lovers of the eerie.

Everyone knows George Arliss, and the excellence of his plays. He comes Sunday and Monday in "The Iron Duke."

Popular acclaim has brought back Eddie "Eyes" Cantor, in the greatest picture, "Whoopie." More hit songs came from this spectacle than from any other musical comedy. This play is here on Wednesday and Thursday.

Tuesday night, as usual is Amateur Nite. Ten dollars cash prize to the winner.

## BOY SCOUTS BULLETIN

Boy Scouts of Troop 24, Mason City, held a Mystery meeting and Mystery hike Wednesday night. They met at the circle and were taken out of town in a truck. The eats were all on Mr. Morgan, and from what the boys say, they had a swell time.

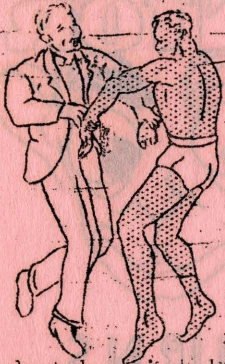
A general Scout Honor council will be held around September 1. All scouts are urged to earn merit badges by that time.

## HARGROVE GETS POST

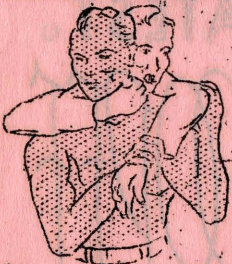
Jack Hargrove, MWAK architect, went to the Legion convention at Tacoma, intending to bring back the bacon, but came home with a ham! He campaigned for 9th district commander and was elected state vice-commander for the Eastern portion of the state, a higher post.



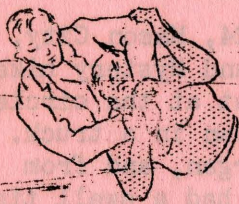
# LIFE SAVING



To break wrist hold--swing arm sharply toward his thumb and fingers.



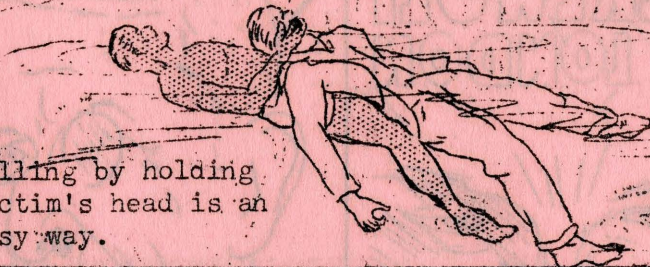
To get out of back strangle hold grasp his wrist, pull down, twist inward to lift elbow. Put your hand under his upper arm...



shove his elbow up, duck under his arm, slide around behind him, still holding wrists.

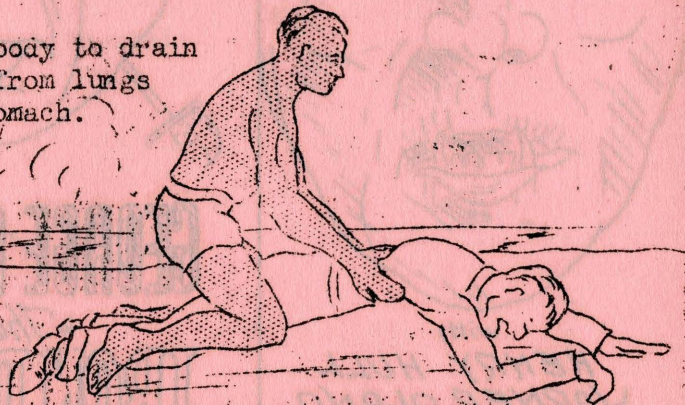


Erndman

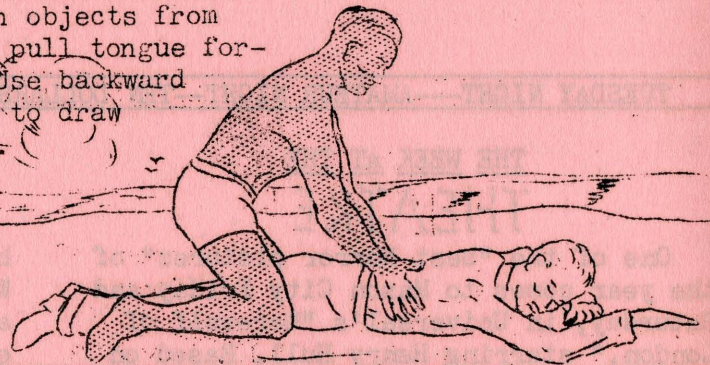


Pulling by holding victim's head is an easy way.

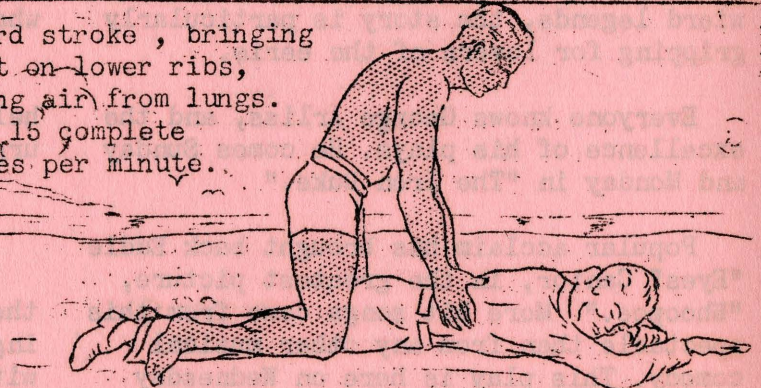
Raise body to drain water from lungs and stomach.



Place victim in this position. Remove all foreign objects from mouth, pull tongue forward. Use backward stroke to draw in air.

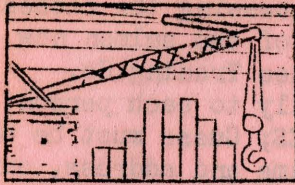


Forward stroke, bringing weight on lower ribs, forcing air from lungs. 12 to 15 complete strokes per minute.

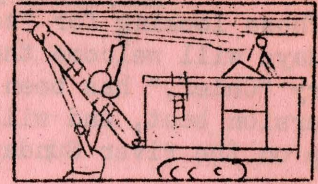


B-23-31





## AROUND THE DAM



### GOODFELLOWS LEAVING

The first excavation contractor ever to work on the project, the Goodfellow brothers, from Wenatchee, are leaving soon. These boys moved the first shovel of muck moved here, on a subcontract from David H. Ryan. Later, they gravelled the road from Grand Coulee to the dam, and dug basements in the government town, during the last few months they have been working on additional excavation for the MWAK. "We have never had a more pleasant connection than with the Mason group," the Goodfellows said.

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### SWING LAST BRIDGE STEEL

The two sections of the state highway bridge will be connected Saturday, according to officials of the J.H. Pomeroy Co. With Jack MacDonald in charge of all the steel work, the company has set exceptionally fast time in placing the steel on this job. Materials were furnished by the Pacific Car and Foundry plant at Renton, near Seattle.

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### NOTICE TO MASONS

All Masons, Eastern Stars, and their families are cordially invited to attend a pot-luck dinner at Park Lake Saturday, August 24. Dinner will be spread at 6 p.m. Coffee, lemonade and ice cream to be furnished by the Spade and Maul club. The park will be open at 2 p.m. (ed. Note: Park Lake is about ten miles below Coulee City in the lower coulee.)

### BEAVERS TAKE TIGERS

In one of the finest games seen in the Walsh stadium, the Mason City Beavers won 3 to 1 from the colored Detroit Tigers, when Slugger Evans tapped a long one over the fence for a circuit trip, scoring Hydom ahead of him. Don Osborne pitched for the local boys.

### DONKEY BASEBALLERS PLAY

One more game of Donkey baseball will be played Friday afternoon at 4:45 p.m. in Walsh stadium. The first game was a wow, and fans were treated to many rare sights. Some of the boys apparently are much better baseball players than they are riders.

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### POST SEASON SERIES

The MWAK Beavers will play a series of three games after the close of the second half, probably against Lewiston. Present plans call for two games at Lewiston, and one here, the Beavers say.

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### FREE DANCE

As an informal dedication of the new tennis courts in Mason City, the community club is sponsoring a free dance on the courts Saturday, August 24, at 9 p.m. A special orchestra from Mason City will furnish the music.

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### STATE PATROLMAN HURT

Wilbur "Andy" Anderson, local state patrolman, was severely injured Monday night when his motorcycle skidded out from under him near Almira.

Andy was taken to the hospital here, where he was found to have a fractured spine, and many other small cuts and bruises. He will be in the hospital possibly six months, according to Dr. Ross D. Wright, head of the hospital.

Arnold Hanger, treasurer of the MWAK, has gone on a short trip to the east. Guy F. Atkinson, who was also away for a short vacation, is back at his desk. John Kier has returned from a jaunt to Southern California.



EXCURSION BOAT

Those looking for "something to do" on Sundays will welcome the news that the ferry "Chief," has been converted into an excursion boat, and will make its first trip on the river Sunday, August 25.

The boat was built here about a year ago by the Tuttle Brothers, and operated back and forth, carrying much of the materials and equipment that went into Mason City. With the construction of the trestle bridge, there was no work for the boat, and Capt. F.J. Tuttle has converted it into an excursion ship.

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MOVING FIELD OFFICE

Work was started Wednesday of moving the field office to a new location some 200 feet north, where it will be out of the way of the excavation. The space to the south of the office has been cleared of debris and will be sloped away to the pit. The building will probably be moved Sunday.

---0---

FIGHTING FIRES

Use your head in fighting fires!!!

There is an extinguisher for each kind of fire, and they should be used that way.

SODA-ACID: conducts electricity; use on wood, paper, or where water can be used.

FOAM: conducts electricity; used for gasoline, oil, tar, paint or inflammable liquid or chemical fires.

FYR-FYTER: non-conductor; used for all classes including electrical fires.

PYRENE: non-conductor; used for all classes, including electrical fires.

USE THE RIGHT KIND!!

---0---

FISH WEIGHT CONTEST

One hundred dollars in merchandise

will be given away by Arnold Hanger, Saturday, to the person guessing the closest to the correct weight of the salmon now on display in the Coulee Trading Co.

Rules: One guess only to each person; Guess must be in OUNCES; Guess must be on form provided, with name and address, and deposited in suggestion box; contest open to all over 16 years of age; in case of ties, prize will be split equally; Contest ends 5:30 p.m. Saturday, August 24, when fish will be weighed.

Judges for the contest will be the following: H.L. Myer, J.O. Murray, and Dr. Ross D. Wright.

The fish, caught in the Straits of Juan de Fuca by Mr. Hanger, will be on display until that time in the Coulee Trading company. Try your hand at guessing its correct weight in ounces.

X-ray

X-ray

Drs. Albright and Beasley  
Dentists

Mason City Hospital  
North Wing  
Ground Floor

No Connection  
With Washington  
Hospital Ass'n.

MASON CITY

RECREATION HALL

The RECREATION CENTER of Mason City

Cards Cigarettes Candy  
Beer Pool  
Kodak Films Billiards Post Cards  
"You'll Meet All Your Friends Here"

MASON CITY

HOTEL

Tom Greenwood, Mgr.

Modern Prices Reasonable

SAFETY...is our slogan too!

Be Careful.....on the Job

Be Safe.....on the Road

Equip your car with U. S. Royals  
as competitive prices

MASON-CITY

SERVICE — STATION

Open Daily

Seven to Eleven



CHURCH NOTICES

**CATHOLIC CHURCH:**

On Sunday, August 25, mass will be said in St. Benedict's church, Mason City at 8 a.m. and at Grand Coulee, in the Grand Coulee school house at 10 a.m.

A meeting will be held in the church immediately after the eight o'clock mass, to form a men's society. Instructions for the children will be held on Saturdays at 10 a.m.

A. Farrelly, Pastor

COMMUNITY CHURCH

Services at the Mason City Community church will be held Sunday as follows: Sunday school, 9:45 a.m., Morning Worship, 11 a.m.; Young Peoples' meeting, 7:00 p.m.

Albert N. Park, Pastor.

---O---

SCOUT OFFICIALS MEET


A large banquet was held Tuesday night in Mason City with many officials of the Boy Scouts in attendance. Several state officers and heads of the group were present at the dinner, as well as local Scout officials.

---O---

In the interests of safety for men working high above the ground, the company has provided nearly 300 safety belts. These heavy belts are tested to many times an ordinary man's weight, and should be used in dangerous positions.

**EXPERT** AUTO ELECTRIC SERVICE

**UP-TO-DATE** BATTERY CHARGER

**TIRE REPAIRS** 

ALL NIGHT TOWING SERVICE

MASON CITY

Mort Lederer, Manager

SUSPENSION BRIDGE

The towers for the cable suspension bridge are shooting into the air, the one on the east side already up to the pivoting point, and the other coming fast. All cable necessary for the bridge is here ready to be strung across the river.

MASON CITY

Phone 72

**LAUNDRY**

Phone 72

DO YOU KNOW....

That each washing goes through from six to nine suds and rinses?

That only the mildest soap and washing supplies are used by us--much less injurious to fabrics than many of the preparations sold for home laundering?

That soap and hot water is one of the best disinfectants known, and that the surgeon considers the soap and water scrub the primary disinfectant for his hands before an operation?

That we wash your clothes at a temperature seldom reached by home laundering, except the fine silks and wools, which are gently cleansed with special mild soap at moderate temperatures.

For economy, for health's sake, for sanitary reasons, send your laundry to us. Your clothes will last longer.

"VISITORS ARE ALWAYS WELCOME"

DIAMONDS--Latest Bridal Sets, Stone Settings, Mountings

WATCHES--New ELGINS, HAMILTONS,

Fine Repairing

JEWELRY--Smart Fall Gifts

Artistic Engraving

FRED N. LUDWIG



JEWELER

OUR REPAIR DEPARTMENT with modern equipment will give you prompt and efficient service on any jewelry item.



# SIX REAL VALUES

## DRESS WASH PANTS

WHITE DUCK AND CRASH

IN GRAY AND TAN

BROKEN SIZES OF

REGULAR \$ 1.95

\$ 1.39

## KHAKI BREECHES

SANFORIZED PRE-SHRUNK

DOUBLE KNEE

LACE BOTTOM

\$ 1.49

## CARPENTERS OVERALLS

BLACK BEAR BRAND

DOUBLE QUILTED

FRONT

\$ 2.35

## MENS' SLACKS

GRAY AND TAN

MIXTURES---

WITH ZIPPERS

SPECIAL

\$ 4.95

## MENS' SHIRTS & SHORTS

25¢ each

## MENS' WORK SHOES

BLACK ELK

HEAVY COMPO SOLE

\$ 1.98

## MR. JEWETT - SCENIC ARTIST

Will be here in our store Friday and Saturday with scenic landscapes of the Northwest and the dam on display. Your favorite scene painted to your order.

# COULEE TRADING Co.