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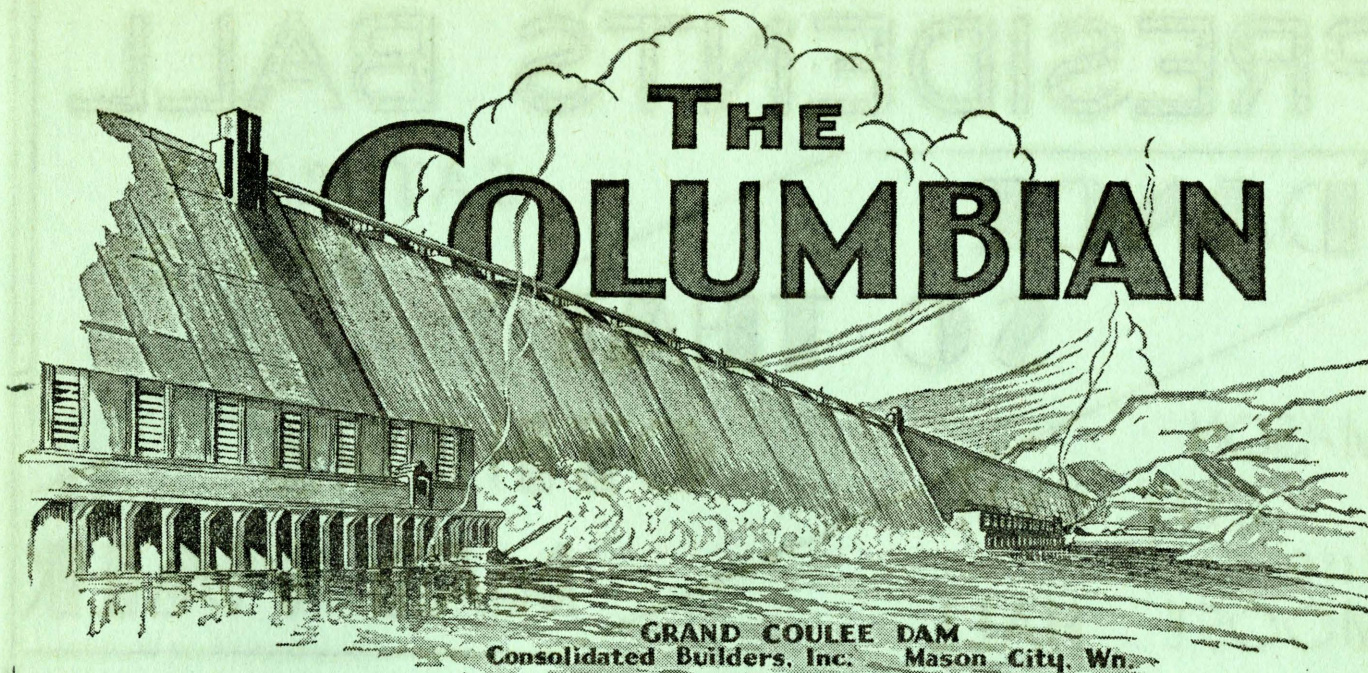
Consolidated Builders

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Vol. 5 No. 2

January 26, 1939

675 MILES OF FREIGHT FOR COULEE DAM

Ripley copyrighted his "Believe It or Not", but here is a paragraph that does not come from Ripley--

Problem: Suppose you were in an automobile at a crossing waiting for a series of trains to pass by carrying all the tonnage to be represented in work at Grand Coulee dam. Assuming that 50-car freights traveled at 25 miles an hour, how long would you have to wait before crossing the track? How long would you have to wait for tonnage that has been brought in up to the present time?

Answers: 27 hours; 12 hours.

The length of the first series of trains represents a distance nearly equal to that from Portland to San Francisco. The second, from Spokane to Portland.

These conclusions can be checked mathematically. They are derived from figures compiled by the Northern Pacific railway and the contractors up to the first of the present year and include known quantities that will arrive in the future. References do not include truck shipments, which would

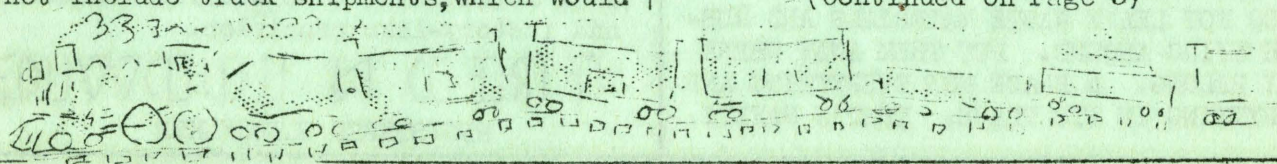
add 10 per cent to mass totals.

Thirty thousand cars have been received at Odair, 31 miles away, and brought on down to the dam, railroad reports show. Twenty-five thousand of these have been cement, representing 1,125,000 tons. Steel has required about 3500 cars, lumber 1500.

And yet the grand total to date represents only about 45 per cent of cars scheduled to arrive before completion of the dam. From railroad calculations approximately 66,000 carloads will come down by rail for the building of Grand Coulee dam. Assuming 50 cars per trainload, this would require over 1300 engines to draw 675 miles of train. **Five** hundred and fifty miles would represent cement.

Train totals include everything hauled by rail for both the Bureau of Reclamation and contractors. The vast bulk of the shipments have been purchases by the government of materials entering into the permanent works, such as cement, lumber (not including lumber for forms), reinforcing steel, pipe, gates, valves, ma-

(Continued on Page 3)



PRESIDENTS' BALL

DANCE

SATURDAY

JAN 28

SO THAT

MASON
CITY GYM

OTHERS

ALSO
MOOSE HALL

MAY WALK

Note: Tickets provide admission to either dance. Finances go to the Warm Springs' foundation for the prevention of infantile paralysis.

REMEMBER THE WELL BABY CLINIC THIS MORNING. (THURSDAY) AT MASON CITY COMMUNITY CHURCH.

In spite of ground bereft of snow, the thermometer dropped as low as 20 degrees (Jan. 23). The average daily maximum for a week is 38 degrees.

The "Greasy Mary" clamming at the island downstream from the dam is not Coulee Dam's original Greasy Mary. It is Mary the Second.

Stamp sales and box rental at Mason City post office reached \$15,735 for the year 1938.

The present waterfall through the spillway, is 43 feet high.

DO NOT PERMIT AIR TO REACH A BURNED SURFACE.

Specifications list five big cranes for the completed dam: two 375-ton, one 150-ton traveler, one 20-ton gantry over draft tubes in the left power house and one 150-ton crane over the dam.

If it's the woman who pays it's because she's the only one at home when the bill collectors call.

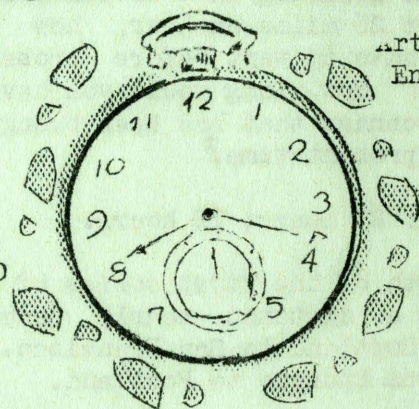
The largest shovel dipper in use here has two-thirds the capacity of the largest excavation truck.

DO NOT LEAVE WASTE MATERIALS AND RUBBISH LYING AROUND. PUT THEM AWAY WHERE THEY BELONG. A PLACE FOR EVERYTHING AND EVERYTHING IN ITS PLACE. THAT'S SAFETY.

They're working on a new invention---- some kind of a contraption that will lift a tired business man's feet to the top of his desk so he won't have to use his own energy.

DON'T WALK IN CIRCLES.....
guessing what time it is

ALL
WORK
GUAR-
ANTEED



Artistic
Engraving-
Stone
Setting
Jewelry
Repairing

Take your watch to FRED N. LUDWIG, the Mason City jeweler, and have it properly adjusted.

Whether it may need only regulating, a crystal, or a complete repair job, it will receive the same careful attention and factory-like precision.

FRED N LUDWIG

REGISTERED WATCHMAKER

675 MILES OF FREIGHT FOR COULEE DAM

(Continued from Page 1)

chinery, structural steel and the like. Equipment, materials and supplies for the construction plant and camp and in the incidental operations of the contractor are purchased by CBI.

While local interest may center upon the 31 miles from Odair to the damsite, a behind-the-scenes story is nevertheless suggested. Visually Odair is little more than a jumping-off place; actually it is a kind of conveyor feeder with a network of thousands and thousands of miles of steel rails acting as laterals leading into it. Forty of the states of the Union have furnished over \$38,000,000 worth of equipment, materials and supplies that represent the tonnage received at the dam. From coast to coast--Maine, New Jersey, Florida, Texas, California.... Well-beaten lines of traffic--principally Washington, but also California, Illinois, Indiana, Ohio, Pennsylvania, New York and Alabama... Shining lines of parallel steel for slow freights, streamliners.....

Odair, located $1\frac{1}{4}$ miles off the main line at Coulee City, was established by the Northern Pacific four years ago shortly after work began on the dam. It cannot boast of being any metropolitan center. Its principal features consist of several outfitting cars, a shed acting as a garage, a water tank and a siding.

The railway system to the damsite was built by David H. Ryan and operated first by MWAK and now by CBI. The first official train passed over the system with Governor Clarence D. Martin at the throttle July 29, 1935. Seventy-five notables of the

state were aboard. This is the only time the 135-ton engine has acted as a passenger locomotive.

Ordinarily the locomotive operates daily between Odair and the railroad yard at Electric City, sometimes twice daily, and during slack periods such as now, twice a week. An 80-ton shay usually has carried on for the five miles of track between Electric City and the government warehouse. Dropping down to the warehouse, the track has a 5 per cent grade and two switchbacks.

Electric City yards, 4000 feet by 200 feet, are storage yards with three lines of track for mass steel and unusually large pipe. Most other materials go to the government warehouse, with the exception of cement which is spotted at the cement siding. Until the counter-balance skip was completed last fall leading down to the construction trestle, no railroad car had ever crossed the Columbia river at the damsite. Now standard size railroad cars are no longer strange sights on the east side of the Columbia.

Cement shipments to the silos reached up to 60 cars a day last November, the busiest railroad month of 1938 with 60,000 tons recorded, of which 55,000 tons were cement (over 1200 cars, daily average of 40). Northern Pacific records show nearly 190,000 tons received for the last four months of 1938, or over 4000 cars.

A suggestion of what arrives at the damsite by rail for indicated months of 1938 can be seen from the chart below. Figures listed are for tons, not pounds.

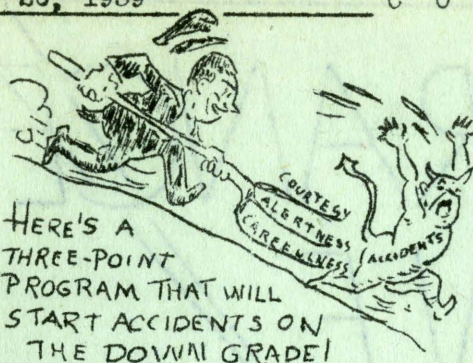
Item	September	October	November	December	Total	Total (carloads)
Cement	25,376	45,122	55,468	41,594	167,560	3720
Lumber	723	1,511	303	588	3,125	50
Steel	4,440	4,922	3,465	2,304	15,131	300
Machinery	273	-----	526	266	1,065	35
Explosives	22	-----	60	-----	82	2
Pipe	195	390	95	164	844	17
Copper	41	34	-----	-----	75	2
Asphalt	100	63	-----	-----	163	4
Cinders	79	40	-----	-----	119	3
Mdse.	97	310	150	35	592	11
Coal	-----	31	-----	-----	31	1
Cork	-----	33	-----	-----	33	2
Oil	-----	-----	40	78	118	3
Belt	-----	-----	-----	40	40	1
	31,346	52,456	60,107	45,069	188,978	4151

CARELESSNESS
HAS PUT
MANY A GUY
IN THE
DOG HOUSE



Mark W. ...

Mark W. ...



HERE'S A
THREE-POINT
PROGRAM THAT WILL
START ACCIDENTS ON
THE DOWNHILL GRADE!

---EARL PEABODY musta gotta little bit lonesome. Crossed 'em up and brought a wife back from the Coast and she set up housekeeping for him in Elmerton.

---When BILL KELLOGG adds a husband's cowl or cape on Lincoln's birthday, will that hamper a state patrolman from giving orders?

---BRAD DOOLEY is booked to be single only a while longer.

---And FREDDIE FREDERICKSON is slated to adopt an interest other than basketball. It'll seem funny to say "Mr. and Mrs." to him.

---CARL PHILLIPS ditto, ditto.

---JUST BECAUSE THEY ARE WILLING TO TAKE A CHANCE, DOESN'T JUSTIFY YOUR TAKING A CHANCE WITH AN ACCIDENT.

---The red, white and blue that waves over Old Glory were no more pronounced than those over the faces of DON PAXTON and JEANNE LEWELLEN at a recent dance with its feature song of "Here Comes the Bride" and its congratulations. Their "no-no's" were drowned out.

---Tyro BOB RICE somehow stopped the strange capers of his airplane as it "sewed" a fog blanket a few days ago.

---Goodbye, Bess Slater, one of the oldest in terms of service for contractors at the Damsite.

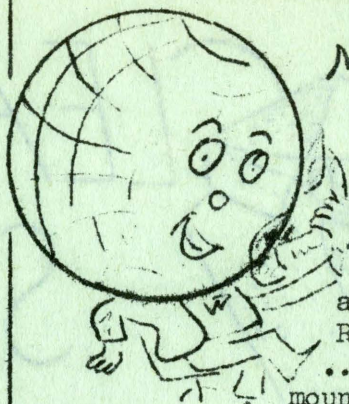
---And through the air went DR. SIDNEY GARFIELD to vacation in Miami.

---Among vacationists: BOB NIEMANS and T. F. STANLEYS in Middle West; BILL MOUAT in Montana; KEN CROSIERS in Seattle; LORIN WHEELER, Nebraska; D. C. PEACOCK, RAY BELDING, California; MASON LAND, Spokane, Seattle; JIM DOYLE, Seattle; AL TESBERG, San Francisco; ad infinitum--

---FRANK ZIMMERMAN is touring part of old Mexico in a new Buick.

---DON'T KID YOURSELF INTO BELIEVING YOU CANNOT FALL DOWN ON LEVEL PLACES. WATCH OUT ON SNOW OR FROST-COVERED GROUND OR WALKWAYS.

---"GRAND SLAM" FRANK STEWART, expert on bowling, does say that he threw a grand slam.



MEBBE YOU

DIDN'T KNOW
BUT ---

according to Bureau of
Reclamation information
...The dam will be sur-
mounted by a 30-foot high-

way....

When it is finished it will occupy more space than the entire population of the United States....

The quantity of concrete in the completed structure would build a 20-foot pavement about a quarter of the way around the earth.....

The cement used, ground into particles less than one four-hundredth of an inch in size, will expose a surface of over 150,000 square miles, an area more than that of the State of Pennsylvania.....

The reservoir behind the dam will have a total capacity nearly equal to a 10-year supply for all purposes for the city of New York.....

Through seven of the Grand Coulee turbines will pass sufficient water to take care of the requirements of the entire population of the United States at 150 gallons per person per day....

(One thing about safety is that you don't have to be told in order to know that you can't get along without it.)

Each pump for the pumping plant would be able to take care of the domestic water requirements of nearly seven million people.....

The 60 outlet conduits will have a combined length of about $2\frac{1}{2}$ miles.....

Grouting pressures in deep holes may reach up to 1000 pounds per square inch...

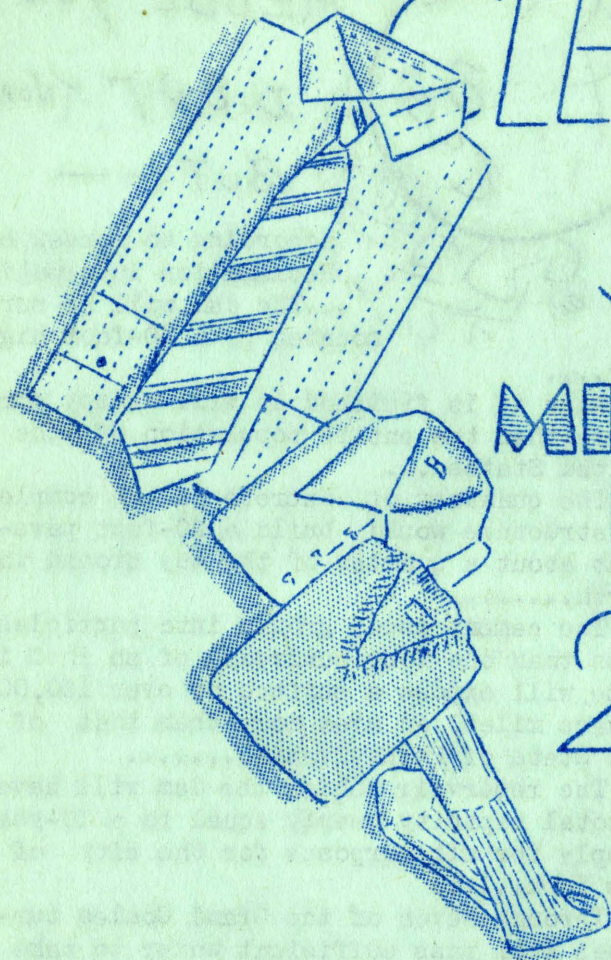
Excavation on and adjacent to the dam site will exceed 22 million yards.....

The cooling water circulated through the dam will carry away heat in excess of that liberated in burning 30,000 tons of coal.....

Shrinkage of concrete aggregates about eight inches in the length of the dam...

Galleries in the dam will aggregate about eight miles....

(IT IS EQUALLY TRUE THAT WE MUST THINK OF OUR FAMILIES BEFORE TAKING ANY KIND OF RISK)



CLEARANCE SALE!

MEN'S FURNISHINGS

20 % OFF

SCOOP!

SPECIAL PURCHASE
WOMENS VELVET DRESSES
LIMITED SUPPLY
\$5 ⁹⁵/₁₀₀



MASON CITY STORES

CHURCH

CATHOLIC CHURCH--Father A. Farrelly, pastor

9:00 a.m. Mass, Mason City

11:00 a.m. Mass, Grand Coulee

COMMUNITY CHURCH--Rev. D. E. Peterson,
Minister

9:45 a.m. Sunday School

11:00 a.m. Morning Worship

7:30 p.m. Vespers

CHURCH OF JESUS CHRIST OF LATTER DAY
SAINTS--R.E. Nuttall, Branch President (in
Mason City high school)

10:30 a.m. Opening exercises

11:15 a.m. Departmental works

ELECTRIC CITY UNION CHURCH--Rev. C. Carlson,
Pastor

10:00 a.m. Sunday School, Mrs. William
Teeters, superintendent

11:00 a.m. Morning worship

8:00 p.m. Christian endeavor

GRAND COULEE COMMUNITY CHURCH--E. C. Wood,
Pastor

9:45 a.m. Church School

11:00 a.m. Morning Worship

6:30 p.m. United Youth group

6:30 p.m. Intermediate group

7:30 p.m. Evening service

SEVENTH DAY ADVENTIST (in Full Gospel
Mission, Grand Coulee, Saturday)

9:45 a.m. Sabbath School

11:00 a.m. Bible study

OSBORNE GOSPEL TABERNACLE

10:00 a.m. Sunday School

11:00 a.m. Morning services

7:30 p.m. Evening services

ZION LUTHERAN CHURCH--Grand Coulee Heights,

--E. F. Muhly, Pastor

10:00 a.m. Sunday School

11:00 a.m. Divine Services

"FAREWELL, FRIENDS"

"We wish you to say goodbye for us to our many friends we were unable to see before we left," said Mr. and Mrs. Charles J. Pennock, who recently left for "points south."

Mr. and Mrs. Pennock had resided at the dam for more than four years. Charles was general labor superintendent for MWAK.

20 MILES OF CORK

Cork on a fish line or cork in a bottle--

Either is familiar, but what would the 108,719 feet of cork received by the Bureau of Reclamation to date have to do with one or the other? Nothing.

Sheets of cork three feet long and one foot wide arrived in two shipments and are being used in power house walls to enclose all units above elevation 948. The sheets are to absorb vibration and to prevent expansion of power house joints. Cork is in two thicknesses, one-inch and one-half inch, and totals 108,719 square feet.

FORTY TONS OF TRANSFORMERS

East of the CBI administration building the foundations are ready for an important addition to the main electrical substation.

Scheduled for shipment on Feb. 3 from the East are two 3333 kilowatt transformers. The two will be tied up with the unused spare at the substation to form a second bank of transformers which will double the capacity of the station. The rated capacity will be 20,000 kilowatts.

Installation of the second bank is to prevent any chance of transformers burning up from a possible overload when the gravel plant and concreting are in heavy operation.

Each of the new transformers weigh 20 tons.

THIS IS IMPORTANT--KEEP YOUR HANDS
WARM IN WINTER AND YOU'LL AVOID MANY ACCIDENTS.

Civil Service Examinations-----

Topographic draftsman, and chief, principal, senior and assistant topographic draftsmen; wildlife biologist; principal informational representative, department of labor; link trainer operator-instructor, Civil Aeronautics Authority; associate aircraft inspector; scientific aid (graphic arts); assistant wool technologist; senior field representative, department of labor.

----Mason City Post Office

Advertisement in a certain newspaper::

"Auctioneering is my special line of business. Prices very reasonable. If I am out arrange dates with my wife."

It's the fellow who needs advice himself who hands it out to everybody else.

WORTH A TRIAL

Take a look at the man with a bandage, the cripple, the man with a scar. Recall how fatal someone's misstep--possibly your own--might have been. It's a good idea to think of such things now and then; otherwise memory will play a bad trick or two by leading to forgetfulness.

If a man has not habituated himself to the safety way of thinking, he ought to rock himself into sensibility by deliberately making it a point to think about accidents. It may not be pleasant, but it is of vast importance because it concerns the saving of lives.

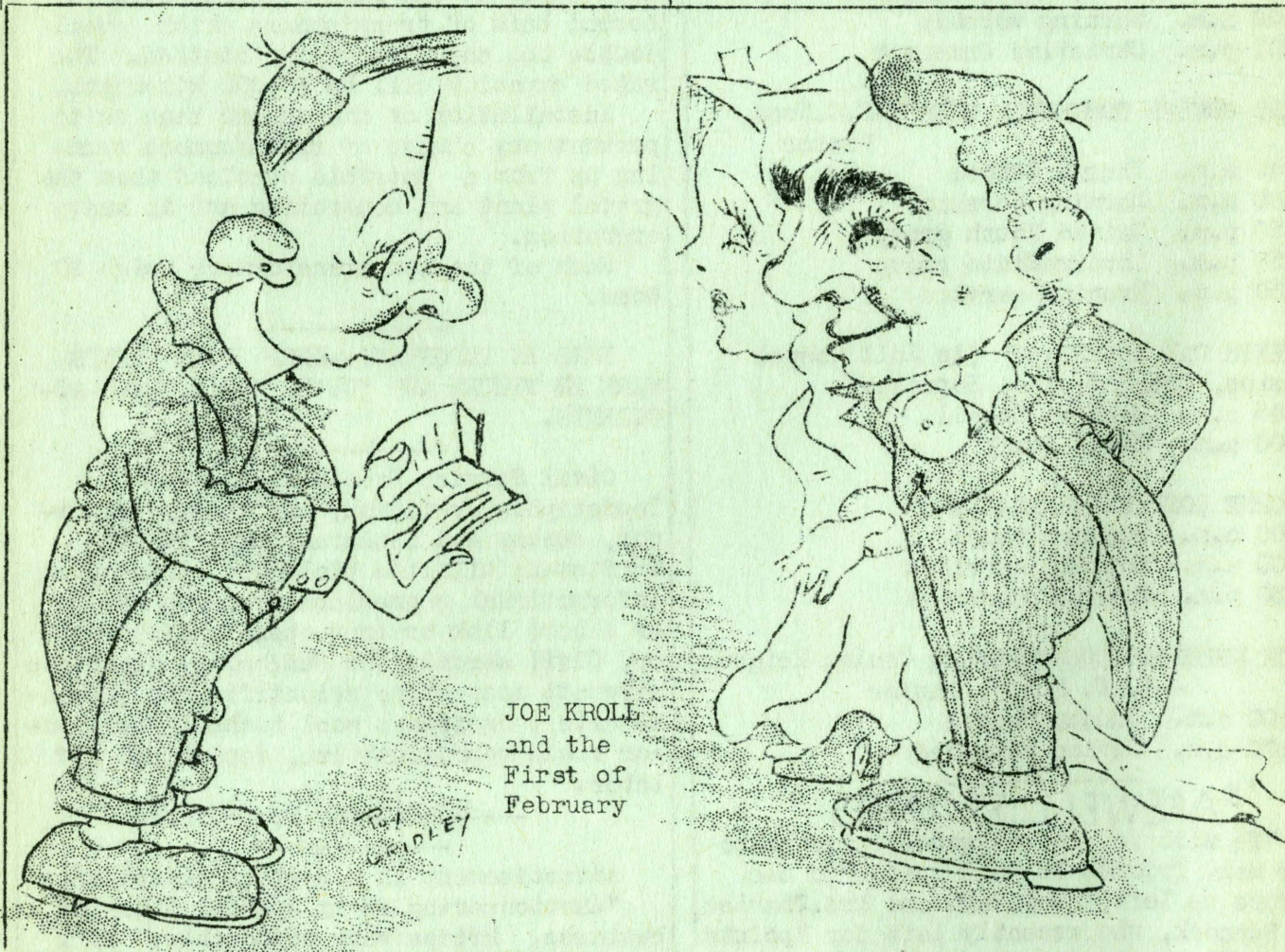
Then let him think on how accidents happened, how they might have been prevented. He's on the way to being a safe man!

The doorstep to the temple of wisdom is knowledge of our own ignorance.

--Spurgeon

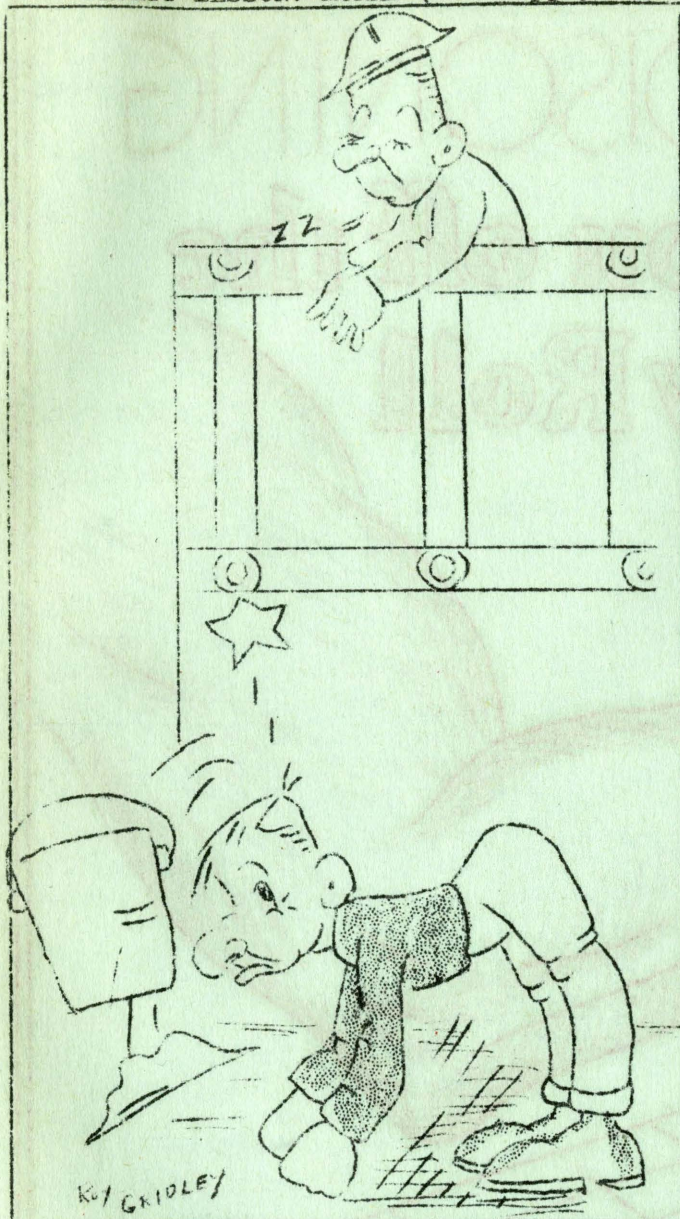
BORN—

at Mason City hospital
Jan. 19, to Mr. and Mrs. A. J. Kelstrup,
Grand Coulee Heights, a daughter.
Jan. 17, to Mr. and Mrs. L. C. Jamieson,
Elmerton, a daughter.
Jan. 17, to Mr. and Mrs. Frederick J.
Powers, Electric City, a daughter.
Jan. 16, to Mr. and Mrs. Philip F. Nourse,
Grand Coulee, a son.
Jan. 15, to Mr. and Mrs. L. E. Holley,
Coulee Center, a daughter.
Jan. 12, to Mr. and Mrs. Lynn Poindexter,
Delano, a daughter.
Jan. 11, to Mr. and Mrs. W. H. Brewster,
Coulee Center, a daughter.
Jan. 10, to Mr. and Mrs. A. J. Hoffert,
Osborne, a daughter.
Jan. 10, to Mr. and Mrs. Charles Lovel,
Grand Coulee, a daughter.
Jan. 10, to Mr. and Mrs. N. G. Thompson,
Grand Coulee, a son.
Jan. 8, to Mr. and Mrs. Ray S. Peterson,
Electric City, a son.



"Multiple births are more frequent in larger families," declares a statistician. It's mighty hard to fool a statistician. ... A corset is like an ash cart because it goes around gathering up the waist.....

SAFETY LESSON: MORAL (You supply it)



Recent Coulee Dam score: Wenatchee 40, Coulee Dam 25.

COMMUNITY LEAGUE (Schedule)

Tonight (Thursday) beginning at 7:30 and in order: Transportation vs. Frye's Mixers, Dutch Cross vs. Mythical Six, and Grand Coulee vs. Grand Coulee Midgets.

Feb. 2, Transportation vs. Mythical Six, Dutch Cross vs. USBR Administration, Frye's Mixers vs. Grand Coulee Midgets.

Feb. 9, Transportation vs. Grand Coulee, Dutch Cross vs. Frye's Mixers, USBR vs. Grand Coulee Midgets.

Results of first games: Dutch Cross 24, Transportation 16; Frye's Mixers 21, Mythical Six 18; USBR 21, Grand Coulee 17.

BEAVERS FACE THREAT TO IMPRESSIVE RECORD

Unbeaten on their home floor and yet facing one of two teams that have given them the short end of a score away from home---

That is the situation tomorrow night (Friday) in the Mason City gymnasium as the local high school seeks its tenth victory in 12 starts with Waterville the proposed victim. Waterville had edged Mason City out in two over-time periods early in the season.

The Mason City high school seconds, winning nine of 10 games, are keeping pace with the firsts.

Remember These Local Dates

Friday, Feb. 3, Nespelem high school
Tuesday, Feb. 7, Hartline high school

Note: The scheduled battle between Grand Coulee and Mason City has been postponed from Jan. 31 to Feb. 18.

Recent scores: (first teams) Mason City 52, Almira 29; Mason City 39, Oroville 26; Mason City 39, Nespelem 25.

(Seconds) Mason City 21, Almira 11; Mason City 41, Oroville 27; Mason City 33, Nespelem 14.

BEARDED ACES; HARLEM

COULEE DAM "RED DEVILS" (Home Games)

Saturday, Feb. 4, Whitworth college varsity from Spokane.

Thursday, Feb. 9, the nationally-known Bearded Aces.

Saturday, Feb. 11, the all-famous Harlem Globe Trotters.

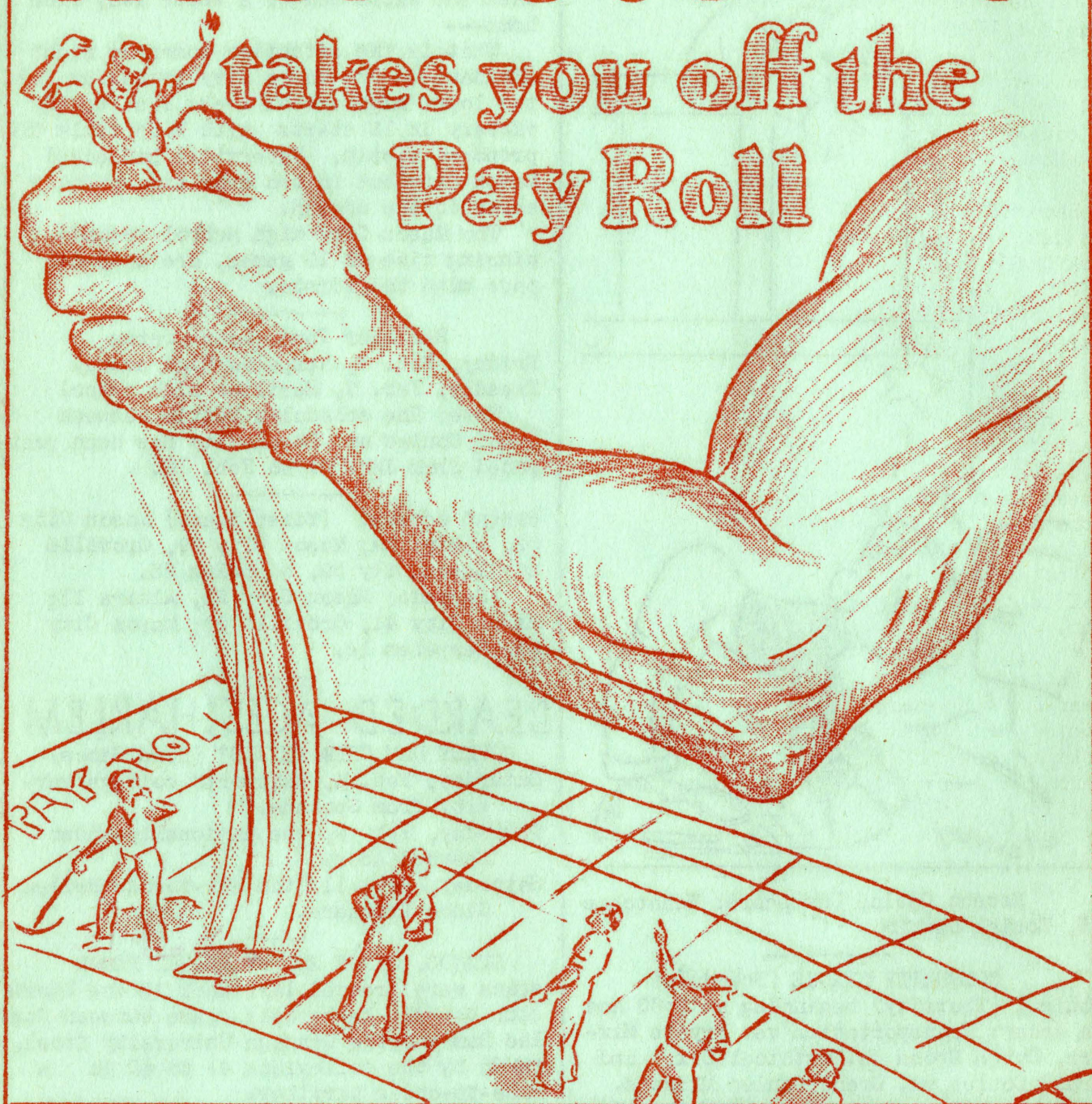
STANDS, STAGE AND AVAILABLE FLOOR

space were crowded last week in the Lion's club benefit basketball game between Coulee Dam and the Gonzaga University frosh, taken by the collegians 41 to 40 in a made-to-order thriller.

The fastest floor-work seen here this season carried the frosh in for easy lay-up shots and a 15 to 7 lead at the end of the first quarter. Coulee Dam then laid a Maginot line in close to the basket, drew up to take a one point lead at the half, seven points in the third quarter, but could not keep up with the enduring speed of Gonzaga. A 40-to-40 tie was broken in the last half minute of play.

BLOOD POISONING

takes you off the Pay Roll



GET FIRST AID FOR CUTS & SCRATCHES

The last of next week may see the first of the pumping plant discharge tunnels holding through, a check yesterday reveals. Tunnels 2, 3 and 4 have from 10 days to two weeks of drilling, if present progress is maintained. These tunnels will hole out from full-face drilling.

Exits will lead into open rock cuts which have been completed for tunnels 1 and 2. These ultimately will contain pipes to convey water from the pumping plant into the Grand Coulee reservoir.

Removal of the island downstream from the dam, now under way, constitutes Extra Work Order #5.

EWO #5 will consist of the complete removal of the clipped steel cell cluster nearest the toe of the dam and the rest of the island to a minimum of two feet above low water. Certain openings will also be made through the exposed area of excavation. Eventually all these remains of the west and downstream cross-river cofferdams will probably be removed, the Bureau of Reclamation explained.

Cofferdams were used by the MWAK in their river diversion program.

Under way at the far end of the Grand Coulee reservoir is the erection of buildings preparatory to the sinking of an 8x10-foot exploration shaft 200 feet deep with a tunnel 1000 feet long to test possible seepage from the reservoir bed.

When heavy concreting resumes later in the year, the gravel pit may see its two "super" shovel dippers at work simultaneously. The pit has become acquainted with the 7-yard and 8-yard dippers separately.

The 8-yard bucket is 21 times as large as the smallest shovel dipper here.

38,072 people died of gas in 1937, 41 inhaled it, 31 lighted it by touching a match to it, 38,000 stepped on it.

Thirty-one South African mining students were damsite visitors Jan. 22.

Approximately 50 tourists of the Northern Pacific American Agriculturists are scheduled to visit and dine at the mess hall March 1.

AERO CLUB ORGANIZED

The international interest in aviation finds local expression with the recent organization of the Mason City Aeronautical club by CBI employees. Following receipt of a constitution, probably some time this week, the club will apply for membership in the national association, the club reports. The course of study is centering upon ground work, with instruction coming from experienced mechanics and pilots.

Charter members include Ned Klein, chairman, Dave Slee, Ray Anderson, Frank Palmer, Loren Wheeler, James Cory, Bob Rice, Don Paxton, Lee Berg, Al Miller, Max Pierce and Jeanne Lewellen.

Members are chiefly interested in aviation as a hobby.

According to information from Felts field in Spokane, a plane and instructor may be sent out to the damsite next spring.

The concrete floor for the 643-foot east abutment tunnel is placed, sidewalls are two-thirds completed and concreting of the arch is under way.

After concreting, grout holes will be drilled through the concrete and high pressure grouting carried on. Drain holes will also be drilled into the rock in case any water should try to seep around or underneath the dam.

The first step in shoving the river 20 feet upward began Jan. 20 when a closure gate went into place at elevation 965 for block 52, one of the six channels carrying the river. When the other five channels are blocked, the river will rise 20 feet higher to five channels at 985. This will leave the 965 blocks ready for concreting.

A certain doctor: "Now, don't worry about your wife. You'll have a different woman when she gets back from the hospital."

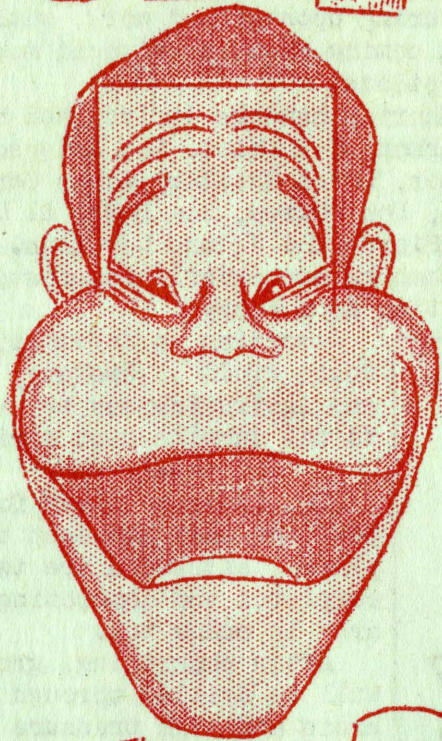
"Yeah, but what if she finds it out?"

LIFE MAY INDEED BEGIN AT 40 FOR ANY WHO WILL BE CAREFUL. HOW MUCH LONGER IT WILL CONTINUE ALSO DEPENDS UPON HOW MUCH ATTENTION IS PAID TO BEING SAFE.

BULLETIN



JOE E. BROWN



with

LEO CARRILLO

BEVERLY ROBERTS

WYNNE GIBSON

STEFFI DUNA

△△

FLIRTING
WITH
FATE

△△

SUN.
MON.
TUE.

MASON CITY THEATRE