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### M.W.A.K. Columbian, Vol. 3, No. 46

Mason-Walsh-Atkinson-Kier Co.

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

MASON CITY WASHINGTON

Vol. 3 No. 46

M. Pete Shrauger--Editor Safety Engineer

Nov. 19, 1937

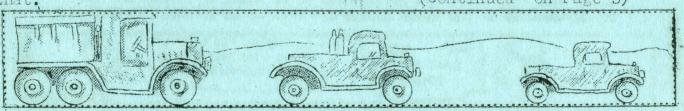
## BUILDING THE DAM WITH RUBBER-

Curing of concrete is of prime im- The larger air and steam opera-portance in building a dam and cook- ted tire mold is the largest made. ing becomes a necessity in the life. It is not the only mold of its of every workman. But whatever the size in the state, but it is rechoice of terminology, either curing aported to be the first. The mold or cooking also plays a vital part in will handle tires up to and inmaintaining the efficiency of 92 tire cluding the regular 13:50x24-inch equipped vehicles used in construct - tires first used on MWAK's larg - ing the Grand Coulee dam. Realizing est trucks. The statement, how-that very well are Art Garrett and ever, requires additional explanafive other employees for each of two shifts at the tire shop.

In the earliest days of excava - I common to the state of Washington. tion at the dam site by the HWAK, the bruised and broken tires were sent to Spokane or Wenatchee, Only tube re- made, but it is not quite large pairs were carried on here. But on lenough to handle the 13:50x24-in Aug. 17 of last year two tire wolds were installed. One was reputedly the first and largest tire mold for the Pacific Northwest. Its installa- same, they have about an inch and tion gave rise to the published ac- Wone-half added to the tread or acount by a construction maguzine that the tire shop was the most completely iply tires, costing hundreds equipped of any shop west of the Mis- Miollars each, were special-built sissippi river. The size of the mold for the job here and have treads tends to support the belief that for sectional repair work on tires, at least, this may be true for construct le such a tire, which weighs a ion scenes in the Pacific Northwest, . bout 330 pounds -- about 560 pounds and perhaps over a wider area than that.

lition and shows how, in another parliticular, the huge excavation totals required large equipment un-

The mold may be the largest lenough to Mandle the 13:50x24-inch tires used at the present time by MWAK's 12-yard trucks. though the listed size remains the bout 70 pounds of rubber. The 16three inches thick: This explains why the mold machine cannot handequipped and ready for placement (Continued on Page 5)



ret to find the machine

structure, rope, or cab-

, the mental capacity

should have. A bit

may to protect you.

however, it will

us, on Thanks -

give it half a

cross you.

ery will not go

## THANX TO SAFETY

Then four hunters went into the woods—a common thing for this time of the year—they sighted wild turkeys. The turkeys became a valuable addition to prolonging the lives of families facing starvation, and danger on every hand. The day became commemorated throughout the nation as Thanksgiving day.

Three hundred and sixteen years after those turkeys were shot, on next Thursday, 5,000 employees of the area—15,000 persons—will sit down to tables. Most of them will at least taste of some kind of foul, teme or wild.

That has been the practice for 316 years.

Through hardships that might have daunted the staunchest of hearts, those early pilgrims found that they had much to be thankful for. Danger for them lurked behind every tree. They didn't have to make an avowal of "Be Prepared", for everywhere sight and sound served as varnings of "Be Careful". They had a personal awareness of the need for care. It became second nature with them. And they were thankful.

Yet, in this mechanized world the dangers are multiplied, while too many accept the plissfulness of the mechanical and their ability, conscious or otherwise, always to control it. Carelessness usually slips up on them so much that they appear to accept the belief that they control the machine as much through mental telepathy as through physical action. In the sureness of the world today there is much need for a realization of how to play safe and to what extent you can rely upon the safe

A man has
today, or any
le that has
the human
of machinout of its
If you
chance,
not doub\*\*\*\*

Let

neighbor.

day, breathe a little thankfulness for the fact that we have escaped serious accidents thus far. That one breath will be of value in giving the axe to axe-i-dents on the Grand Coulee dam when we go to work the next day.

GEE-I GOT (I SUPPOSE I'LL GET)
LAID OFF
TODAY
NEXT THURSDAY

## 異発 CRYSTAL BALL 再要

SANDY YOUNG never believed he had a chance in the world to recover a watch he had lost, a gift from his mother, but he hadn't figured on-----RED PATTERSON, rigger who found and returned it, and who insisted, "You're a working man; I don't want your \$10." ZACK SCHOOLFIELD appreciates wagers paid off in pennies. The pleasure is longer in counting the 1100 he received Monday ... ---B. F. BENTLEY (excitedly), "It's a mighty duck!" Boom!--Friends put the victim on display. A snipe DAVE SLEE, of \$50-duck fame, went Johnny Weismuller in a nudist colony way for a duck recovery. He ended to his chilling nee to the plaudits of an expected femele gallery--------LEROY SNYDER, "This me to a couple days after her anniversary, but she is not old enough to go out westended, "----JACK CAMERON, "Yep, Roy to just decided to shove off. Now he's gone."-------EILEEN CORNELL, "The talked or says 'tis almost winter; just wait with I see a stray jacket hanging up Acre place!"----J. JACKSON-In his sleep he dreams, "She's from heaven, 'cause only migals come from there."------- JACK BURROUGHS blotted out the sun with shotgun shot last Sunday, but he only wasted the shot and his patience----WARNING SIGNS ARE PLACED TO POINT OUT DAN-CEROUS CONDITIONS FOR YOUR PROTECTION. TO OBSERVE THEM MAY SAVE YOU FROM INJURY. TO DISREGARD THEM MAY COST YOU YOUR LIFE. ------ J. M. COOK likes even Less the sound of, "\$100 and-"----PATROLMAN BILL KELLOGG, in shirt and trunks, has gone Adonis, while--------SERGEANT McGINN says, "I shall cling to the colors by being one of the gang who won't try to toss a big ball through a little ring."-----DON CAMERON, graveyard stripper, still finds it possible to market free-lance material. Some time ago his mystery story appeared in "Esquire". ----HARVEY EVANS, "I set as my goal the example of Booker T. Washington !"-----O. I. CRAFT'S weekly football stipend will not be forthcoming this week-end--000-

### A YEAR AGO

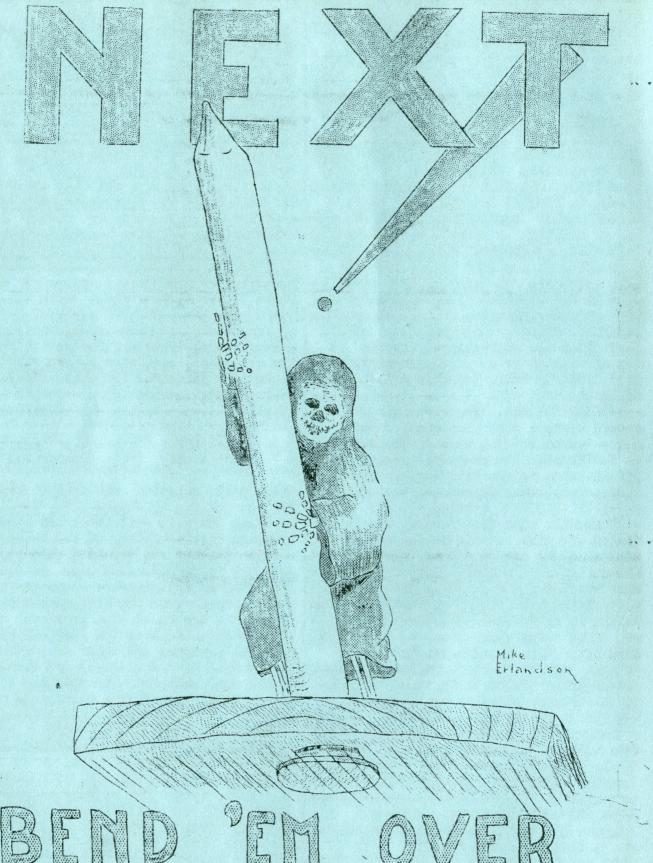
--- Average daily concrete placement the east side is 400 yards, to bring total to 2500 yards for the east side------ Pumping plant rock excavation two-thirds completed --- First grout is forced down into lowest bedrock in east side------- Highest scene for first concrete in dam ready for concrete at level 987 in block 81-A, more than 200 feet above lowest bedrock in the dam------- Order ton and a-half of turkey for THanksgiving-------- WAGE BARNES ARE NOT WAGE EARNERS WHEN THEY ARE INTO D

--Bureau of clamation engineers complete 20 per cart of their work out Ephrata on 1.200,000 acres of land to be irrigated --- Begin maid ration under Social Secur-1ty act --- Company conces employees should enticipate was laroff due to weather conditions-

## = 9000 % EMDS

luck——One horse power is equal to 746 watts
——James Buchanan was the only unmarried president of the United States——In 1936 for the U.S., 905 shipwrecks cost 86 lives; in 1920 the 1074 shipwrecks

took 551 lives, the Coast guard estimates
---The 58,245 miles of state highway in
North Carolina is highest amont the states.



BEND

## TI'RES (Continued from Page 1)

on a truck or on one of the 20 wheels of the huge, low trailer.

The special-built tires are worked upon when held in place by the tirespreader. Tires smaller than 10:50x24, also used in excavation. rest in a smaller mold. In these three holders the job of curing or "cooking" is carried on.

It is a 6-hour job, to cook the largest tires. The two stages, cooking and cooling, each require: 180 minutes each. Heavy bags of rubber-ized fabric perfectly shaped for an inside section of a tire are placed inside tires after patching has been done. The first stage involves the use of 70 younds of steam at a temperature of 281 degrees, nearly 70 above boiling temperature. For the second stage the power is shut and a pressure of 100 pounds of air is forced into the bag. The two stages give perfect form to the tires and hence prolong their life.

Results have been checked. Failure on repairs here have been only 2 per cent. This percentage applies to the 1,400 vulcanized repairs and the approximate 25,000 flats have been patched for the thousands of tires used on the Coulee dam. On some trucks, however, the original tubing is still in use, although it may not look quite the same; for tubes are in use with up to 60 patches on them.

Nearly 500 tires turn over on the ground each day for the MWAK. On the 12-yard trucks their life is about 90 days of three-shift operation; their mileage is only about half that for ordinary highway work, but the work and hours of operation are about equivalent to a year of operation. The tires are used until the tread is so badly worn or the tire, in other particulars, is so bad that the cost of upkeep warrants

no further use, and then they are discarded.

An example shows repair actually at work. A 15-ton truck carrying about nine tons of rock once pulled out of the east pit with new tires that had been used for only five hours. One tire blew out. After being repaired, the tire returned for 128 days of work.

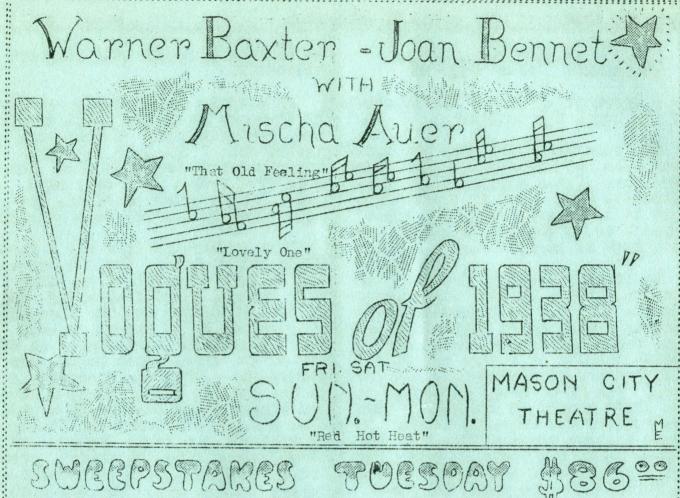
That particular tire had a spot 26x48 inches long. The job re quired knife removal of an area 7x18 inches, careful cleaning out of the old lining and the tire, and replacement by 16 layers of thin cord fabric -- the same number as the ply of the tire. Each layer was 1-inch wider than the preceding one. On the outside of the tire, a pure red rubber layer was placed to become the union between the 16-layer wall and the three inches of black vulcanizing rubber for the tread. Following use of the rub ber, a kind of tread was cut with a knife. After this came the curing job.

This is the general procedure for most tire repair. Ordinarily . about five pounds of vulcanize rubber or fabric is needed for a large tire. Each of the three kinds comes from a 25-pound roll. the heyday of excavation activity, the rolls were needed for about five tires daily, now about four.

Tires, commonly have taken the famed magnet for moving over the ground to bick up metallic bits , but not intentionally so. From one to 10 nails are usually imbedded in a tire, sometimes as many as 20. Other metallic pieces, such as bolts, now and then come in with tires also.

-000-YOU CAN BE THANKFUL THAT THE TIRE AND NOT YOUR FOOT PICKS UP MORE THAN ONE NAIL WHEN IT COMES IN TO ITS OWN "HOSPITAL"

-000-



RRPS TAMES

OESOAT

## MASP-SOSES ARE CHEAPER THAN PUNCTURES

-Shoe Repair Shop Recreation Hall Mason City

"We Are Glad that We Have Hotel Facilities that You Can Unhesitantly Recommend to Friends and Visitors"

-- Mason City Hotel

For Laundry work, phone 72 For Dental work, phone 69-R

Gifts of Appreciation and Distinction are Appropriate for the Coming Season --- You Cannot Go Wrong With Jewelry .... -- Fred N. Ludwig Mason City Jeweler

Your Automobile Is an Investment that Is Endangered by Wintry Seasons. Protect through Use of an anti freeze.....

Mason City Garage

CATHOLIC CHURCH-Father A. Farrelly, postor

On Sunday mass will be said at 9 c.m. in Grand Couled and at II a.m. in St. Benedict's church, Mason City. Instructions for children will be given Saturday norning.

COMUNITY CHURCH -- The Rev. W. W. Sloan. Ph. D., pastor

9:45 a.m. Church school

11:00 a.m. Morning worship; subject, THANKSGIVING

7:00 p.m. 'Vospor services

7:30 p.m. Tonight FRIDAY, vesper party

CHURCH OF JESUS CHRIST OF LATTER DAY SALVIS-R. E. Muttall, Branch President (In Mason City high school building)

10:30 a.m. Sunday School

11:15 a.m. Departmental works-for ults, juniors and primary

OSBORNE GOSPEL TABERNACLE Sunday morning service, 11:15 Sunday evening, evangelistic, 7:45 Prayer meetings Wednesdays and Fridays, at 7:45 p.m.

LINE UP BIG GAMES

Basketball stalwarts of the bureau of reclamation have several very prominent games peering at them from around the cornor.

Ellensburg Normal will appear Dec. 31. The nationally-famous Harlan Globe Trot ters will show, their wares after the turn of the year, and the House of David has asked for an open date.

The bureau can put out a starting five averaging over 6'2" in height. Mark Antoncich, former University of Washington varsity, is 6'5"; John Hall, Ellensburg normal varsity, 6'32"; Warron Boggess, formerly of San Mateo Junior college, 6'3" Robin Dickson, Chency Normal varsity, 6'2" and Chuck Prahl, University of Oregon frosh,

A promising prospect under the six-foot bar is Laurenson.

The season's opening game under consideration is a battle between the reclamation five and the MVAK Oilers. Last year's series was swept by the Oilers.

Candidates for the Oilers will hold the regular turnout Monday night.

-000-

SAFE VORKER DOESN'T HAVE TO HAVE FULL-COURSE TURKEY DINNER TO HAVE SOMETHING TO BE THANKFUL FOR ON THANKSGIVING DAY

ELECTRIC CITY UNION CHURCH LITERALLY 11:00 a.m. Sunday school Prayor meet-12:00 a.n. YUH. ing 6:30 p.m. Young people YOU'D GIMME A JOB 7:30 p.m. Bible study

LAYMEN'S GOSPEL HALL (Coulee Center)

-- Warren E. Hall, pastor

10:00 a.r. Bible school 11:00 a.m. Morning worship

7:00 p.m. Young poople

7:30 p.m. Evening worship

SEVENTH DAY ADVENTIST (In Electric City Union church)

Services are held every Saturday morning, followed by Bible study.

-000-

by Mike

PRE-DIX-SHUNS --by "BB" Heller

California over Stanford; Montana over Idaho; Washington over Oregon; O.S.C. over W.S.C.; Southern Methodist over U.C.L.A.

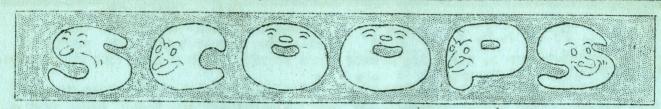
-000-

The minimum hourly wage scale set for the next contract is 60 conts.

-000-

The freezing temperature of 32 degrees Monday is the coldest thus far. The maximum for the day was 35 degrees.

-000-



A Japanese boy learning English is credited with the following thesis on the banana:

"The banana are great fruit. He are constructed in the same architectural style as sausage, different being skin of sausage are habitually consumed, while it is not advisable to eat wrappings of banana.

"The banana are held aloft while consuming, sausage are usually left in reclining position. Sausage depend for creation on human-being or stuffing machine, while banana are pristine product of honorable Mother Nature.

"In case of sausage both conclusions are attached to other sausage; banana, on other hands, are attached one end to stem and opposite termination entirely loose. Finally, banana are strictly of vegetable kingdem while affiliation of sausage often undecided."

-000-

A YOUNG LOS ANCELES MOTHER WAS ANNOYED BY PEEVISH BABY, BUT WHEN BABY SWALLOVED A SAFETY PIN, THAT GOT IN HER HEIR.

-000-

Art Brunstad: (indignantly): "Do You think it is fair, Sonny, after I told you there wasn't any Santa Claus, to go and tell the neighbors I laid your Easter eggs too?"

-000-

An employee here was telling us about self in a mirror. P his Christmas walking-tour in Scotland. a moment gazing at h Snow had fallen and he was struggling a- "Begora!" he said long a narrow road, when he met a Highland- woke the wrong man!" er.

"I guess, friend, I sure am lost!" he said, plaintively.

JOB IS NOT.

"Is there a reward out for ye?"
"Nope."

"Well, ye're still lost" old razor blades?"

THE ZOO IS THE PLACE
FOR MONKEY BUSINESS-THE

Under the spreading chestnut tree a truck and trailer stand; the driver an angry gent is he, with trouble on his hands. He tinkers with the spark plugs as the cause of all his woe and twists the carburetor too, but still it doesn't go. He monkeys with the manifold while cussing the darned machine. Then suddenly remembers that he's out of gasoline.

-000-

"Well, your wuship, she 'ad 'er back to me, the frying-pan was 'andy, and the back door was open, so I thought I'd take me chance."

-000-

THE ONE SOUND IN THE WORLD SADDER THAN A MOTH SOBBING IN A NUDIST COLONY IS THAT OF A CRICKET HUNTING FOR THE HEARTH IN A TRAILER.

-000-

Victim: "Your confounded hair restorer has made my hair come out worse than ever."

Claytor: "You must have put too much on. Made the hair come right out, instead of only half-way."

-000-

Two employees, one an Irishman and the other a colored man, were sleeping in the same room. During the night a practical joker blacked the Irishman's face.

Getting up in a hurry in the morning for work, the Irishman caught sight of himself in a mirror. Puzzled, he stood for a moment gazing at his reflection.

"Begora!" he said at length, "they've oke the wrong man!"

-000-

ACCIDENT -- A word used to excuse neglectto hide our weakness, ease our conscience and cover our failure.

-000-

"You say you've found a use for your old razor blades?"

"Wes, I stuffed a sofa pillow with them and gave it to my mother-in-law for a birthday present."

.-000-



Over-indulgence in anything, however valuable or tasteful at first, may become distasteful.

But it seems necessary to hit, and hit, and hit at one thing repeatedly and that happens to be nail injuries. Ambulance records show that nearly 40 per cent. of all calls for the past two weeks have been for nail punctures. While other injuries have dropped substantially in general, in-JURIES BY NAILS HAVE NOT.

We are aware that there are soveral explanations for this::: one being that cleanup naturally received more and more attention as areas for concrete placement become less and less, and that naturally there would be more nails exposed. There is the further explanation that weather conditions recently have not been of the best, with prolonged rains reaching even to flakes of snow tending to hide nails from the sight but not from the feet.

Such explanations, however, could only serve as an alibi. They cannot blind anyone to the fact that the time to bend or to pull out nails is at the time the nails collected. have finished with their duty on the dam, and not later, after they ve done their "dirty work" in somebody's foot. If nails were removed before, there would be none to penetrate feet, regardless of weather conditions.

The self-evident fact is that there ARE many nail injuries, and anyone who says you cannot expect to cut them down is definitely on the wrong foot before he ever touches a nail with his foot.

#### -000-

The slippery conditions attending the weather may have some contributions to make toward a slight rise in minor strains.

A simple remedy for some of these is to take time enough for a substantial foot-basketball games of the season against hold. Another is to ask for help when lifting very heavy weights.

#### -000-

CIVIL SERVICE EXAMINATIONS

Draftsman, and chief, principal, senior, and assistant draftsmen, \$1,620 to \$2,600. Optional branches are topographic and statistical; associate entomologist, junior scientific aid; senior steward, jun 500 barrels. ior steward, senior cook.

Information may be recieved from postoffice.

WHY LOSE ANY MORE?

Despite repeated advice to potential losers some petty thiovery continues.

As the result of complaints of having lost articles from losers, the police point out::

DO NOT LEAVE MUCH MONEY IN YOUR ROOM. ALWAYS CHECK ON ANYONE WHO ENTERS YOUR ROOM, REGARDLESS OF HIS EXPLANATION. OR ONE WHO KNOCKS AND THEN HAS A WEAK EXPLAN-ATTON.

NEVER LEAVE VALUABLES OF ANY KIND IN AN OPEN AUTOMOBILE, OR EVEN IN A CLOSED ONE, FOR THAT MATTER.

This advice comes from cases presented to MWAK police.

#### -000-

As the result of the removal of low trestle. five of the 18 dinkies use have been taken out of service. Trestle removal westward from the east power house reached block 40 yesterday.

#### -000-

OWNERS OF HORSES VINNING MASON CITY THEAtro "Sweepstakes"---

Mrs. Bud Quinn, Mason City, first, \$72

F. L. Winkel, second, and Gene Leamer, third.

#### -000-

Specifications for the next contract appeared last week.

Specifications for another important contract expected to appear anytime now are those for steel for the 18-foot-diameter penstocks.

#### -000-

LOST at post office (Mason City):: Black leather billfold. Reward. Don Wolfe. Return to safety department.

#### -000-

Mason City high school will send its first and second teams in their opening Wilbur high in the government gymnasium on Friday, Dec. 3.

#### -000-

"THE WORKMAN WHO TUMBLES TO HIMSELF SELDOM FALLS" Uncle Ezra

#### -0000

About 50 carloads of cement are being received daily now. This means about 11.

#### -0000

Only one C grout hole was left to drill Monday.

# MOUD STOCK TRADE

SIGHT



LIMBS





DMMADK



Every Time You Lose, Or Impain The Use Of One Of These-

TOUR STOCK GOES DOWN

BE CAREFUL!

Mike Enlandson

ARUMD, TRUE (DAM)

DAM READY FOR RIVER WATER

The Columbia river will move up against the downstream side of the dam, but not

before Sunday -- more likely Monday

A saw will cut through cribbing in the downstream cofferdam to admit a steady flow into the area between the cofferdam and the dam. The water will rise to river level at 940. All downstream concrete is above that mark.

Following this, the 525 cofferdam piling will be pulled, cribs shaken loose with blasting powder and together with an estimated 50,000 yards of fill be removed.

Flooding through the upstream cofferdam is farther removed in the future.

-000-

CLOSURE GATE CAN BE MOVED

With block 38 of the diversion channel completed last week, the two closure gates enclosing it on north and south ends can bid adieu to the block next week. The concreted block will have passed its curing period, and the gates will be transferred farther westward to either block 34 or 32 to finish its lifetime job.

THE SECOND PAIR OF CLOSURE GATES ALSO found that it had successfully kept the river out of a block when block 36 reached its contract height last Saturday.

-000-

. Somewhat less than an estimated 10,000 yards of rock excavation remain for the high east keyway where rock crows have worked down to a point only 50 feet higher in elevation than the peak elevation for concrete in the contract.

-0000-

AN AGE WHICH RECOGNIZES THE NECESSITY OF PROTECTING HUMAN LIFE.

The 50-foot gap of block 62, being narrowed down from the east side to 25 feet with concrete is for the temporary fish ladder. Concrete for the E-block in 62 for the fishway was placed Tuesday.

-000-

BORN at the Mason City hospital--Nov. 12, to Mr. and Mrs. M. L. Wheeler
of Mason City, a daughter

Nov. 15, to Mr. and Mrs. J. N. Giustino of Grand Coulee Heights, a son

Nov. 15, to Mr. and Mrs. Carl Webley of Electric City, a son

Nov. 17, to Mr. and Mrs. M. G. Foisy of Grand Coulee, a daughter.

-000-

During the height of concrete-placing operations, seven cranes were at work on the high trestle, five on the how. Now all the concrete-placing cranes are slated for the high trestle. The two whirleys finishing up low trestle dismantling are to move shortly.

-000-

M. H. Slocum, former job superintendent for the MWAK, arrived here Wednesday noon for a short business visit. He expected to leave last night.

-0000

THE BLOCK 40 CRIB, ABOUT 130 FEET HIGH, has nearly served its purpose and will be ready to be moved out.

As soon as downstream flood waters against concrete are stilled, the timber cells will be floated out and brought over to the east bank of the river. This will be in conjunction with removal from the west side toward the east of the downstream cofferdam.

-000000

TRY IT. ALWAYS A VERY GOOD RECIPETRY IT.

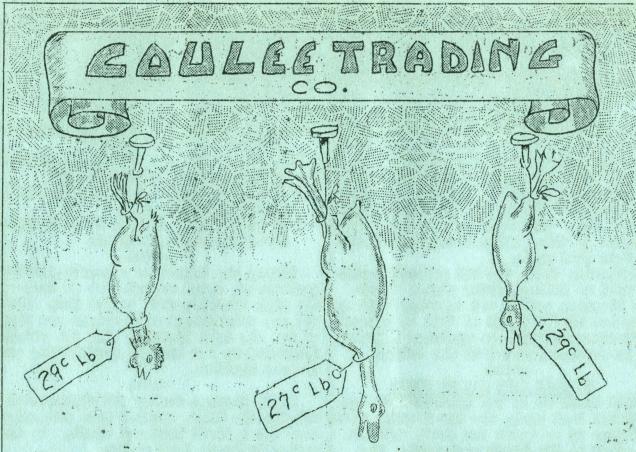
-000-

During the past week, concrete placement east of block 40 has shifted away from the spillway section. About 15 pours are being made daily on blocks near the abutment.

Concrete on the west side concentrates largely upon the low blocks of 13, 15 and 17.

-000-

Company rock excavation approximates 1,130,000 yards.



PORK ROAST 142° SWISS STEAK 19°
RUMPROAST 17°

Round Steak 25 Sirloin Steak 25

Pure Pork Sausage 23<sup>‡</sup>
Rib Steak 25<sup>‡</sup> Pork Steak 21<sup>‡</sup>
Pork Chops 27<sup>‡</sup> Graund Beef 15<sup>‡</sup>

Prime Turkeys

31 - 33 CLB.

PRICES SUBJECT TO CHANGE

Exlandson