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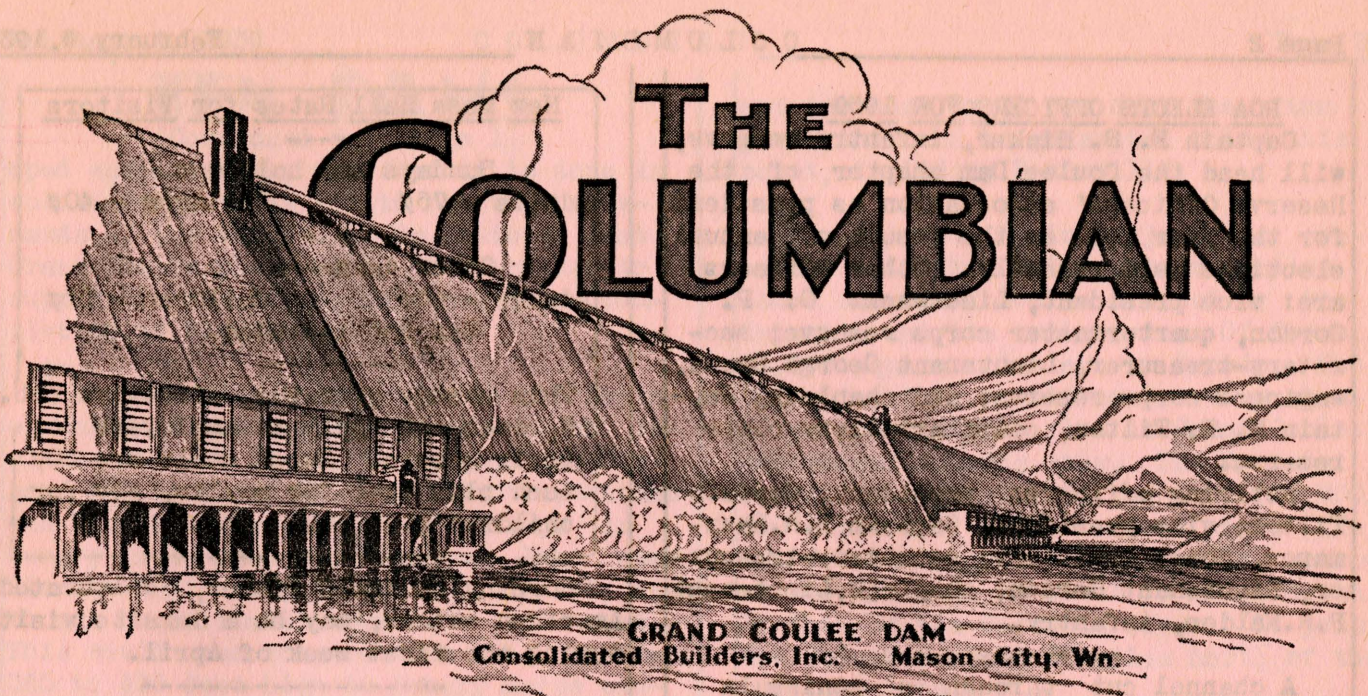
Consolidated Builders

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GRAND COULEE DAM
Consolidated Builders, Inc. Mason City, Wn.

Vol. 5 No. 3

February 9, 1939

COLUMBIA MAY HAVE 10 DAMS

This is to be a flight in but a few minutes over an area four times as large as the New England states and along a river 1100 miles long. Brief pauses will be made along the way, particularly at the sites for 10 proposed dams to harness the greatest power stream on the North American continent, and possibly the greatest on the face of the globe. The river is the Columbia.

The Columbia river rises in Columbia lake at elevation 2650 and flows for 465 miles in British Columbia. It continues south for 112 miles to the mouth of the Spokane river and then bends 200 miles to Pasco and continues 324 miles to the Pacific ocean.

A comprehensive plan of damming the river for the fourfold purpose of power, irrigation, flood control and navigation was recommended to Congress by the war department at the time of early congressional consideration of the Columbia Basin project. The plan would utilize 92 per cent of the fall of the Columbia river between the Canadian line and the sea. Grand Coulee, key dam in the plan, would account for 27 per cent (355 feet) of the 92. The ultimate development would have an installed capacity of about eight million kilowatts and would entail

an expenditure of something over 700 million dollars, according to early estimates of war department engineers.

Locations of proposed dams below the Grand Coulee and estimated costs in millions of dollars (in parentheses): Foster Creek (49), Chelan (39), Rocky Reach (38), Rock Island (constructed; Puget Sound Power & Light), Priest Rapids (63); and below the junction with Snake river, Umatilla (60), John Day Rapids (110), The Dalles (89) and Warrendale, represented by the completed Bonneville dam which utilizes 60 feet of the fall of the Columbia river. The two largest structures are the Grand Coulee and the proposed dam at The Dalles.

The Columbia river and its tributaries are susceptible of being developed into the greatest system of water power to be found anywhere in the United States, government investigators have reported. As to when additional dams will be built after Grand Coulee, however, a final authority probably would answer: "Whenever it is feasible." An inference from that includes "When the ability of the Northwest to absorb the electric power warrants construction." Evidence in the war department report shows that the power may be devel-

(Continued on Page 3)

ROA ELECTS OFFICERS FOR 1939

Captain E. S. Hicker, infantry reserve, will head the Coulee Dam chapter of the Reserve Officers' association as president for the year 1939 as the result of annual elections held recently. Other officers are: vice president, Lieutenant G. P. Gordon, quartermaster corps reserve; secretary-treasurer, Lieutenant George Grant, engineer corps reserve; and chaplain, Captain K. E. Tilton, coast artillery corps reserve.

Retiring officers: president, Captain Tilton; vice president, Captain R.R. Rachmanow, coast artillery; secretary-treasurer, Lieutenant Gordon; chaplain, Lieutenant P.R. Nalder, infantry.

A channel cut through a peninsula jutting out from the the east bank below the dam has left an island for a purpose. This is to expedite removal of the island by the forces of nature.

Already the channel is wearing the island away. During high water all vestige of the islet is expected to be swept downstream.

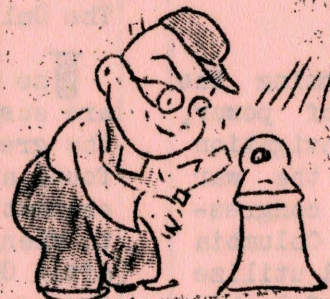
The east abutment inspection-drain tunnel is a gallery now that a concrete lining has been placed.

The invert (floor) was placed first in 20-foot lengths, followed by the walls and then by the arch or roof. Thirty-two lengths were placed for the invert.

The building removed last week from the east brink of the river to the girls' dormitory once housed the departments of the superintendent, time, personnel and safety for MWAK. The building is under renovation into apartments.

A man was sitting beside the death bed of his partner. The partner knew he was doomed and said with a sigh of repentance: "I've got a confession to make. I robbed the firm of \$50,000, and sold the blueprints of the secret formula for \$250,000. I stole the letters from your desk that got your wife a divorce, and I'm---"

"Oh, don't worry, old chap—I poisoned you."



JOE WISE WEARS GOGGLES
WHEN HE SHOULD
HE KNOWS GLASS EYES
ARE NOT SO GOOD!

New Mess Hall Rates for Visitors

Sundays and holidays
Adults - 75¢ Children - 40¢

Other days----
Adults - 65¢ Children - 35¢
Tax not included.

This change of rates, effective Feb. 5, does not apply to employees or their guests. Guest meals are 50¢ each plus tax for adults, 25¢ for children plus tax.

Dorothy Canfield Fisher, celebrated American author, may be a damsite visitor during the first week of April.

The Department of the Interior's activities in conservation goes over the air every Saturday afternoon at 2 from headquarters of the Columbia Broadcasting system. The series of broadcasts, entitled "What Price America", will consist of 26 weekly presentations.

As far as grouting under the dam is concerned, let high water come; for on Saturday, Feb. 4, C grouting (medium pressure) was completed for 120 feet of the dam east of block 81. Six C holes were drilled and grouted through concrete into bedrock. This work had to be done before water rose too high behind the dam.

THINK OF YOUR OWN RESPONSIBILITY IN THE IMPORTANT SAFETY FIELD. IF YOU HAVE MADE MISTAKES IN THE PAST, RESOLVE TO CORRECT THEM-- NOW!

Water pouring over the spillway of the completed dam will be twice as high as Niagara.

As Shakespeare once said, "Bow legs may not be few, but they're far between."

The monthly meeting of the Coulee Dam Pre-school PTA will be held tomorrow at 2:30 p.m. in the government school house, according to the annual program. Founder's day is to be featured, with Mrs. A. J. Smithies, hostess.

TEN DAMS

(Continued from Page 1)

oped economically, provided it is done in such increments as not to outrun the demands of the market. It is believed that Grand Coulee power will be adequate to supply the demand for 30 years after completion of the dam.

Proposed plans also refer to the drainage area of the Columbia river which includes most of Idaho, Washington and Oregon, and parts of British Columbia, Montana and Wyoming. Regulation of storage in Hungry Horse mesa and Flathead lake near Glacier National park was considered, although no estimates were made for that. This would mean construction of a dam from 365 to 450 feet high in Hungry Horse canyon for power development and the storage of about 1,100,000 acre-feet. Although not included in the plan, provision for additional storage on Priest, Pend Oreille and Coeur d'Alene lakes might also be made.

The Columbia river is exceeded in size in the United States only by the Mississippi. Its annual discharge is twice that of the combined flow of the Sacramento and San Jacquin rivers in California and six times that of the flow of the Colorado at Hoover dam. The maximum flood on record is about 750,000 acre-feet. The annual runoff of its drainage basin of 259,000 square miles is equivalent to a rainfall spread of 12 3/4 inches over the entire area or 146 million acre-feet--10 times the runoff at Hoover dam.

The minimum annual flow of the Columbia at the damsite is 55 million acre-feet or enough to irrigate 10 times the amount of land to be reached by irrigation on completion of the dam. Release of its reservoir waters during low flow periods will increase the minimum navigable channel depths by 4 1/2 feet below the dam and by two feet beyond Bonneville dam. The Bureau of Reclamation explains that regulation of water will also double the amount of firm power that can be developed at the six power sites on the Columbia river between Grand Coulee and the junction of the Snake and Columbia rivers,

and increase by 50 per cent the firm power that can be generated below this point, including Bonneville.

The Columbia Basin project is concerned with the 74,100 square miles above the Grand Coulee drained by the Columbia and its tributaries. Of these, 39,000 square miles are in Canada. The Columbia river itself contributes about 37 per cent of the flow at Grand Coulee, government records show. The Kootenai river, contributing 31 per cent (25,300,000 acre-feet) of the runoff above the dam is its largest tributary. The source of the Kootenai is about 75 miles north of that of the Columbia river. It joins the Columbia about 30 miles north of the Canadian line.

The Clark Fork river, rising on the west side of the Rockies near Butte, not far from the headwaters of the Missouri and Snake rivers, brings into the Columbia about 23 per cent of the water passing the dam and the Spokane river brings in about 7 per cent. Bureau of Reclamation information reveals

Waters at the damsite, springing from headwaters of mountain snows, glaciers and lakes, bring high water periods for the months of June and July, months that are highly important in irrigation and power development for the Columbia Basin project. And throughout the year the Columbia is comparatively free of silt and ice.

Such are the stream and its arteries that will contribute toward making the state of Washington one of the richest states in the Union.

"But how on earth did you come to get so completely soused?" inquired a local judge the other day.

"I got into bad company, your Honor. You see, there were four of us. I had a bottle of whiskey--and the other three were teetallers."

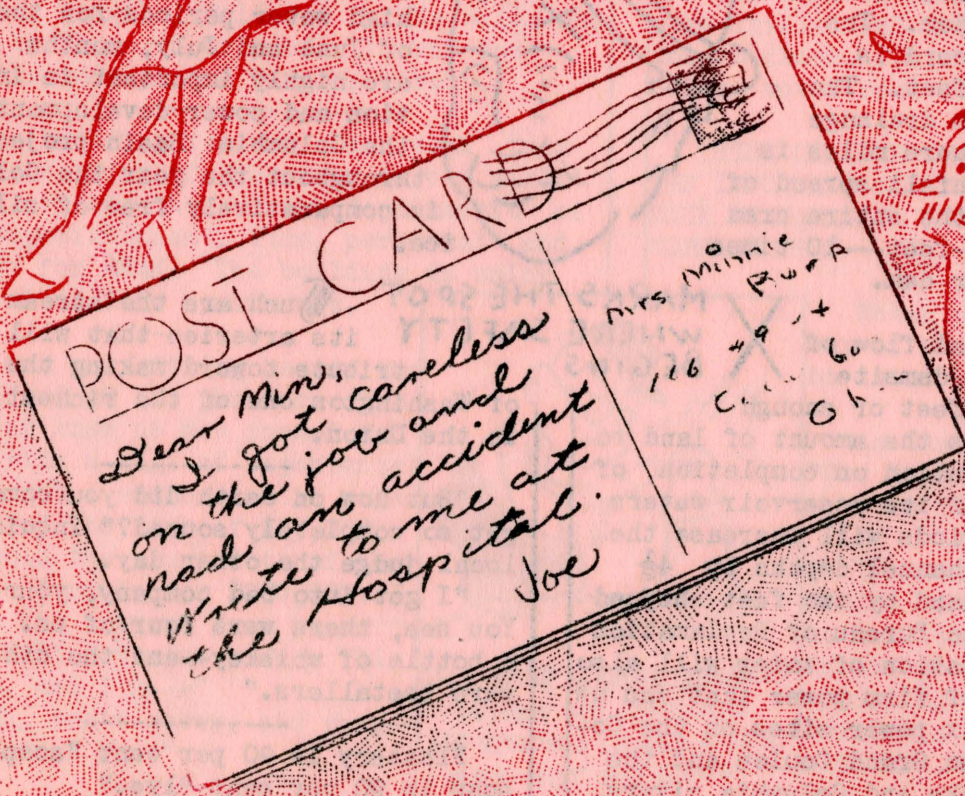
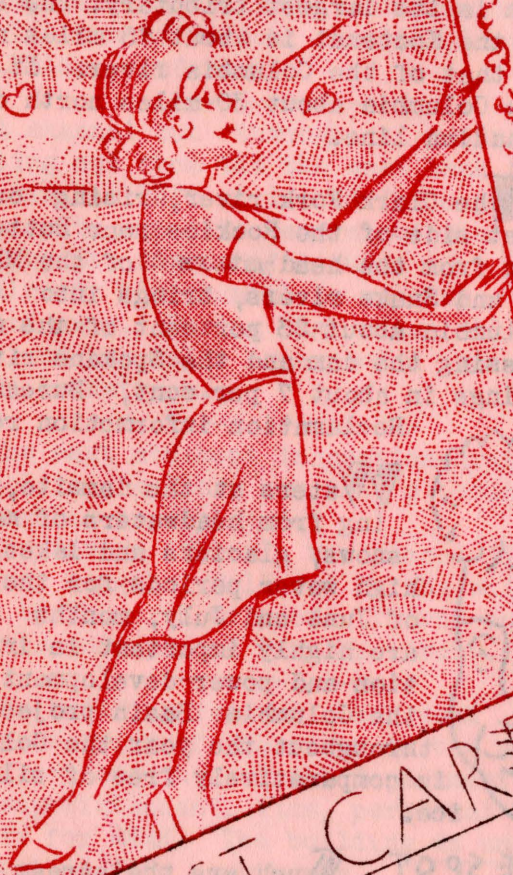
Flattery is 90 per cent "soap" and soap is 90 per cent "lye."



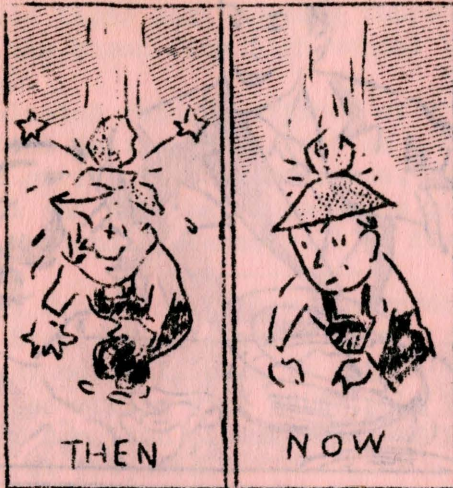
X MARKS THE SPOT
WHERE SAFETY
BEGINS

WHICH
WILL

VALENTINE
YOU
SEND?



NATIONAL DEFENSE WEEK FEB. 12-22



From Lincoln's birthday, Feb. 12, to Washington's birthday, Feb. 22, is annually set aside by presidential and gubernatorial proclamation as National Defense week under the auspices of the Reserve officers association of the United States and its subsidiary chapters. Governor Clarence D. Martin issued a proclamation for the state of Washington Jan. 23.

"The State of Washington, situated in the northwest corner of the United States, is so strategically located that an adequate system of defense is essential for our security, welfare and progress," reads the proclamation.

"....I earnestly urge the people of our state to give every consideration to the needs for a stronger and more closely coordinated system of defense, and further ask them to cooperate to the fullest extent possible with the officers and other patriots, who, during this period will stress the significance of the occasion: let us by all means continue our efforts for Coast security--behind which we of Washington may work for prosperity, culture and contentment without the fear that the invader may come to destroy the things we build."

The Reserve Officers association, with a chapter of commissioned officers here, is made up of civilians who have prepared themselves for military service to defend the United States and have assumed responsibility for the country's national defense. Members are continually seeking a method of adequate preparedness in time of peace in accordance with terms of the national defense act and desire that the public develop a better understanding of how the War department is planning to execute a satisfactory military policy. This is why a week has been set aside annually for the past eight years.

IT IS BETTER TO BE ALIVE THAN AN ACCIDENT STATISTIC.

An ex-sailor here was recounting his experiences to a dear old lady.

She: "What rank did you hold?"

He: "Ship's optician."

She: "I didn't know there was such a rank. What did you do?"

He: "I scraped the eyes out of the potatoes."

--and so JOHN OLSON picked up a wedding ring in Seattle---

--BOB ATWELL, who used to skip around under the surface of the Columbia in a 400-pound suit, is visiting here.

--ELMER SHROCK is climbing the hills in San Francisco--

--BRICK MARSH will bring part of Mis-soula back with him.

--After six weeks, the blue eyes of ELLA NEW are behind the fountain in Mason City again--

--REX HAMBY is clearing his throat over "California Here I Come." He'll sing it in a week or 10 days.

--V. K. TUGGLE is expounding the Grand Coulee dam to junior collegians in Los Angeles.

--Jan. 31, birthday No. 101 for MRS. DELILA SPENCER--

OLD AGE NEVER COMES TO THOSE WHO ARE CARELESS.

--SARGE KULBERG - Messages delivered.

--The WALTER SCHULTZES are having two weeks on the Coast. The JOHN McCORMACKS will have a similar idea when they return.

--JAKE NIEMEN (to new engineer), "--and are you a good athlete?"

--ERNIE JONES knows what 300 punches at 10¢ a punch amount to--

--BIRDENA OTTON, superintendent of nurses, seeks the way to better health during a respite in Spokane--

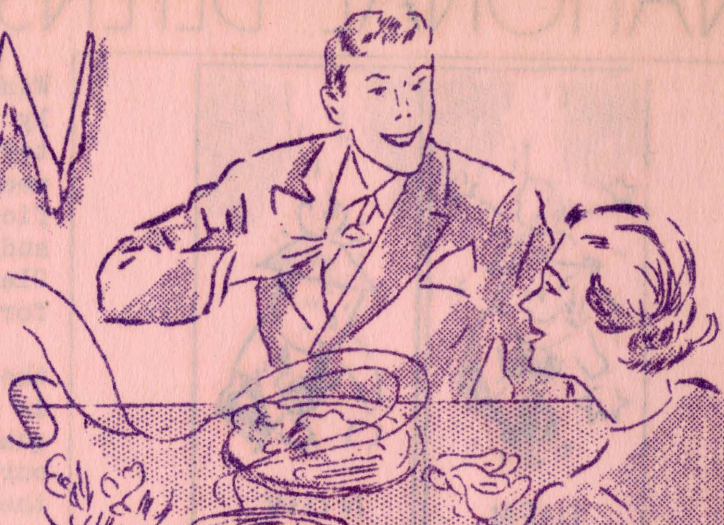
--TONY FALBO will sprout as a Beau Brummel when spring suits arrive--

--EVERY TIME A MAN IS CARELESS HE IS STICKING HIS NECK OUT FOR AN ACCIDENT.

KENNY NEELSON is taking a view of California.

FROZEN

FRUITS & VEGETABLES



ECONOMICAL HEALTHFUL

No waste. All the trimming, hulling and cleaning has already been done in modern, sanitary kitchens.

Easy to cook. No tedious preparation is necessary. Ready to use as soon as removed from the package.

VARIETY

STRAWBERRIES
RASPBERRIES
BLACKBERRIES
YOUNGBERRIES
PEACHES

ASPARAGUS
PEAS
CUT CORN
GREEN BEANS
LIMA BEANS
CORN ON COB

Better Foods in More Convenient Form

20^{¢ and up}
PKG
FOUR BIG
SERVINGS

MASON CITY STORES

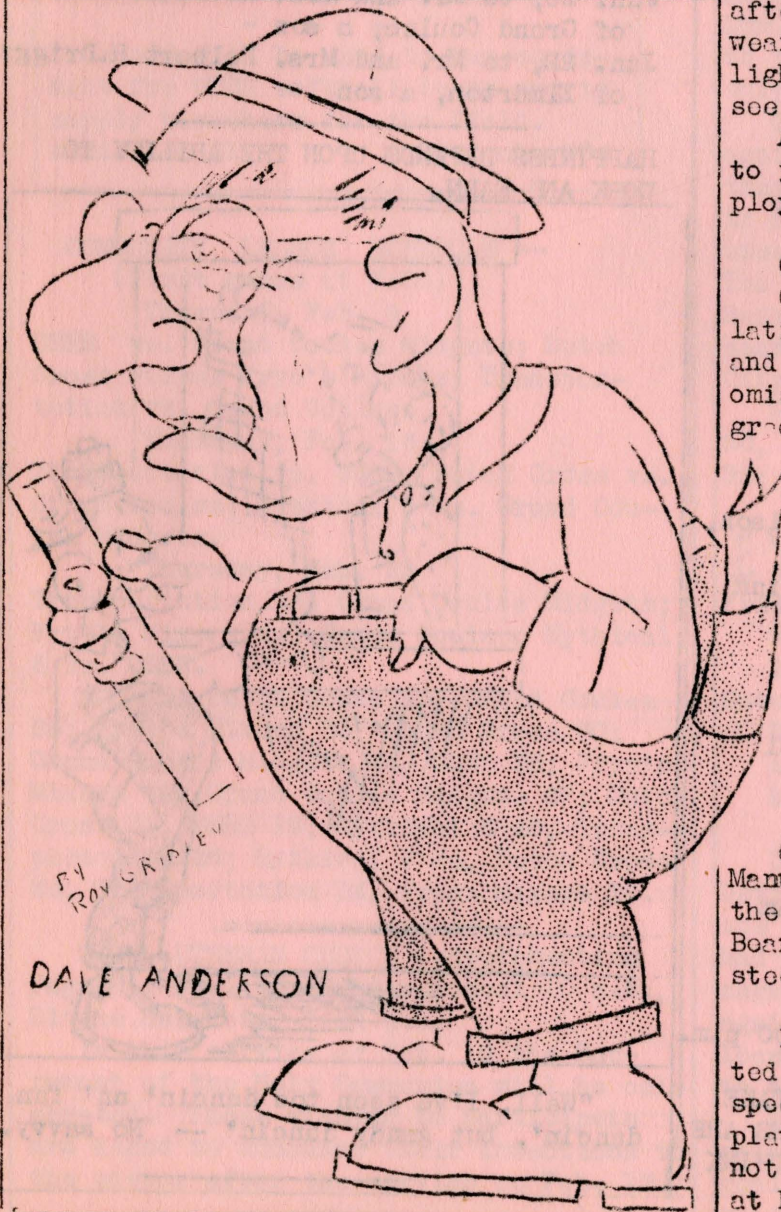
OFFICERS MEET NEXT THURSDAY

Reserve officers of the Coulee Dam area will hold their next meeting Thursday, Feb. 16, in the Mason City high school building at 7 p.m.

A selected reserve officer of the local group will deliver a lecture on a military subject of interest to everyone. Matters of local and national importance pertaining to the national defense will be discussed.

Floyd Crosby and other cameramen of the United States film service of the national emergency council, plan to return to the dam in the spring with principals in the cast for a motion picture dealing with government projects.

One way of being blunt is to get right down to the point.



NO QUITTING TIME

You are careful to work safely, but do you know that your chances of injury are more than twice as great away from work as they are on the job?

* * * *

Safety has no quitting time.

When you leave the job for home, and when you come to work each day, use the greatest care in crossing streets and highways, in boarding and alighting from cars, and in going around blind corners.

Whether you drive an automobile or walk, observe all street signs and traffic signals; never take a chance that may lead to an accident.

If you ride a bicycle after dark, have lights on it visible both front and rear.

Walk along a highway on the left-hand edge facing oncoming traffic; at dusk and after dark carry a light, or at least wear something white that will reflect light and enable automobile drivers to see you quickly.

An accident would mean loss of wages to you and of your services to your employer. WATCH YOUR STEP.

Civil Service Examinations--

Consultant in employee-employer relations; mediator, and principal, senior and associate mediators; industrial economist, also senior grade and principal grade; associate industrial economist, also assistant grade; agronomist and associate pathologist.

--MASON CITY POST OFFICE

The rate of flow and the quantity of water held in storage behind the completed dam will be somewhat controlled by 11 drum gates at the crest of the spillway, each 135 feet long and 28 feet high.

The Kilby Steel company of Anniston, Ala., will furnish bolts for the gates for \$66,112. The Sterns Rogers Manufacturing company, Denver, will make the gate seats for \$36,251, and John W. Bean, Denver, will supply four structural steel anchorages for \$35,900.

It was opening day for the newly-erected church, and in the course of the many speeches, the builder stepped upon the platform: "Ladies and gentlemen, I am not comfortable up here. I should be more at home on the scaffold."

CHURCH

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

9:45 a.m. Sunday School
11:00 a.m. Morning Worship
7:30 p.m. Vespers

CATHOLIC CHURCH--Father A. Farrelly, pastor

9:00 a.m. Mass, Grand Coulee
11:00 a.m. Mass, Mason City

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

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

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

10:00 a.m. Sunday School
11:00 a.m. Divine Services

OSBORNE GOSPEL TABERNACLE

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

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

CHRISTIAN SCIENCE SOCIETY, Coulee Dam
(in government school)

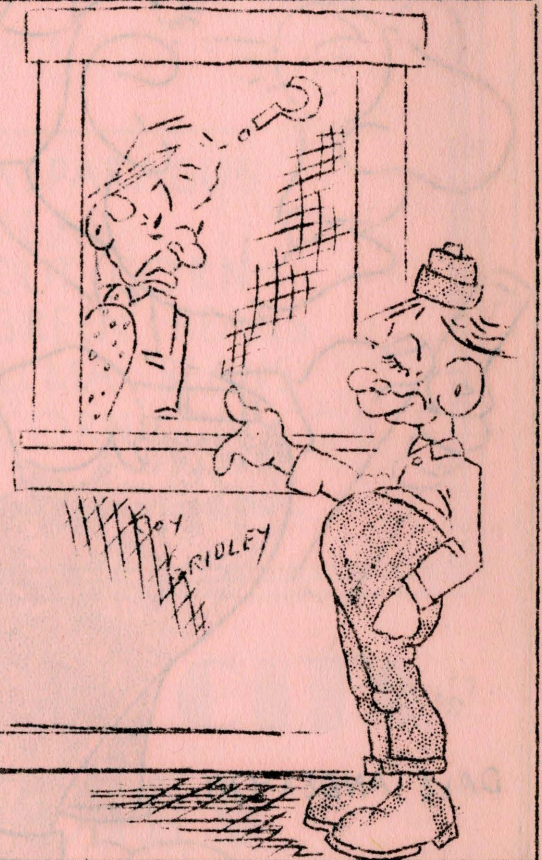
11:00 a.m. Sunday School
11:00 a.m. Church Services
Mid-week services, Wednesday, 8:00 p.m.

REMEMBER THAT IT DOESN'T PAY TO TAKE
CHANCES. THE HOSPITALS AND CEMETARIES ARE
FULL OF MEN WHO DID TAKE CHANCES. THINK
SAFETY AND ACT SAFELY.

--at MASON CITY HOSPITAL

Feb. 5, to Mr. and Mrs. J. Carl Bodiford
of Coulee Heights, a son
Feb. 3, to Mr. and Mrs. R. E. Nuttall of
Electric City, a daughter
Jan. 30, to Mr. and Mrs. Irving W. Hilson
of Coulee City, a son.
Jan. 29, to Mr. and Mrs. Frank A. Mueller
of Coulee Dam, a daughter
Jan. 28, to Mr. and Mrs. Calvin W. Moore
of Coulee Center, a daughter
Jan. 28, to Mr. and Mrs. E. L. Galbraith
of Grand Coulee, a son.
Jan. 26, to Mr. and Mrs. James M. Lee
of Grand Coulee, a son
Jan. 26, to Mr. and Mrs. Claude F. Buechner
of Grand Coulee, a son
Jan. 26, to Mr. and Mrs. Bernard Dillman
of Grand Coulee, a daughter
Jan. 26, to Mr. and Mrs. Alvin Leo Jess
of Grand Coulee, a son
Jan. 22, to Mr. and Mrs. Delbert H. Driggs
of Elmerton, a son

HAPPINESS DEPENDS UPON THE ABILITY TO
WORK AND EARN.



"Well, I've seen toe dancin' an' fan
dancin', but gandy dancin' -- No savvy."

SWEET MENU FOR GYM GOERS

FEBRUARY 20

ALL INTERESTED IN LEARNING THE FUNDAMENTALS OF FIRST AID ARE INVITED TO ATTEND THE RESUMPTION OF CLASSES MONDAY, FEBRUARY 20, 7 P.M., IN THE NORTH WING OF THE MESS HALL. RED CROSS CERTIFICATES WILL BE AWARDED TO ALL WHO COMPLETE THE COURSE.

REMEMBER, THE KNOWLEDGE OF FIRST AID MAY SAVE ONE OF YOUR OWN FAMILY IN THE YEARS TO COME.

USBR BENEFIT DANCE

Government School House
Saturday, February 18, Saturday

Proceeds will be used to buy equipment for USBR softball teams and to supply bleachers for the field.

Admission \$1 Students 50¢

COMMUNITY LEAGUE SCHEDULE --

(First games at 7:30)

Thursday, Feb. 9

USBR vs. Grand Coulee Midgets; Dutch Cross versus Frye's Mixers; Transportation vs. Grand Coulee.

Thursday, Feb. 16

Transportation vs. USBR; Dutch Cross vs. Grand Coulee; Mythical 6 vs. Grand Coulee Midgets.

Thursday, Feb. 23

Transportation vs. Grand Coulee Midgets; Frye's Mixers vs. Grand Coulee; Mythical 6 vs. USBR.

SCORES: Dutch Cross 31, Grand Coulee 26; Frye's Mixers 33, Dutch Cross 30; Grand Coulee Midgets 46, USBR 25; Frye's Mixers 49, Grand Coulee Midgets 27; Dutch Cross 35, USBR 19; Mythical 6 40, Transportation 26; Mythical 6 34, Dutch Cross 26; Transportation 34, Fries Mixers 16.

ZION LUTHERAN CHURCH (supplementing Page 8): Feb. 19--Sunday School 10 a.m., Divine Services, 7:30 p.m.

In this service of Feb. 19 the Sacrament of the Holy Communion will be celebrated. Those wishing to participate are asked to announce their intentions to the pastor after the service on Feb. 12.

THURS., FEB. 9

COULEE DAM versus the BEARDED ACES

FRI., FEB. 10

MASON CITY HIGH versus GRAND COULEE HIGH

SAT., FEB. 11

COULEE DAM versus HARLEM GLOBE TROTTERS, one of the best and most colorful of traveling teams.

All games have preliminaries.

NOTES: The Bearded Aces (Tucker's Bearded Aces) of the City of David, Benton Harbor, Mich. Last year's record: won 25 of 99 games, losing two of three with Coulee Dam. The whiskers of the Aces dance about to the tune of fast passing and showmanship.

The Mason City high school Beavers again risk their unbeaten home record when they face Grand Coulee high. Grand Coulee in a previous battle came the closest to upsetting the Beavers on the local floor. The first and second teams jointly for the Beavers have taken 25 of 28 games this season. Neither has lost on the Mason City floor.

Recent first team scores: Mason City 50, Nespelem 15; Mason City 49, Brewster 35; Mason City 44, Waterville 19.

EYES AHEAD

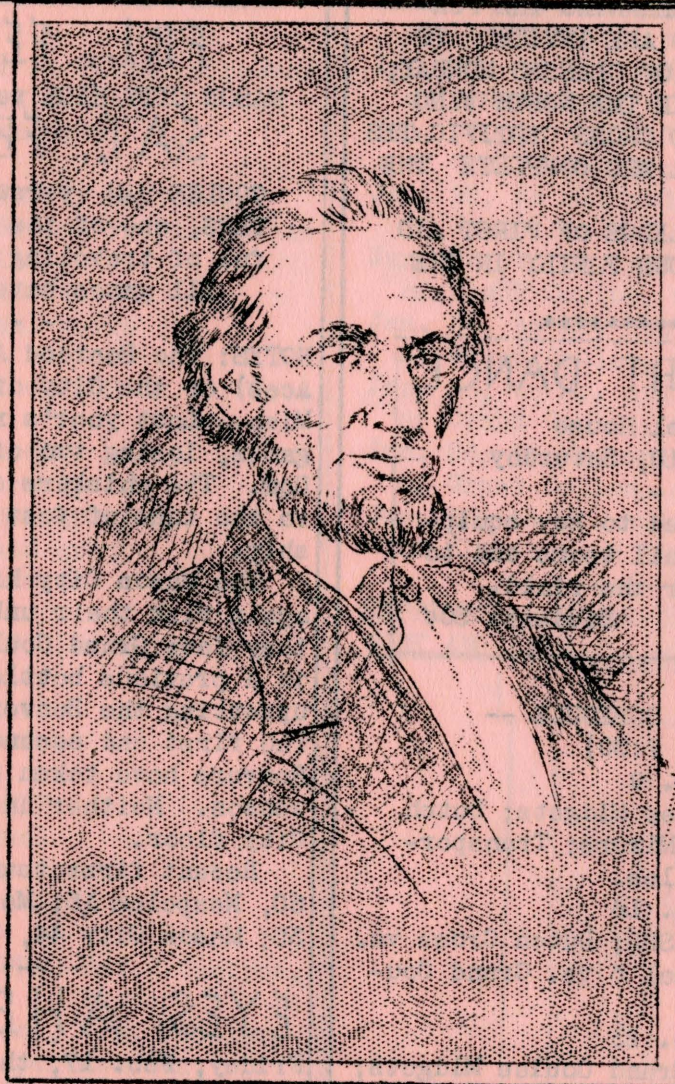
Friday, Feb. 17, the Coulee Dam Red Devils will face the Piney Woods Colored Collegians from Mississippi.

Saturday, Feb. 25, the Red Devils meet the Ozark Mountain Hillbillies, six girls and their one-man team, nationally-known Jumping Joe Satovich, center.

Uncanny loop ability by the five Red Devils made a rout of the recent game with the Whitworth collegians. Whitworth, which had offered strong opposition to the Gonzaga university frosh, never had a chance against the height and torrid eye of the locals. The wild-scoring game ended 73 to 48, with half-time 48 to 19.

Boggess burnt up the basket with 33 points, 24 the first half from 12 field goals.

ABRAHAM LINCOLN



It is the duty of every man to protect himself and those associated with him from accidents which may result in injury or death.

----Abraham Lincoln

NEW SOCIAL ROOM READY FOR USE

Ready today is another service to the patrons of Mason City stores. This is the new social room on the second floor. The room is available without charge to groups numbering up to 36 individuals. Reservations may be made with R. J. Belding, store manager.

Meetings, lectures and other social affairs may be held here. Arrangements can be made for service from the fountain or restaurant.

The room is furnished with eight new tables and with easy chairs, and has been newly-painted and curtained.

When cooling of concrete in the spillway section is cooled to a sufficient height, grout leaves will be placed for the outlet conduits at elevation 934. Cooling likely will be completed for this job by some time next week.

Cooling brings contraction of block joints through which the tunnels pass. The resulting crack must be patched so that tunnel walls will be perfectly smooth. Niches have been left in the joints for the placement and concreting of copper grout sheets.

Shortly, bulkheads between conduit gates and upstream waters will be removed and put into operation. When the gates are opened, probably about April, the river will spurt like a millrace through the tunnels.

CONCRETING MAY RESUME NEXT MONDAY

If the weather does not prohibit it, concrete will be placed behind closure gates in the spillway next Monday, Feb. 13. This will be the first concrete in the dam proper since Jan. 10. Prohibitive temperatures would be below 25 degrees. Four low blocks are open for concreting at elevation 965.

The gravel plant turned over in a test run Sunday and operated for 5½ hours on Monday. If the weather is favorable, it will be in operation Monday, Feb. 13.

The 12 degrees recorded by the USBR for Wednesday morning (Feb. 8) are the lowest on record here for nearly two years.

The rest of the eastern half of Washington has had a taste of snow, but the damsite remained peculiar--

A check yesterday by the Bureau of Reclamation revealed that only 2.2 inches of snow have

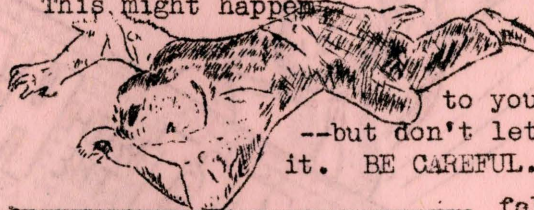
fallen this winter, none in December, two inches in January.

The total for last winter was 10.5 inches, 31.4 inches for the winter of 1936-1937.

Three of the pumping plant discharge tunnels holed through: No. 2, Feb. 1; No. 3 Feb. 2 and No. 4, Feb. 6. Trimming is under way.

An old maid is a girl who has made a miss of things.

This might happen



WATCH TRADE-IN

Turn in your
old gold--

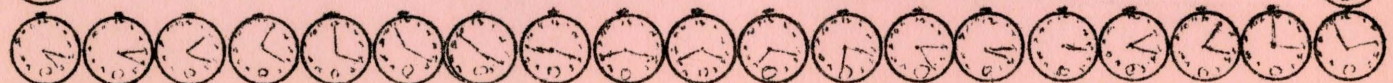
FRED N. LUDWIG
Jeweler
Mason City Store

--on new jewelry
or cash

Trade in that old worn-out watch on a new beautiful modern timepiece. Highest allowances made on your old watch.

We are also offering FOR A SHORT TIME ONLY the new line of Elgins at \$19.75 formerly priced at \$24.75. ACT NOW!

If your old watch needs repairs - lowest estimates for first - class work gladly given.



MASON CITY THEATRE

FEB.
12th - 14



OUTWEST WITH THE HARDYS

with

LEWIS STONE
MICKEY ROONEY
CECELIA PARKER
FAY HOLDEN

SUN.
MON.
TUE.

