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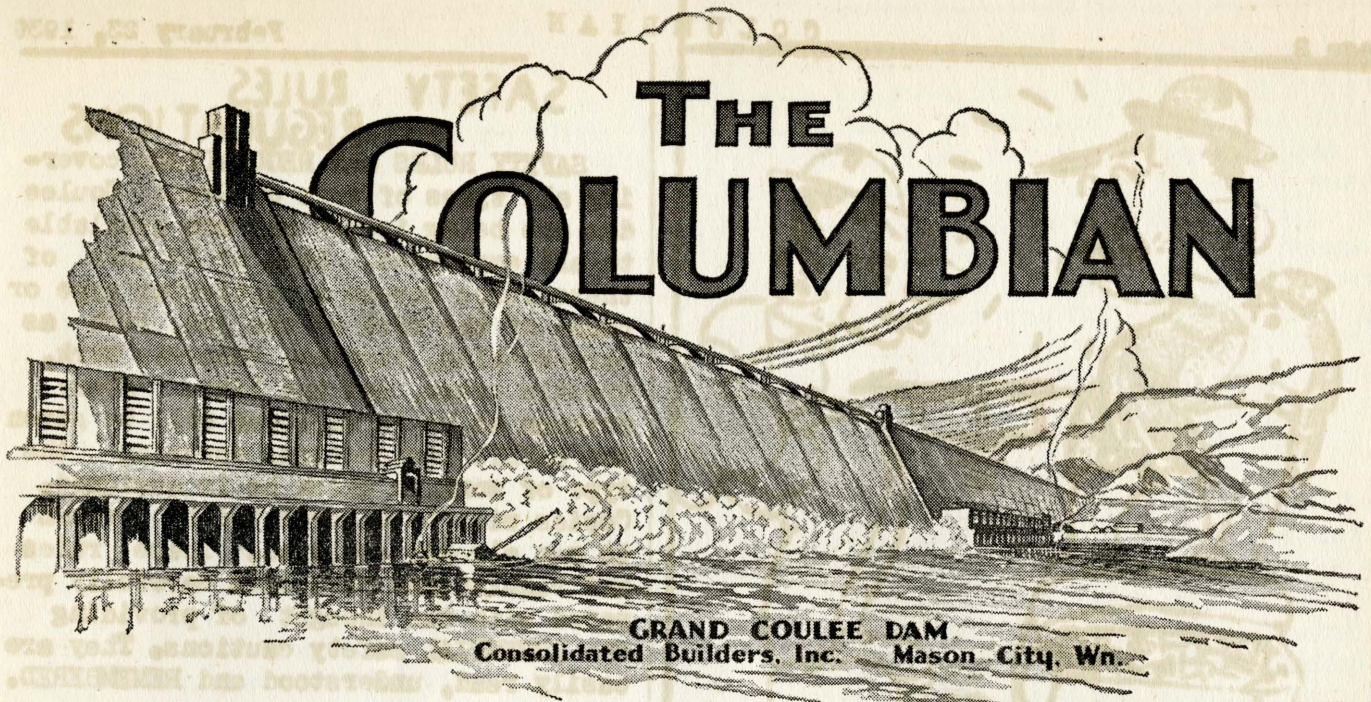
Consolidated Builders

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Vol. 5 No. 4

February 23, 1939

BIG TRANSFORMERS SOON TO BE CUT IN

While "Preparedness", pro and con, occupies a thought cell in the brains of most citizens of nations today, CBI has a totally different kind of preparedness now under way which has nothing to do with conflict among men. It does include the exercising of control over a force that has wrought havoc at times when uncontrolled. That force is subject to increase here.

Two huge transformers, each weighing 25 tons, arrived last week. They are to tie in with the unused spare at the main sub-station to form a second bank of transformers. The two banks, in parallel, will double the rated capacity of a station that supplies electricity to a job and an area of 15,000 people using up to 16,000 kilowatts.

Why the transformers? There is the possibility that the electric demand of the job may reach a new high when heavy concreting gets under way. Additional transformers will prevent any possibility of an overload which might burn up the transformers and temporarily paralyze the area; for it is almost literally true that without electricity here there would be no lights, no communication by telephone; no heat, no water in Mason City;

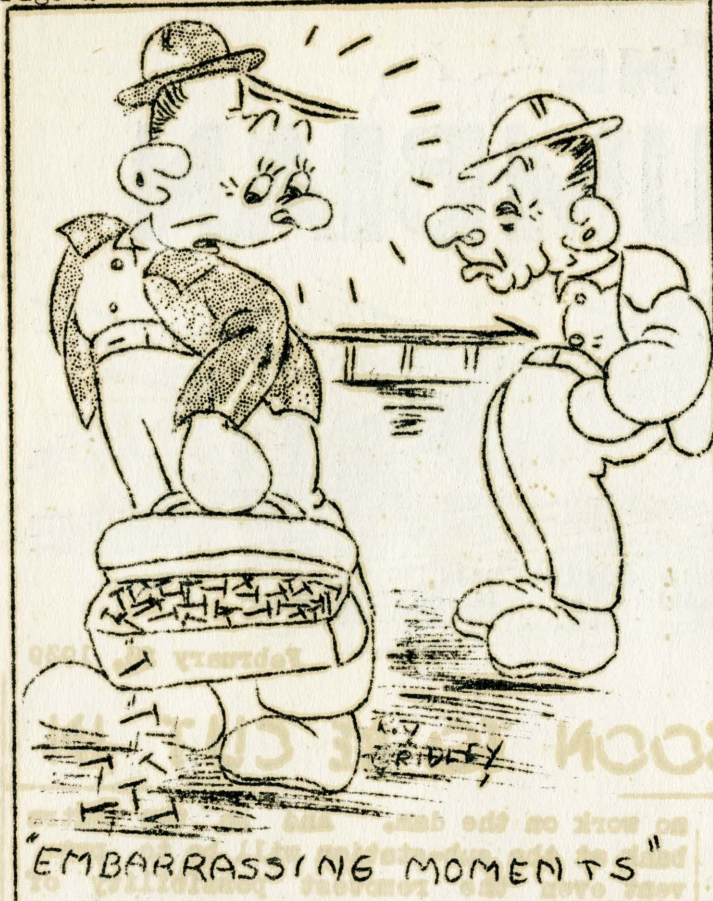
no work on the dam. And so the extra bank at the sub-station will be to prevent even the remotest possibility of electrical embarrassment. Electricity will be shut off, probably for about an hour when the new bank is cut in, however.

The two new transformers, each of 3333 kilowatts, are electrically identical to the four that have been at the sub-station. Each is 18½ feet high, eight feet wide, and weighs 50,100 pounds complete. A core with its coils weighs 15,500 pounds, as does a case with its fittings. One transformer uses 2400 gallons of oil.

The big transformers form the central station that supplies electricity for the damsite and all its communities from Osborne to Koontzville inclusive. Distributors for the area not including Mason City, Coulee Dam and the job itself are Community Service of Electric City, Three Engineers of Grand Coulee and W. H. Starkey of Elmerton.

Briefly, the system consists of 31 miles of 110,000-volt line brought in from Washington Water Power company lines at Coulee City, over 200 miles of bare and weatherproof wire used on exposed work,

(Continued on Page 3)



At a point not far from where the barge is working on the removal of the island, water broke through a cofferdam cell cluster (March 17, 1937). To stop a leak that rose to 30,000 gallons a minute, 1,250,000 pounds of cement, 150,000 pounds of bentonite, 4700 cubic feet of sawdust, 7000 cubic feet of shavings and other quantities which included sand, sacks and weeds were used. Much of this material penetrated below river bed and will not be met with in CBI work.

Bentonite is a clay said to be capable of expanding from 10 to 30 times its original size when mixed with water.

A Houston road-sign painter suggests the following signs for railroad crossings:

"Come ahead. You're unimportant."

"Try our engines. They satisfy."

"Don't stop. Nobody will miss you."

"Take a chance. You can get hit by a train only once."

CIVIL SERVICE EXAMINATIONS--

Mineral economist, and senior, associate and assistant mineral economists; senior consultant in home economics education; fisheries marketing agent and assistant; physiotherapy aide; marine engineer; naval architects.

- MASON CITY POST OFFICE

SAFETY RULES and REGULATIONS

SAFETY RULES and REGULATIONS covering all types of work on Grand Coulee dam are being issued and are available to all employees. Each of 16 sets of these rules covers a particular type or phase of the work on the job, such as carpentering, rigging, concrete work, trestle crews, and the like. Every workman as he is employed will be given the SAFETY instructions covering the type of work to which he is assigned. Copies will be distributed by foremen to men already employed. These rules and regulations have been carefully prepared with the thought of providing the ESSENTIAL safety cautions. They are easily read, understood and REMEMBERED.

Experienced men may be acquainted with most of the rules and regulations listed, but it is advisable that they keep their list as a reminder. Even experienced men, now and then, sometimes get a little lax and can benefit from reviewing the rules. New men should learn and observe the rules every day ---all day. No violations will be excused.

In a letter to all supervisors and foremen the general superintendent states, "We urge you to read the Safety Rules and Regulations carefully and insist that all men under your supervision be familiar with and observe the Safety Rules and Regulations that apply to that particular type of work in which they are engaged."

READ YOUR RULES.

With plenty of sunshine in comparatively clear skies, winter's worst temperatures are apparently over, despite recent minimum temperatures dropping as low as 24 degrees.

The season's low slid from 10 degrees on Feb. 9 to 2 above (Feb. 10).

"Do you have much variety at your boarding house?"

"Well, we have three different names for the meals."

Take a tip from nature. Man's ears are not made to shut--his mouth is.

ELECTRICITY

(Continued from Page 1)

230 miles of rubber-covered wire and 30 miles of two-conductor cable for runs from panel boxes to outlets.

Electrical work has included the use here of approximately 1000 motors ranging from 1/8 horse power to 500; and 400 transformers from 1 kilowatt to 3333. Myriad lights that have made the damsite look like a playground from a distance have numbered from 10,000 to 12,000. Electric heaters for the job and Mason City approximate 2500. Of this amount 1425 are in the residences and 740 in the men's dormitory section; these require about 5000 kilowatts.

As the result of electricity, work can be carried on in the gravel pit, plant and conveying system; mixing plants can operate; 15 Diesel-electric locomotives can run out onto the trestle with their cars of concrete buckets; the 12 big cranes can swing into action; vibrators can throb; jackhammers and other pneumatic tools can get their air supply; the six largest power shovels can get into motion; blasting can be set off; shop men can carry on most of their work; Western Pipe & Steel can continue welding and x-raying penstock steel; telephone communication can be carried on.....

It is indeed true that virtually all work would be at a standstill if it were not for the mysterious force of electricity. Even the five pumps supplying water for Mason City and the concrete area are electrically-operated. The air supply, a work force in itself, depends upon electricity to operate the big battery of compressors above the machine shop and at the cement silos.

Electric power, as brought in here, in turn depends upon another force for its generation, because it is hydro-electric power -- generated by the fall of water. It is the same kind of power that will be generated when the waters of the Columbia river race through each of the turbines at 141 tons per second.

Lines were hooked up from Coulee City

to the damsite Nov. 18, 1934. Since then, among numerous items of work, a major job has included excavation before placement of concrete for the dam. At the peak up to 21 miles of large rubber cable were used in the excavation area. Today, as then, the six big shovels that operate electrically use #4 and 6 2300-volt cable rubber-insulated for 5000 volts, ranging from two to four inches in diameter. Up to 2000 feet are used by each shovel when in operation. Main distribution lines over the entire area are 11,000-volt.

The main electric shop is in the machine shop area. Here records are kept, electrical engineering plans drawn, repair work carried on, supplies stored and issued, and electrical work directed. Seventy-five electricians were employed by CBI last fall; 50 were over the concrete area.

---a peculiar thing: The brilliant force that rends the sky in zigzag lines on stormy days taxes the imagination. It has been a destroyer and yet has revolutionized the world. It has seared shaven heads and yet has saved lives in hospitals. It has been harnessed to work for good here in the building of the largest project in the world, and yet even one of the tiniest wires might send into oblivion a man who did not use caution.

"FIRST IN WAR,
FIRST IN PEACE and
FIRST IN THE HEARTS OF HIS COUNTRYMEN..."

Birthday yesterday of the Father of
His Country,

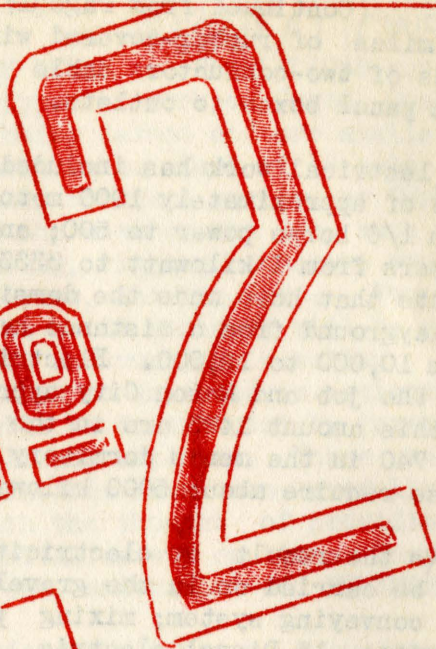


George Washington, 1st President

Find your joy in something finished, and not a thousand things begun--Douglas Malloch

PUBLIC ENEMY

NO 2



HEART
DISEASE

ACCIDENTS

CANCER

PNEUMONIA

CHRONIC
NEPHRITIS

CEREBRAL
HEMORRHAGE

TUBERCULOSIS

Accidents kill
more men and
boys than any
other cause
except heart
disease



IN DEFECTS THERE IS DANGER
THEY STEAL YOUR PROTECTION
GIVE ALL YOUR EQUIPMENT
A DAILY INSPECTION!

---DAVE NEILSON has ordered a book: "The Education of a Young Patrolman"--Chef Bill Arndt is viewing the San Francisco exposition--LEE BERG left with pockets loaded, returned with pockets blowing in the wind--RAY BELDING is trying to break 100 in bowling--RONNIE TROMBLEY may have his ocean liner patrolling above the dam--MICHAEL (the Great) MESI won't feel the same by midnight Saturday--HOWARD GILLIS is looking over the state famous for its potatoes--KENT MAYNARDE once wielded a saber in the French cavalry--JIM BROWN was an expert with a machine gun (not in Chicago)--Papa wouldn't be happy if we told about JOHN O'SULLIVAN--but a promise's a promise---The DUNCAN McPHERSONS are viewing Frisco--IF YOU WANT TO BE SAFE, IT'S UP TO YOU----LOUIS PAZAR will become a missionary--FRANK DeLUCHE will be back by the 27th--Did you harken to MARGARET SWINDALL's little address over the radio last week?--R.MUNDT continues to hear how he was to dare the air for Montana --Somebody's gonna hear about it when HARVEY MECKLENBERG has his birthday the 26th.--ERNIE ARNONE, who swings the wicked golf club, and PECK FULLER, who may have won his wife when he once showed his fistic prowess, are back again--DOC LAWSON, who viewed outside dominions, has been helping to erect new houses in Mason City--Word has it that CHUCK PRAHL picked up a wife in California--BILL MILLIKAN knew the location of the basket against the Harlemites but was also famous for being flat on the floor--MOST ACCIDENTS DO NOT JUST HAPPEN - THEY ARE COMMITTED. AND THAT'S WHY THEY OFTEN CAN BE PREVENTED SO EASILY IF WE STOP AND THINK.--VIC CARPENTER, who made a loop through the south and middle west, is back-- AL DAVIS and EMIL FELDHAHN sigh: "Vacation's over."



by a "feebul" foreman

That Spokane aviator would have had a plenty tough time mushin his way from the power house to the field office a coupla weeks back.

* * * * *

He had a lot of experience and the super started noticin' him so I tied a can on him.

* * * * *

A sharp argymment ensued, mamma maintainin' that the sidewalk be kept free from snow and me holdin' out agin spoilin the slidin' for the kids. In the meantime the snow obligingly melted off.

* * * * *

So ma wrote back and sez she's powerful glad to hear her son has electricity in the house, but please for her sake be careful.

* * * * *

An expert is a feller away from home.

* * * * *

The party went high hat all of a sudden and before its over I realize I shoulda spent another year in the sixth grade.

* * * * *

--well, the guy that rented me the tuxedo didn't say nothin' about wearin' a bow tie with it.

* * * * *

--and Jim Thomas sez how the ____ kin I peddle enough junk to pay for cleanin' out the bone yard if you birds keep on salvagin' stuff out of it.

* * * * *

The beer hustler sez she has no idee of gyppin' me but the change done her good. Doubtless her ol' man wuz a conductor and only took what wuz faro.

* * * * *

Investigation of many accidents prove that the injured guy shoulda been listenin' instead of talkin'.

* * * * *

The doc sez he couldnta had a temperature of 112, but his old lady sez he wuz alluz hot-headed.



SPRING
SUITS &
JACKETS

HATS

NEW
COLORS

HATS

Persian Blue Fuschia

Lime Green Black

-- Japonica

DRESSES —

Persian Blue Fuschia

Dusty Pink Beige

Black

#

NEW COATS WITH JACKET

AND SKIRT TO MATCH--

ALL AT

MASON
CITY
STORES



PUBLIC CARD PARTY

Bridge, pinochle, Chinese checkers--
Sponsored by Catholic ladies, Mason City;
St. Patrick's evening, March 17--
Mess hall, north wing--
PRIZES -- PRIZES -- PRIZES --PRIZES

There's one consolation. Once you hit
bottom, anywhere you go is a new high.

NEW NOTES

Mason City hospital

Feb. 17, to Mr. and Mrs. Sivert Hougan,
Grand Coulee, a daughter.
Feb. 15, to Mr. and Mrs. Frank L. Powell,
Grand Coulee, a daughter.
Feb. 15, to Mr. and Mrs. Dave Neilson, Jr.,
Mason City, a son.
Feb. 16, to Mr. and Mrs. Jacob W. Mustered,
Osborne, a son.
Feb. 14, to Mr. and Mrs. Thurlow F. Gibson,
Grand Coulee, a son.
Feb. 14, to Mr. and Mrs. Silas S. Parmeter,
Nespelem, a son.
Feb. 12, to Mr. and Mrs. Carl F. Schaefer,
Grand Coulee, a son.
Feb. 12, to Mr. and Mrs. Aldine S. Fountain,
Grand Coulee, a son.
Feb. 10, to Mr. and Mrs. Allin W. Johnson,
Mason City, a daughter.
Feb. 10, to Mr. and Mrs. Herbert H. Miller,
Grand Coulee, a son.
Feb. 10, to Mr. and Mrs. Alexander M.
McDonald, Grand Coulee, a daughter.
Feb. 10, to Mr. and Mrs. Denver D. Davis,
Elmerton, a son.

TOE OF SLIDE TO BE BLANKETED

Along the toe of the slide of the west
tailrace and the yardage extending above
the highway will soon begin a job to aid
in holding the earth in check.

As soon as larger excavated rock is
available from the pumping plant discharge
tunnel site, the first of 30,000 yards of
riprap will be placed at the toe of the
slide. The area to be covered will be
about 1300 feet long and will extend from
river bottom to elevation 940, five feet
above present river surface, to tie in
with other riprap along the slope.

A factor contributing to the shifting
of earth is believed to have been the
scouring action of the river, particular-
ly at a depression in the river bed. Here
clay continued to slough off as the river
wore at it. It is hoped that placement
of riprap will prevent the scouring ac-
tion and help hold any further movement of
earth in check.

Some road work will be necessary be-
fore the additional riprap can be placed.

DANGEROUS ACTIVITY AND CARELESSNESS
ARE POOR ADVERTISING FOR ANY EMPLOYEE
WHO EXPECTS TO BETTER HIMSELF.



W. KANZLER.

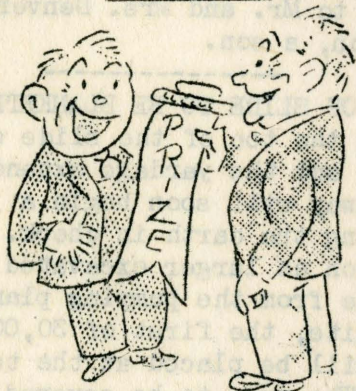
"It's a long road that has no earning."

RESERVOIR - LAKE BACKS UP 25 MILES

A waterfall of 58 feet over the spill-way of the dam is from a reservoir or lake that has backed 25 miles up the Columbia river. Elevation downstream is 935.2. Upstream, 993.5, or about 20 feet higher than high water of the last three years. The river pours through five concrete channels at elevation 980.

Approximately \$250 were the gross receipts for the USBR softball benefit dance in the government gymnasium last Saturday, Feb. 18.

The last of the gates to block channels at elevation 965 went into place in block 58, Feb. 14, four days after block 56. Several gates have taken 36 hours or more to place. In these cases they were placed gradually in order not to disturb the downstream flow of the river, which might affect power plants, navigation and the like downriver.



A safe man probably ought to have a prize, but he doesn't need one. He already has a prize in being able to earn and to be well and happy.

The job of constructing a masonry-rock wall to hem in a parking area overlooking the dam from the east end is about 75 per cent complete.

A little over 4250 tons of reinforcement steel have been placed by CBI.

"Still engaged to Maude?"

"Nope."

"Good!"

"What?"

"Good; how'd you get rid of her?"

"What?"

"How'd you drop the old hag?"

"I married her."

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. Church 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

ZION LUTHERAN CHURCH--Grand Coulee Heights,
E. F. Muhly, Pastor

"We preach Christ, and Him Crucified!"
Feb. 26: Sunday School, 10:00 a.m.
Divine Services, 11:00 a.m.
March 5: Sunday School, 10:00 a.m.
Divine Services, 7:30 p.m.
Welcome All!

OSBORNE GOSPEL TABERNACLE
10:00 a.m. Sunday School
11:00 a.m. Morning Services
7:30 p.m. Evening Services

CHRISTIAN SCIENCE SOCIETY, Coulee Dam (in
government school)
11:00 a.m. Sunday School
11:00 a.m. Church Services
Mid-week services, Wednesday, 8:00 p.m.

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

10:00 a.m. Sunday School, Mrs. William
Teeters, superintendent
11:00 a.m. Morning Worship
6:00 p.m. Christian Endeavor

SEVENTH DAY ADVENTIST (in Full Gospel
Mission, Grand Coulee; Saturday)
9:45 a.m. Sabbath School
11:00 a.m. Bible Study

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

GALS CAVORT AGAINST RED DEVILS SATURDAY

County tournaments claim the attention of local high schools.

Tonight, Friday and Saturday Grand Coulee high school enters the Grant county tourney at Ephrata.

Tomorrow night and Saturday Mason City high competes in the Okanogan county tournament at Omak.

Both squads are expected to give a good account of themselves because they have already defeated several of the teams entered.

Mason City high school's record of being undefeated on its home floor took a smearing once, and then again, as the regular season ended. Grand Coulee high, beaten once in the early part of the season, completely throttled the Mason City attack and then proceeded to run wild. Messrs. Merritt-Nichols-Blake & Co. ran the debacle to 47 to 24, with Merritt throwing baskets every way and from every spot on the floor for 28 points.

In the deciding game of three, Mason City held a lead for the better part of three quarters, then lost the lead and the game at 27 to 24.

Mason City seconds took their games handily, the last 27 to 3.

The man who wastes today lamenting yesterday will waste tomorrow lamenting today.

Community basketball will end in Mason City gymnasium one week from today, March 3.

He: "After all, fools help to make life interesting. When all the fools are bumped off, I don't want to be here."

She: "Don't worry. You won't."

A bevy of gals from the Ozark mountains with their sensational center from the masculine realm make up the Ozark Mountain Hillbillies booked to try their athletic wiles against the Coulee Dam Red Devils Saturday night, Feb. 25, in Mason City gymnasium.

The female tribe from the Ozarks, ranging from 5'7" to 5'10" in height are all state champions or runners-up. They rely upon Jumping Joe Satovich, center, to get the tipoff and to help score. According to press notices, Jumping Joe is sensational enough both as an athlete and a clown to have stolen attention away from such a satellite of the athletic world as Jesse Owens, the world's fastest human.

The first over-time game of the season was chalked up between the Bearded Aces from the City of David and Coulee Dam. A game close throughout was knotted at 55-all at the end of the regular playing time and in the over-time went to the Davidites 61 to 60. THE BEARDED ACES RETURN FRIDAY, MARCH 3, TO END THE PRESENT SCHEDULED SEASON FOR THE RED DEVILS.

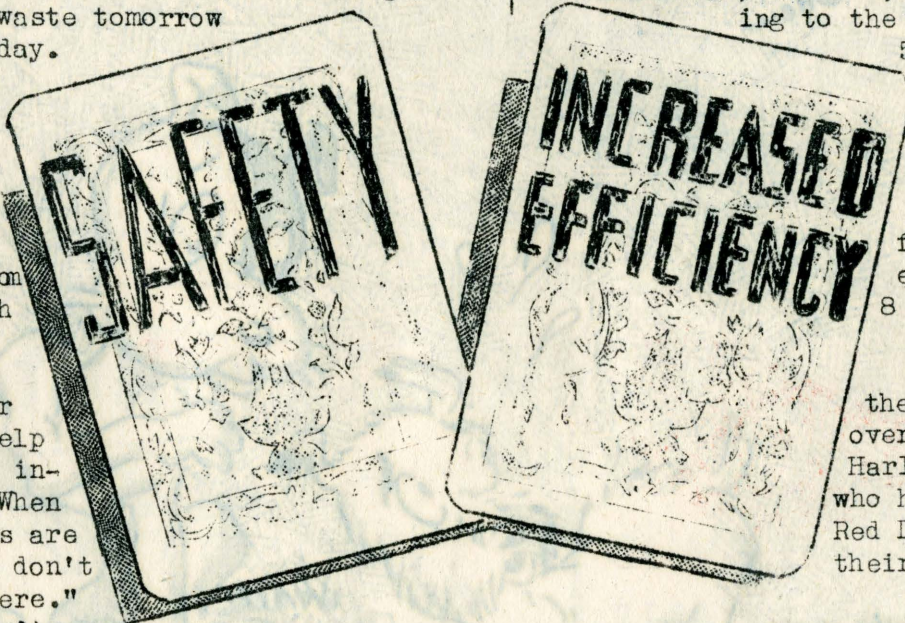
Minus the services of two starting guards, Coulee Dam took fourth place and the sportsmanship trophy in the Spokane AAU tourney last week end, winning over Whelan Grange, Pullman, 47 to 42, and losing to the Wenatchee Chiefs

50 to 51 and Spokane YMCA 49 to 51.

Mason City gymnasium will be open to volleyball for both men and women next Tuesday from 8 to 10 p.m.

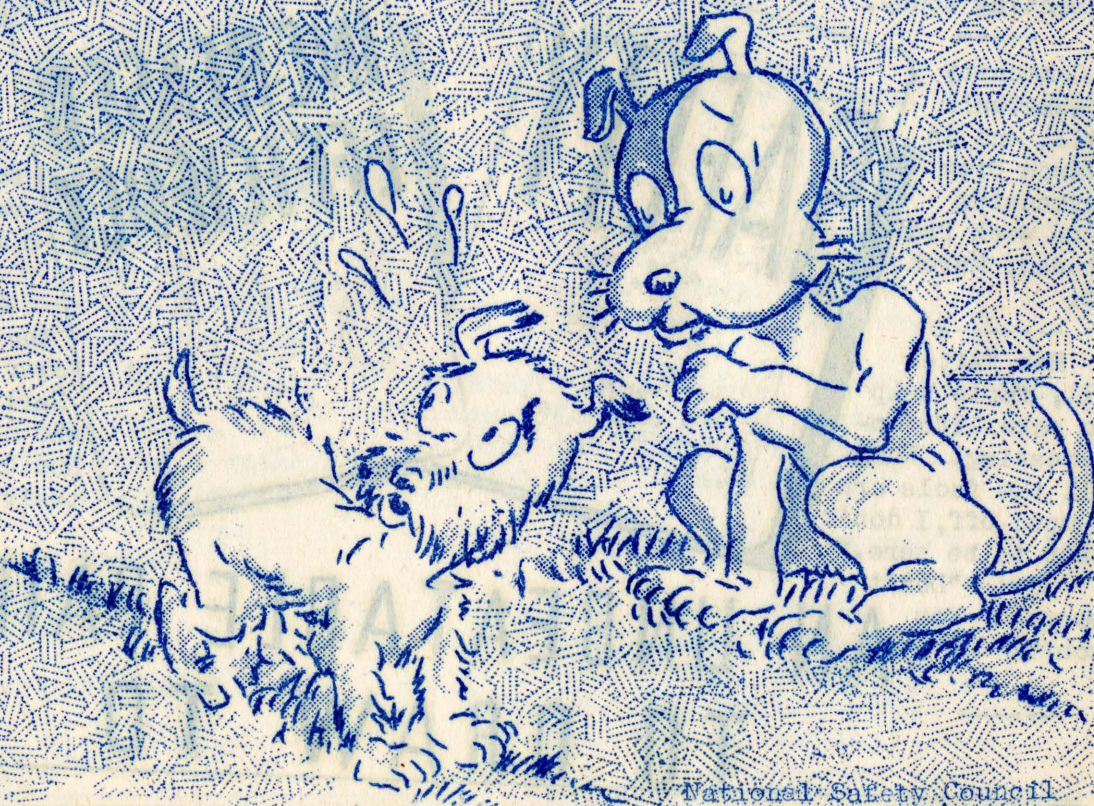
Six hundred packed the gymnasium to laugh over the antics of the Harlem Globe Trotters, who held a lead over the Red Devils at the end of their basketball tilt 49 to 43.

Strangely enough it takes a lot of long green to paint the town red.



AN UNBEATABLE PAIR TO DRAW TO

GIVE THE NEW MAN A FEW TIPS ON SAFETY



SAILS AND MOTORS TO DOT DAM LAKE

The shadows of sails on the lake above the dam will soon be seen, is sportsmen of the waves continue with their plans as discussed in the initial conclave of the Coulee Dam yacht club in the government school Feb. 15. Sixty-four attended; 28 either had boats or had arranged for them.

A log boom will be built across the river from near Rattlesnake gulch to the east side as a protective measure, explained F. A. Banks, USBR construction engineer. Above it a floating wharf will be constructed, he said. Arrangements will be made whereby proper persons may use the CBI road at the east end of the dam to get to the boating scene.

An organization meeting will be held, probably within 10 days. Membership inquiries have come from Wilbur, Coulee City and Almira. Anyone interested in any kind of water craft, from a rowboat up, is permitted membership.

The job of placing concrete in grout circles of the outlet conduits got under way this week. Work consists of concreting niches about three feet wide and 15 inches deep around each of the 20 conduits. Six circles are in each conduit, at each joint. Grouting will follow the concrete, after which water may spurt through the conduits.

Of the 12 tunnels at the pumping plant site, 1, 2, 3 and 4 are completed full-face. Others that have holed through, but not full-face are 5, 6, 7, 8 and 9. The final three are scarcely half-driven through.

Concrete placing, which resumed Monday in six blocks, is scheduled for 10 blocks today, with a gradual increase in succeeding days. The two shifts will not increase to three, however, until nights are less cold.

Within a few days the first of approximately 24,000 yards will go to the block 8-11 area which must be built up to assure at least 35 feet above June flood waters.

Walls of the first of five pre-fabricated two-bedroom houses rose yesterday in Mason City. The five, each 24x36 feet, are to rise along the south side of Roosevelt avenue above the girl's dormitory. Walls come in six sections for erection.

Nearby the apartment house is nearly ready for occupancy. Five apartments are "A", two are "B" size.

Concrete cooling west of block 36 ended a week ago until late in the year.

High level cooling is being carried on, however, from blocks 36 to 63 between the 940 and 950 levels. From block 64 to 81 at the east abutment water is circulating through elevations from 990 to 1010. Cooling below the minimum elevations has been completed.


Pile pulling isn't any easy job downstream from the dam. A diver with his 50-pound shoes is now putting in considerable time using a torch to burn off the piles near river bottom because pulling was too difficult.

SAFETY DOES PAY

Untailing

LUDWIG

COMPLETE
LINE OF
NEW SPRING JEWELRY



Service

JEWELER

COMPLETE
REPAIR SERVICE
WATCH REPAIR-ENGRAVING-
STONE SETTING



SUN.
MON.
TUE.

TOPPER TAKES A TRIP

Constance BENNETT
Roland YOUNG



MASON
CITY
THEATRE