

9-7-1939

Columbian, Vol. 5, No. 18

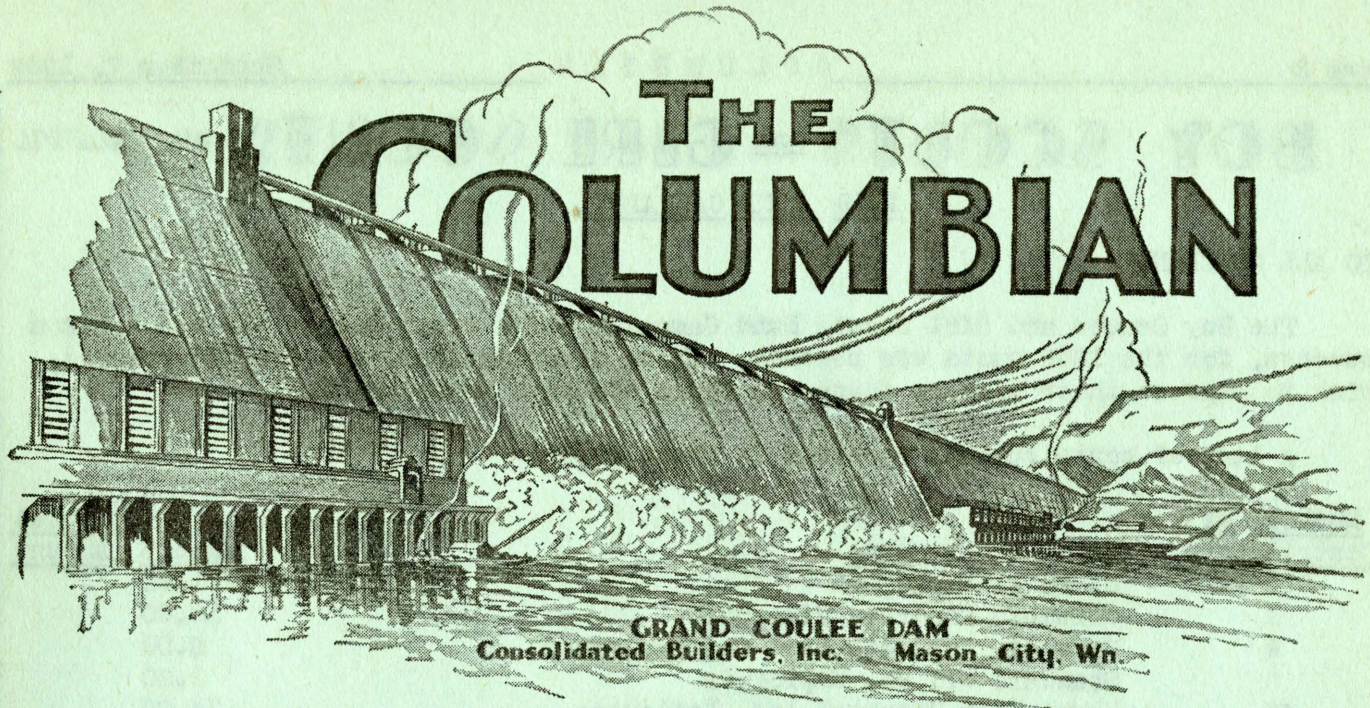
Consolidated Builders

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Vol. 5 No. 18

Dedicated to

September 7, 1939

THE CLEARANCE CARD

(The clearance card contains 30 items which must be passed upon by the USBR for every lift of every block of concrete. It lists what are passed and when. The items suggest a diversity of work which precedes and attends the placing of concrete...It becomes the duty of the CBI OK man to see that all work is in a condition satisfactory to the USBR so that the block will be available for other concrete without delay, and also to record all materials which go into a block...The following account, prepared through cooperation of departments of the CBI east field office, treats of the items in the order listed on the clearance card).

"R O C K "

Before final excavations have been completed, the USBR inspector tests the rock. He uses a medium sized piece of steel to tap the granite in various places. If the steel has no ring and the rock sounds dull, excavation continues. The majority of dull sounding rock is removed before the final OK signature is placed on the clearance card.

The USBR engineer checks on the final rock cross-section. This is to determine in total how much rock has been excavated by CBI and also to be able to arrive at a correct amount of concrete placed for all rock blocks.

FOUNDATION GROUT PIPE"

To insure the ultimate in solidity and water tightness in the granite foundation, three grouting operations are performed:

1) "B" hole grouting -- Before concrete

placing begins, small holes averaging about 30 feet deep are drilled and a mixture of cement and water called grout is pumped into them under an average pressure of about 100 pounds. "Leaks" in the rock are plugged and the operations continue until fissures and faults in the bedrock are filled.

2) "C" hole grouting - When the concrete within a 100' radius is 25 feet above the rock, the second operation takes place. Holes have been drilled through pipes into the upstream toe of the dam to a depth varying from 30 to 125 feet. Grout is forced through at an average pressure of 250-300 pounds.

3) "A" hole grouting - The final step. Grout is pumped into holes averaging 200 feet in depth. Working from the grout and drainage gallery, the pumps exert press-

(Continued on Page 3)

BOY SCOUTS and GIRL SCOUTS of AMERICA

1939 FUND CAMPAIGN

TO ALL CONCERNED:

The Boy Scouts and Girl Scouts Fund Campaign which ended August 5th was again a success, for the 1939 quota was reached. These organizations, and the undersigned, wish to express their sincere thanks to those who have contributed.

A list of contributions received is shown below:-

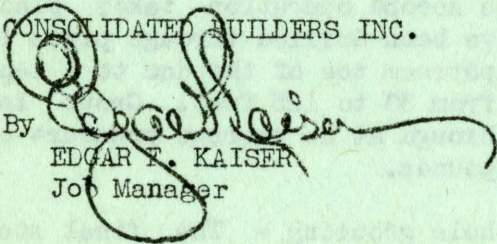
<u>Number of Contributors</u>	<u>Name</u>	<u>Amount</u>	<u>Total Amount</u>
864	C. B. I. Employees	\$701.65	
1	Columbia Concrete Pipe Co.	10.00	
4	Columbia Concrete Pipe Co. Employees	2.50	
5	Standard Oil Co. Employees	3.00	
43	Mason City Hospital Inc. Employees	34.00	
13	Lynch Bros. Employees	10.00	
4	Cater Motor Freight and Employees	4.00	
12	Motor Products and Employees	3.50	
4	Mason City Barber Shop and Employees	3.00	
13	Mason City Concessionaires, Bank and Post Office	11.50	
1	Colby Steel & Engineering Co.	10.00	
1	Guy F. Atkinson	10.00	\$803.15
<u>965</u>			
358	U. S. B. R. Employees	370.15	
30	Western Pipe & Steel Co. Employees	15.00	
1	Green Hut	25.00	
1	Coulee Dam Post Office	1.00	411.15
<u>390</u>			
81	Grand Coulee Merchants Solicited by the Lions Club	76.00	
12	Elmer City, Lone Pine and Koontzville Merchants	13.00	
45	Electric City and Delano Merchants (Approx.)	30.00	
16	Osborne Merchants	10.50	
1	Hartline Merchant	20.00	
	Nespelem	*-----	
	Coulee City	*-----	149.50
<u>155</u>			\$1363.80

*Will raise funds later.

Yours very truly,

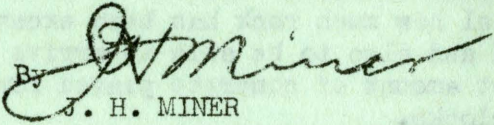
CONSOLIDATED BUILDERS INC.

By


EDGAR F. KAISER
Job Manager

UNITED STATES BUREAU OF RECLAMATION

By


J. H. MINER
Acting Supervising Engineer

THE CLEARANCE CARD

(Continued from Page 1)

ures of 400 pounds and more, thus completing the sealing off of bedrock.

FOUNDATION DRAINAGE PIPE

Before placing of concrete on the river bottom, holes were drilled into the foundation rock at intervals of every 10 feet. Through these the rock was grouted to prevent any leakage of water coming up under the dam; otherwise such a tremendous hydraulic lift might cause damage. A further precaution was to drill holes down through this grouted rock, allowing any possible seepage water to run off into the first gallery gutter through an opening up into the dam. This is called the foundation drain.

"GROUT STOP"

Grout stop is installed in all blocks for the purpose of limiting the flow of grout to certain restricted areas. The material used for grout stop is copper in strips which, when installed, is welded to the grout stop already imbedded in concrete. The USBR engineer checks the grout stop as to location and amount and the inspector checks the welding for leaks.

"GROUT PIPE WASHED"

Grout pipe fitters wash pipe which conducts the grout while an inspector checks on the work to see that no dirt or other substance obstructs an open passage. A grout pipe wash must be performed before installation.

"GROUT PIPE OUTLETS TESTED"

Grout pipe outlets exposed in a block being made ready for a "pour" must be blown out under high pressure air to show that the passage is open. Then covers are put onto them to prevent their plugging when concrete is placed over them.

"GROUT PIPE OUTLETS SECURE"

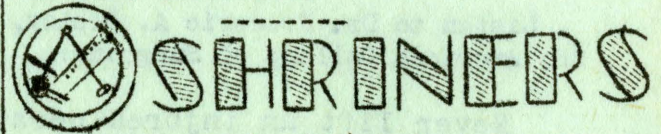
During the final cleanup inspection by the USBR, the outlets are inspected to see that they are firmly clamped to the imbedded half.

"GROUT PIPE HEADERS TESTED"

Grout headers are feeder pipes starting out a new grout system. They extend trans-

ALL EVEN-STEVEN BETWEEN THE U.S.B.R. FORCE ACCOUNT AND TRANSPORTATION DEPARTMENT OF CBI IN SOFTBALL AS THE RESULT OF A GAME LAST NIGHT ON THE GOVERNMENT FIELD. THE BUREAU TEAM TOOK THE COMPANY TEAM 8 TO 6, after having lost the first game 8 to 7 a few days ago.

It was announced yesterday morning that a third game would be played Friday (tomorrow) night, although the place was then undecided.



Tomorrow night (Friday) at 8 in the north wing of the mess hall a very important meeting will be held in connection with augmenting the program for the FOURTH ANNUAL SHRINE DANCE TO RAISE FUNDS FOR CRIPPLED CHILDREN (MASON CITY GYMNASIUM, OCT. 7).

"The dance deserves and needs a concerted drive. It is your duty to attend," emphasized Orrin A. Weldy, chairman.

"Bring your ladies."

Tonight the Spade & Maul club opens the first of its fall meetings at 8 in the mess hall, with a luncheon to be served.

Motion pictures free to the public are planned for Sept. 29 in Mason City theatre. These are expected to include a complete showing of the last East-West Shrine football classic in Kezar stadium, San Francisco, and pictures at various Shrine hospitals.

versely and longitudinally across panels in high blocks. The headers must be blown under high pressure to prove the passage completely open.

"GROUT PIPE LOCATION AND QUANTITY"

The USBR engineer inspects the block to measure and take the grout pipe quantities, check to see that the necessary amounts are installed and in the correct location. When a new grout pipe system is installed, the USBR detail inspector must also check the blocks to make certain of proper location and quantities.

"COOLING PIPE WASHED"

Cooling pipe is washed before placement. This is to insure a clear passage for water.

(To be continued)

"IT'S THE FIRST MOVE THAT COUNTS"

Over the clatter of machinery and other shop noises you couldn't hear him groan when the piece of 4 x 4 fell on him (some clumsy dolt on the scaffold got careless).

You were among the first to reach the scene. There you are and there's the victim on the floor, unable to get up under his own power. What should be the first move?

Listen to Dr. Frederic A. Besley, who retired recently as president of the American College of Surgeons:

Never lift an injured person, or his head, until he has told you whether he can move his legs or fingers.

If he cannot move his legs, his back probably is broken.

If he cannot move his fingers, his neck probably is broken.

In either case, or in the case of any other serious injury, recovery depends largely upon the 'first move.' A physician knows how to have such an injured person picked up and carried without letting broken vertebrae or other bones cut or damage the spinal cord, nerves or muscles.

Too often fellow workers in their anxiety over an injured man will roll him over, allow him to stand or even walk.

Probably the worst thing that could be done (and it is done often by persons who know no better) is to pick up a severely injured person with some sort of catch-as-catch-can hold and remove him to a car or first aid station.

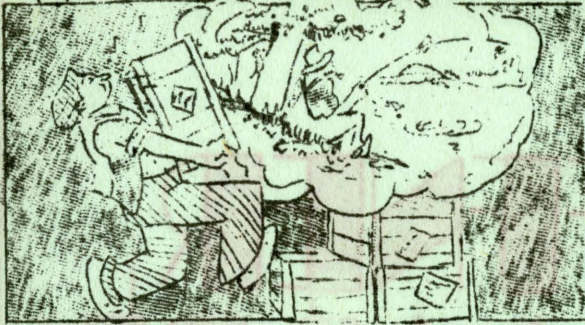
If you ever are confronted with such a situation, insist that nothing be done unless by a person you know is competent--someone who knows first aid, a nurse or a doctor. See to it that an emergency call is put in for a doctor immediately.

Remember, in any accident where a broken neck, broken back, skull fracture or other serious injury is indicated, that first move may mean the difference between life and death.

--THE SAFE WORKER

ENROLL IN A RED CROSS FIRST AID
CLASS AND BE PREPARED FOR ANY
EMERGENCY

DAY DREAMING



MAY WRECK YOU AND YOUR PLANS, TOO!

Reports have it that JACK BURROUGHS will head for the Panama project the 23rd. If L.W. "MILWAUKEE" STECKLING is here after the 16th he will not take a superintendent's job he can have on the same project.. By this time J. D. McFARLAND has landed there.

PATROLMAN MARK ANTONCICH and family (Mrs.) will move to Wilbur within a few days, on completion of his home there.

WANTED by JACK SULLIVAN-- Someone to pay for a C.O.D. parcel of ham which he concludes doesn't belong to him.

When JOHNNIE SULLIVAN left recently after JOHNNIE SULLIVAN, two JOHNNIE SULLIVANS were leaving to enroll at San Francisco University.

FRED RICE left last Friday to become acquainted with methods at Hansen dam before becoming head of the accounting department at Mud Mountain.

WARREN BOGGESS will head for Stanford within a few days, while ED O'BANNON already should be turning out for football practice at WSC.

With no instruction book handy, pet coaxing failed six ball-playing mechanics who sat out a ride in a big Buick which did not get into Davenport under its own power.

MILQ CLARE, JACK ANSLEY and STEVE DUDLEY are at Redding, ditto BENNY HAYES.

MR. and MRS. WENDELL GROVE have returned to make their home at the old homestead in Nebraska.

OLAF HAUGEN envisioned the making of a second Eden for his second home--in Brett pit.

Quite some time ago CAL HARDY of the Hardy family journeyed into the Coeur d' Alene country to desert his bachelorhood.

JIM BROWN is digging out 80% of a dollar for every dozen eggs he thinks he's going to eat in Alaska, according to his communications received here.

watch out

What a tough way to pass out of the picture!! Drawn into a whirling shaft, lashed tightly to it by his clothing and then pounded against the concrete floor--over and over again--breaking every bone in his body!.....

He was known as a good mechanic and for years had operated a grist-mill successfully--and safely. Yes, he knew his machinery, all right, but apparently did not know about the danger of loose clothing....

A loose sleeve flapping in the breeze, caught in the main shaft, pulling him in to the powerful machinery.

Industry has cases just like that.

BE CAREFUL ABOUT LOOSE CLOTHING! Guard against loose sleeves, unfastened at the cuff; loose fitting overalls; dangling neckties. When worn around machinery, they may trip you up when you least expect it, and in an instant make pulp of you.

The following note would not be of particular interest if it were not bona fide. Unusual circumstances permit its inclusion here--in exact duplicate of its typewritten form.

1/4/42/4/42

grand coulle

washington. sta a.

well kid look at this car.

it is a better car. that sixter want pull as much as the 85 will. this 85 will go 90 milè a hr.

no fool kid i was not reader to get any car yeat, but when you say you would go with me i did not lost no time.

now will you go out with me soon. i no so miny placer to go and no one will ever will no. all you got to do is this.

just get of and tell the gauther you think you will go td the show in the senter.

then cetch the bus. that all. they will never no but you mus let no just when you gong to pull that stunt.

well kid that all looking to here from you soon.

If you really do a lot of work, you don't need to talk a lot about it.--Forbes

HART SCHAFFNER & MARY



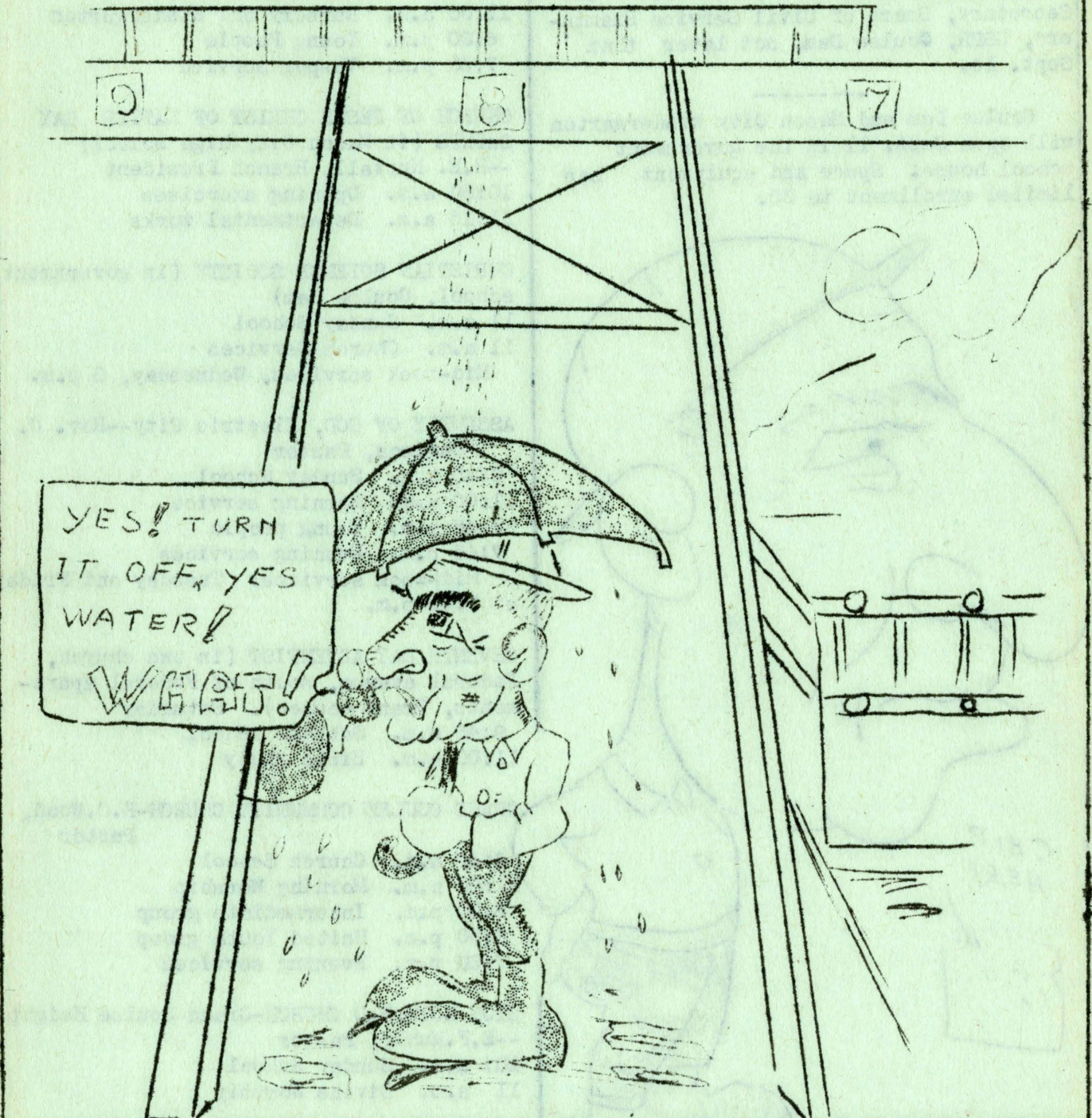
FALL SUITS & O'COATS
MASON CITY STORES

A BIG DAM

Grand Coulee dam today, although minus 110 feet of its ultimate height on the top-most blocks, is one of the high dams of the world.

The monolith to date, at top elevation 1200, is approximately 428 feet above bed-rock. It is 3850 feet long, 500 feet thick at the base, $88\frac{1}{2}$ feet thick at the top--eventually 30, and contains $2\frac{1}{4}$ times as much concrete as Boulder dam.

Yard per yard concrete rises five times as fast as formerly in the high blocks where now only two block-rows remain (A and B). In the foundation there were 10 rows. Five rows are in the high spillway blocks.



Although not literally true in all particulars, the above has a true foundation here, as many know.

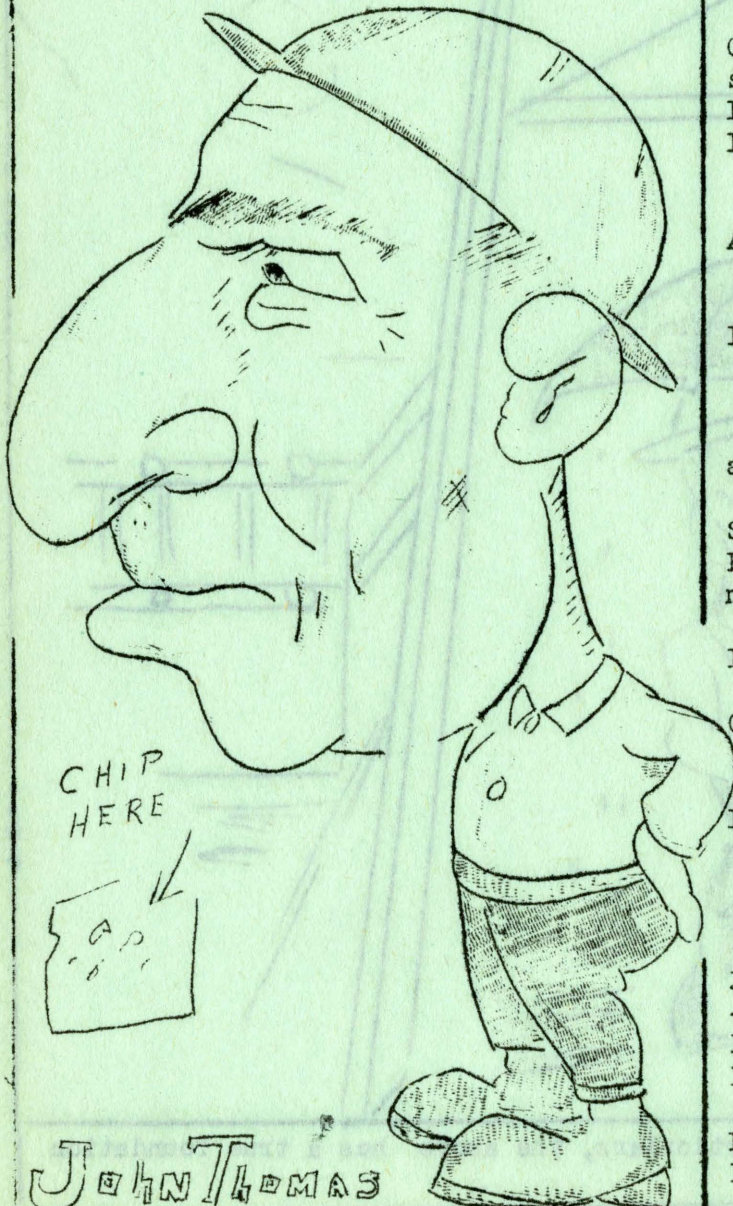
UNITED STATES CIVIL SERVICE EXAMINATIONS
for employment with the U.S. Bureau of
Reclamation at Coulee Dam

Electrician	\$1.50	an hour
Operator, compressor	1.25	an hour
Pipefitter	1.375	an hour
Helper, pipefitter	0.90	an hour

(Less 3 $\frac{1}{2}$ % for retirement annuity)

Applications must be filed with the Secretary, Board of Civil Service Examiners, USBR, Coulee Dam, not later than Sept. 14.

Coulee Dam and Mason City kindergarten will open Sept. 11 in the government school house. Space and equipment has limited enrollment to 35.



C H U R C H

CATHOLIC CHURCH—Father A. Farrelly, Pastor
8 a.m. Mass, Grand Coulee
10 a.m. Mass, Mason City

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

9:45 a.m. Church School
11:00 a.m. Morning Worship
11:00 a.m. Nursery and Kindergarten
6:00 p.m. Young People
7:30 p.m. Vesper service

CHURCH OF JESUS CHRIST OF LATTER DAY
SAINTS (in Mason City high school)

--R.E. Nuttall, Branch President
10:30 a.m. Opening exercises
11:15 a.m. Departmental works

CHRISTIAN SCIENCE SOCIETY (in government
school, Coulee Dam)

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

ASSEMBLY OF GOD, Electric City--Rev. G.
Carlson, Pastor

9:45 a.m. Sunday School
11:00 a.m. Morning service
6:45 p.m. Young people
7:45 p.m. Evening services
Mid-week services: Tuesday and Friday
at 7:45 p.m.

SEVENTH DAY ADVENTIST (in own church,
Federal avenue, south of Federal apart-
ments, 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. Intermediate group
6:30 p.m. United Youth group
7:30 p.m. Evening services

ZION LUTHERAN CHURCH—Grand Coulee Heights

--E.F. Muhly, Pastor
10: a.m. Sunday School
11 a.m. Divine Worship

ELECTRIC CITY UNION CHURCH

10 a.m. Sunday School
6 p.m. Christian Endeavor

MASON CITY
HOSPITAL
 NEWS

-B o r n-

- Aug. 30, to Mr. and Mrs. Marvin B. Irish, Coulee Center, a daughter.
 Aug. 30, to Mr. and Mrs. Sylvester J. Lake Grand Coulee, a daughter.
 Aug. 28, to Mr. and Mrs. Linford L. Barker, Delano, a son.
 Aug. 28, to Mr. and Mrs. Homer C. Christian, Coulee Heights, a son.
 Aug. 28, to Mr. and Mrs. Richard W. McKinsy, a daughter. (Grand Coulee).
 Aug. 27, to Mr. and Mrs. George W. Ross, Osborne, a son.
 Aug. 27, to Mr. and Mrs. Raymond P. McClain, Osborne, a son.
 Aug. 26, to Mr. and Mrs. John C. Hern, Coulee Heights, a daughter.
 Aug. 24, to Mr. and Mrs. Charles V. Cornell, Grand Coulee, a daughter.
 Aug. 23, to Mr. and Mrs. Allan W. Kendrick, Electric City, a dson.
 Aug. 23, to Mr. and Mrs. Charles H. Day, Electric City, a daughter.
 Aug. 22, to Mr. and Mrs. Ghamp H. Harris, Coulee, Center, a daughter.
 Aug. 21, to Mr. and Mrs. Allen A. Dunn, Coulee Center, a daughter.

INDUSTRIAL INJURIES

A tipping ladder and L.J. BOOMER, boilermaker, fell 10 feet, fracturing his left ankle. He faces an estimated time loss of three months.

Contact with a vibrator in transit brought a fractured vertebrae for R. G. DAVIES, under treatment in the hospital. He may be off five weeks as a result of the injury.

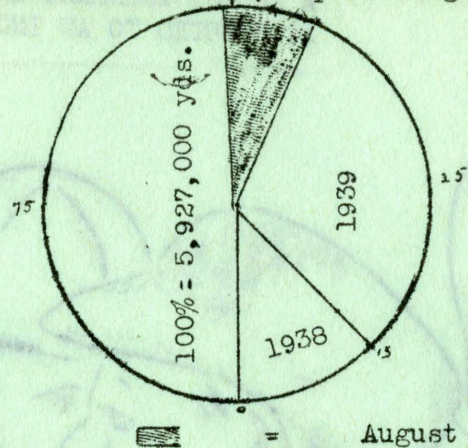
Another case of catching a finger between the bail and bucket of a concrete bucket brings an estimated loss of time of two months to DARRELL GRIMES, who suffered a compound fracture of his left fore finger.

When ADOLPH NELSON, rigger, stepped upon a material skip under the trestle, the skip tipped and he fell 10 feet, fracturing both arms, an estimated time loss injury of three months. He is doing well in the hospital.

NON-INDUSTRIAL AND FAMILY PLAN

The bite of a black widow spider while he slept sent E.C. STILES to the hospital for treatment recently. After several days of care he returned to work.

CONCRETE PROGRESS (in percentages)



CBI's biggest month, August, registered 394,704 cubic yards of concrete for 27 days of concrete placing. The daily average, however, did not equal the 15,500 yards for each concrete placing day in July.

The total concrete placed by CBI up to Sept. 1 is 50.4% (2,937,677 yards) of the total to be placed during the contract.

Youthful VERNON HAASE fell into a tub of hot water (Aug. 29) and suffered second and third degree burns. He is showing steady recovery to attentive treatment.

JUNIOR REIS entered school Tuesday in better condition following removal of adenoids and tonsils.

HAROLD DeLACY can smile now. He is responding well to an operation for a severe stomach disorder.

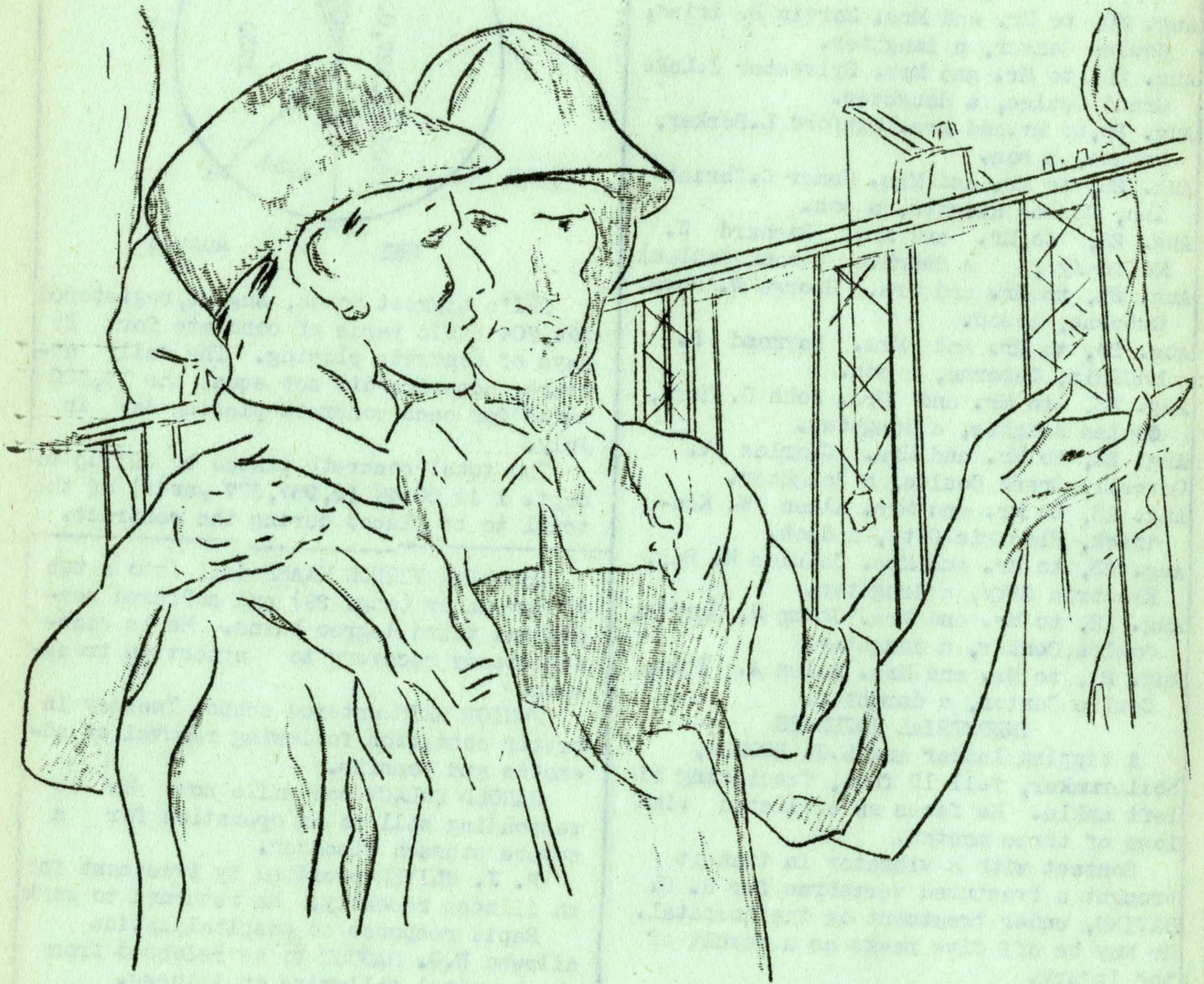
F. J. OLIVER profited by treatment for an illness recently. He returned to work.

Rapid response to hospitalization allowed W.G. DAOUST to be released from the hospital following an illness.

The American Radiator & Sanitary corporation of Denver, on its bid of \$185,660, will furnish pipe, fittings and appurtenant fixtures for the emergency-gate air inlets and drum gate spillway; while Lynchburg Foundry will furnish cast iron pipe, control valves, manholes and drains for the spillway gate chambers. (\$15,213). (Lynchburg, Va.)

The eleven drum gates for the spillway crest, each 28 feet by 135, will be furnished by the American Bridge company of Gary, Ind., for \$609,360. The gates will gross an estimated 12,446,300 pounds.

A RECENT INCREASE IN THE NUMBER OF ACCIDENTS CAN BE
ATTRIBUTED TO AN INCREASED NUMBER OF NEW MEN!



SHOW-THE-NEW-MAN
HOW TO DO HIS WORK
THE SAFE WAY • you
were green once too!

YACHT CLUB

M-E-E-T-I-N-G

The regular meeting of the Grand Coulee Dam Yacht club will be held Friday night, Sept. 8, in the basement of the USBR school house. It is important that all members attend.

Several blocks in the west end have reached their winter's height and will not be added to until winter's blasts are over. Among these are 71-A, 75-A, 83-A, 85-A and -B and 87-A.

Winter elevations for the east and west ends are 1195 and 1200.

Exceptions are nine blocks which will be built up to carry brackets for whirleys to be used when the trestle has completed its service.

These blocks, first in the future program, are 5, 7, 90 and 92 at el. 1215 and 6, 8, 89, 91 and 93 at el. 1220.

Low spillway blocks will rest for the winter at el. 1025.

Tomorrow (Friday) only one slot may be left open to carry the Columbia river over the dam, for it is likely that block 54 will be closed off by a closure gate that day. Block 34, at el. 995, probably will be the only open slot.

Of the 75,000 cubic feet of water per second passing the dam, 50,000 is being conducted through the 18 outlet tubes at el. 934.

Tuesday school enrollment figures, with last year opening in parentheses---

SCHOOLS OF THE GRAND COULEE DISTRICT--
Grades - 936 (907), high school 261 (261).

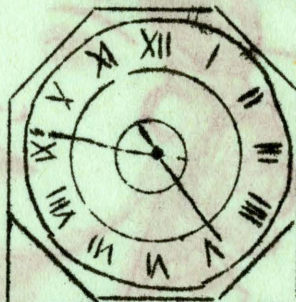
COULEE DAM-MASON CITY--
Grades 161 (168), high school 78 (70).

CIVIL SERVICE EXAMINATIONS--Junior engineer (optional branches are aeronautical and naval architecture), junior marketing specialist; psychologist, associate and assistant; associate physical oceanographer; junior custodial officer; chief budget examiner, principal budget examiner; inspector of hats, inspector of miscellaneous supplies, inspector of textiles, junior inspector of clothing.

--Mason City post office.

Safety still pays!

EVERY 24 Hours



266 PEOPLE ARE KILLED BY
ACCIDENTS IN THE U.S.
DO NOT BE ONE OF THEM
TODAY

Work began Tuesday by the Bureau of Reclamation on the drilling of a new drift off the 187-foot shaft in the west slide area. The drift, 50 feet higher in elevation than the two original tunnels, probably will be about 1000 feet long, the Bureau explained. Tunnels below have been filled with porous gravel which permits the drainage from the slide area.

VOCAL CONCERT!

Miss Ione Pierce of Wenatchee and formerly of Mason City will be presented in vocal concert Sunday, Sept.

10 in Mason City Community church at 8:00 p.m.

Miss Pierce, with a clear and rich mezzo-contralto voice, is well known in this region for her singing in numerous religious, social and civic affairs throughout the Coulee Dam area.

Her selections, from English, French, German and Italian classics, will include the well known aria, "My Heart at Thy Sweet Voice", from Samson and Delilah.

Mrs. Dorothea McPherson of Mason City will accompany Miss Pierce at the piano.

A free will offering will be taken.

The concert is sponsored by the Young People's Fellowship group.

The first section of steel liner for the first penstock unit on the east side (block 81) arrived at the government warehouse Sept. 2 by train. It will be transported across the river in a few days.

With points already set in the -81 tunnel, Western Pipe is installing equipment--rails, lights, platforms, air hose and the like for liner installation and welding.

Helen Brunstad was defeated 7-5, 7-5 last week end in the finals of the Idaho state tennis tournament at Boise.

On Aug. 27, 7-day-a-week concreting resumed. Halting of concrete in observance of Labor day was the first since Aug. 20.

MASON CITY THEATRE



WED.
THUR.
FRI.
SAT.

Robert
DONAT
GOODBYE
MR. CHIPS

