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**Consolidated Builders** 

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

Vol. 5 No. 16 main the sol an of mon

August 10, 1939

TWENTIETH CENTURY LOCOMOTIVES LEAVE COULEE DAM 'STATION" EVERY MINUTE-

and a

New York city has its Grand Central station. Grand Coulee dam has its station too. But the similarities end shortly after they start.

wenty Diesel-electric trains ply back and forth over four lines of traffic on the construction trestle. From 625 to 1250 trainloads pull out daily from the mixing plant "station" and return -- one every  $l_{\overline{z}}^{1}$  minutes of a 24-hour day, up to one every minute for a peak day. During 24 hours of operation from 400 to 800 miles are rolled off by the locomotives.

Sixteen trains are remote-controlled and are used for mass concrete placement. None of the remaining four are remote-controlled: one is for power house concreting, one is a sand train, two are for materials and muck.

cocomotives are 15 feet long and 7'2" high at the cab and weigh 11 tons, 800 pounds, as the result of an iron counterweight added at each end to increase traction. They originally weighed 10 tons each. A single electric generator which drives two electric traction totors is powered by a 4-cylirder Diesel engine of 84 horse power and of 1080 revolutions per minute. The addition of an electric relay has brought the operating speed from 12 to 14 miles per hour. They can take a curve on a radius of 30 feet. About 18 gallons of fuel are used for all trains per shift. Trains are serviced every 24 hours.

ach train for mass concrete placement is operated by one man, either from inside the cab or out on the concrete-carrying flatcar as the occasion demands. This is made possible through the duplication on the flatcar of locomotive controls. Levers are located at six points along the car for the three control groups: the throttle brake and reverse. Controls are combined pneumatic, electrical and mechanical.

Typical equipment for an liston locomotive is the 36-foot flatcar with its four cylindrical concrete buckets and space for a fifth. The 4-yard bottom-dump buckets are 6 feet in diameter and 9 feet high. Power house buckets are 4-sided. One hundred and seven buckets are available for use.

> Tracks along the trestle are numbered consecutively from 1 to 4, starting from the (Continued on Page 3)

LEARN FROM THE EXPERIENCE OF OTHERS Page 2

#### COLUMBIAN

WORKMEN TURN IN REAL SAFETY RECORD

Employees of CBI deserve commendation for the safety record they turned in for the month of July.

In comparison with June, the frequency fate for all construction departments dropped from 91 to 69 and the severity rate was slashed two-thirds, from 5.8 to 2.

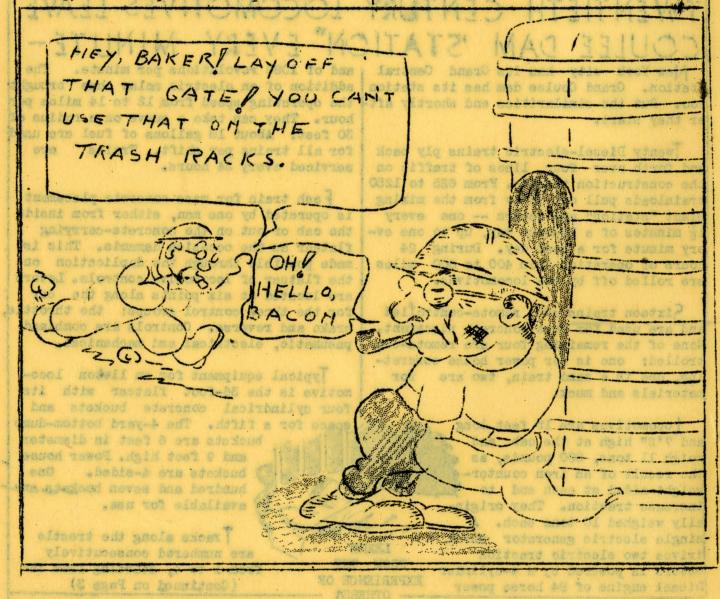
For heavy construction work such as this, the average frequency rate is about 100 and the severity rate 10.

"Frequency" indicates the number of lost time accidents per million man hours and "severity" represents the number of days lost time per thousand man hours.

Three departments making the honor roll for the month by showing the greatest improvement over June are: Gravel Pit,Plant, Conveyor & Mixing Plant; Pipes, Pumps & Curing; and Transportation department. July's departmental rating follows: Transportation (1), Cooling & Grout Pipe (2), Gravel Pit, Plant, Conveyor & Mixing Plant (3), Trostre (4), Pipes, Pumps & Curing (5), Concrete (6), Excavation (7), Carpenter (3), Material (9), Electric City & Railroad (10), Mechanical (11), Reinforcing Steel (12), Electrical (13), Trash racks (14), Blending Plant (15).

August 10, 1939

Maximum temperatures of the year were reached on July 27 at 113 degrees. This is the record-breaking mark reached by both USBR and the CBI thermometer to date. It was the fourth of seven consecutive days of plus-100 degree temperaturos. Maximum temperatures have slid down to as low as 64 since Aug. 4.



COLUMBIAN

## (Continued from Page 1)

upstream side of the trestle decking. In general, #1 is for east side concrete; #2 is for return trains; #3 is for materials, muck and sand, and #4 is for west side concrete. Cross-overs to the proper tracks are made through automatic spring switches for all return trains and for many forwardgoing trains, such as those which swing to the upstream side of the trestle for west side concrete. (As a rule, west side concrete comes from the west of the twin mixing plants.)

A locomotive operator (dinkey skinner) will move his train, with flatcar foremost, up underneath the discharge opening at one of the mixing plants. spot the train so that the first bucket is under the opening to receive a 4-yard batch from one of the mixers, move the train until all the four buckets are filled. After having been notified by the mixing plant operator over a 2-way communication SVStem as to what block or blocks to go, he heads out onto the trestle. At the proper block a crane will place an empty bucket onto the fifth bucket space on the flatcar and then proceed to .lower and empty the buck ets one by one. The usual procedure is to "drop" a bucket at each of three or four cranes. When the last of the four buckets is on its way down, the dinkey operator proceeds on down the trestle with his four empties until he passes a switch and then returns to swing over to track #2 on his way back to the mixing plants.

for power house concreting, flatcars carry only three buckets. This largely because chutes are used through the car for the three sbuckets, which remain on the car; there is no room for more. Chutes feed to a 4-yard culindrical bucket resting on the incline skip extending from the trestle to power house tracks.

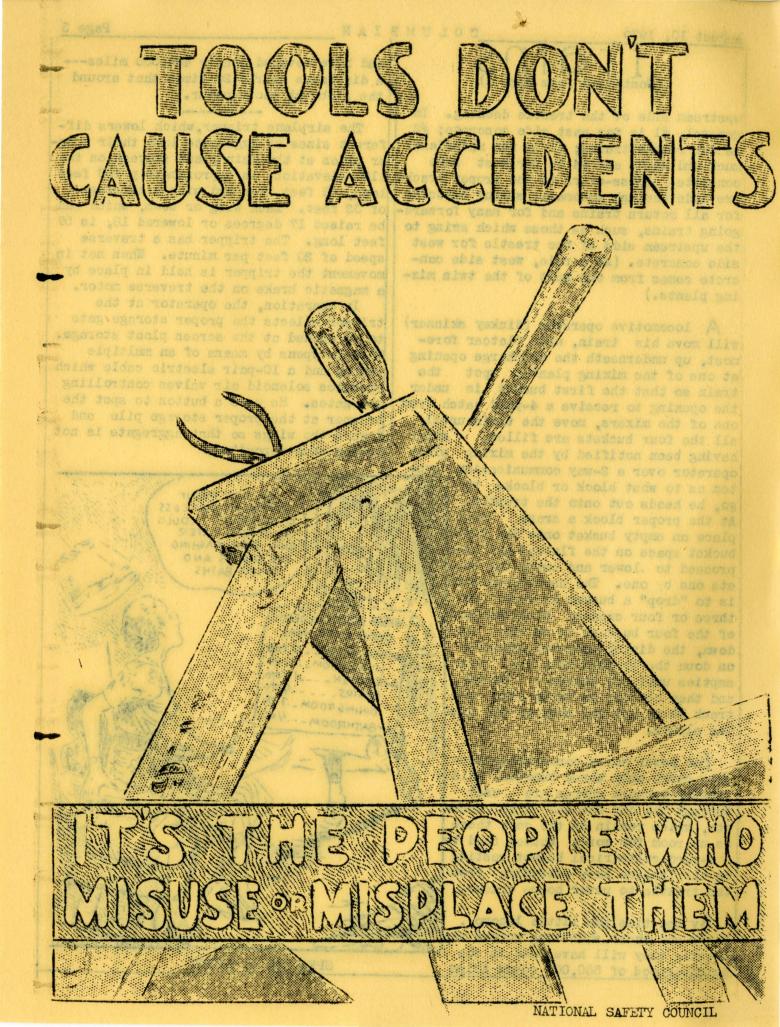
By the time the little locomo. tives end their shuttling across the trestle they will have made in the neighborhood of 580,000 round trips and have covered nearly 480,000 miles--a dis tance nearly 20 times that around the globe at the equator.

The airplane tripper, which lowers different sizes of aggregate into their proper piles at the main plant storage on the 1180 elevation, is approximately 100 feet long, 62 feet high and with a carriage of 32 feet. Each wing or boom, which can be raised 17 degrees or lowered 18, is 59 feet long. The tripper has a traverse speed of 20 feet per minute. When not in movement the tripper is held in place by a magnetic brake on the traverse motor.

In operation, the operator at the tripper selects the proper storage gate to be opened at the screen plant storage. This he opens by means of an multiple switch and a 10-pair electric cable which operates solenoid air valves controlling the gates. He uses a button to spot the tripper at the proper storage pile and lowers the wings so that aggregate is not broken when deposited.



SPEAKING OF SAFETY



#### August 10, 1939

#### NATATORS EARN 106 CERTIFICATES

FOR SWIMMING AND LIFE SAVING One hundred and **six**. certificates were earned Aug. 5 at the close of two weeks of swimming and life saving conducted by the local chapter of the American Red Cross at the government swimming pool.

Passing the required tests were 19 senior life savers, 17 junior life savers, 10 swimmers, 21 intermediate swimmers and 39 beginners.

The senior life savers:'

Doris Farmer, Warren Cox; David Leach, Merle Kime; Gailord Nelson; Ed Winter, Lyle Davis, Ralph Lockyear, Arvid Lindell, Warren Hall, C: V. Morrison, 'Ken Williamson, Ed Green; Hanley Butler, Harrell Kanzler, Robert Brim, John Ansley, Joseph Friedman and Lillith Anderson.

Junior life savers:

Jean Baird, Jackie Geyer, Jean Severence, Leo Lynch, Lois Benjamin, Clifford Moser, Martin Kreite, Howard Doolittle, Bob Beasley, Don Rice, Norman Kime, Pauline Sears, Maxine Warrens, Mary Ann Hamby, Lois Sears, Gwen Davis, Dick Waters.

Swimmers:

Mrs. Harold Abelson, Doris Farmer, Billy Baird, Merle Kime, Patsy McFarland, Mrs. Fred Rice, Frances Myers, Lee Lampson, Mrs. Lee Lampson, Gailord Nelson.

Intermediate' swimmers:

Allen Greene, Tommy Bickford, Mrs. E. L. Greene, May Ann Yetter, Flora Drim, Betty Lanius, Louise McFarland, Margaret Britian, Paula Purdy, Elaine Davis, Dorothy Johannesen, Mrs. Johannesen, Mrs. Bickford, Maxine Wiley, Jan Thomas, Mrs. Joe Kroll, Marian Grant, Don Walter, Billy Cowals, Charles Hall, Fern Schwab.

Beginning swimmers:

Mrs. Sarnick, Mrs. G.E. Fults, Mrs. Humes, Mrs. Eldon Lents, Mrs. Stover, Mrs. Brim, Mrs. Burroughs, Mildred Ottmar, Mrs. Robin Dickson, Mrs. Anderson, Mrs. Jab. busch, Shirley Johnson, Joyce Mitchell, Joan Bentley, Pauline Nelson, Dolora Ann Young, Sally Ann Challis, Paula Purdy, Mac Cameron, Billy Pontsler, Virginia Wilkes, Marylyn Beach, Dorothy Warrens, Mary Moser, Katherine Peck, Juanita Kotschenreuther, Barbara Beasley, Jerry Jackson, Betty Stover, Hubert Warnick, Billy Motsenbocker, James Murray, Billy Moser, Ray Schlobohn, Herb Arndt, Dee Keaton, Earl Keaton, Ellen Green, Kenneth Greene. FISHING DICTIONARY

FISHING: A disease from which there is no cure; "catching" but not contagious. Formerly infected only savages, small boys and village ne'er-do-wells; now attacks presidents, judges, ministers--construction superintendents and 10 million others.

PURPOSE OF FISHING: 'Formerly to inflict pain on worm, minnow, frog and fish. Now, an endurance test for fisherman -- trials by sunburn, moonshine, mosquitoes, poison ivy, lack of sleep, camp cooking and excessive confidence in "wild deuces".

PLUGS: Imitations of bananas, dill pickles, darning needles, bugs, birds, bees and animals. Primarily designed to fool fishermen and lure money from the pocket.

ROD: A sporty name for a fish pole costing over \$5. Usually sold by weight. The lighter the rod, the more they cost.

REEL: An invention of Satan; designed to come loose, get out of order, or snarl up at critical times, inducing lurid and profuse profanity.

FISH LINE: An expensive piece of string used on the reel. It snarls, gets snagged and is guaranteed to break at the right time in order to create the necessary alib<sup>4</sup> for the "whopper that got away."

CREEL: Part of a trout fisherman's uniform. A fragile wicker basket in which to hide a can of worms, carry a fly book, lunch, slicker. Occasionally used to hole small trout.

HE WHO NEGLECTS THE PRESENT MOMENT THROWS AWAY ALL HE HAS---Schiller OBJECTS THAT ARE SLIPPERY, UNWIELDY AND HEAVY NEED EXTRA CARE AND EXTRA HELP.



July 10, 1939 OLUMBIAN Page 1 rolls Membership rolls in the Mason City hospital Family Plan will be closed after next Tuesday, Aug. 15, to present employees of CBI whose families are now residing in the area. Rolls will be kept open until that time at the hospital and at the CBI employment and insurance offices. Prospective visitors of hospital patients are informed of visiting hours which must be adhered to: (NO VISITING HOURS IN THE MORNING!) Men's Ward-----1 to 4 p.m. and 7 to 8:30 p.m. Women's Ward----2:30 to 4:30 p.m. and 7 to 8:30 p.m. No children under 12 years of age are allowed as visitors. B O R N-Aug. 7, to Mr. and Mrs. Ray Wilson of Electric City, a son. Aug. 3, to Mr. and Mrs. M.M. Bentley of Mason City, a daughter. Aug. 2, to Mr. and Mrs. A. H. Randolph of Grand Coulee, a son, Aug. 1, to Mr. and Mrs. Donald S. Stephen of Grand Coules, a son. (Family Plan) July 31, to Mr. and Mrs. W. L. Cherry of Almira, a son. (Family Plan) July 31, to Mr. and Mrs. L. L. Egbert of Elmore Heights, a son. July 31, to Mr. and Mrs. D. R. Waldal of Grand Coulee, a daughter. (Family Plan) July 29, to Mr. and Mrs. L. F. Rhodes of Coulee City, a son. (Family Plan) July 28, to Mr. and Mrs. Arnold Harty of Grand Coulee, a son. (Family Plan) July 28, to Mr. and Mrs. Don D. Claytor of Lone Pine Camp, a son. July 27, to Mr. and Mrs. Ivan Chapman of Mason City, a daughter. (Family Plan) July 26, to Mr. and Mrs. Walter Wenger of Electric City, a son. NON-INDUSTRIAL AND FAMILY PLAN MRS. T. N. AMREN (Family Plan) responded quickly to an operation and left the hospital Aug. 4. She had been preceded the day before by MRS. R. J. SNYDER, who was discharged in good condition following an appendectomy. Two successful operations upon youthful patients (Family Plan) were to SUE MIKKELSON, a throat operation, and to GEORGE BATTERMAN. MRS. R. J. SNYDER departed from the hospital last week, fully recovered from an appendectomy. Two months of careful treatment that followed a bad heart attack have brought full recovery for H.H. ELLIS.

HOLD STILL HOVER THE ONE WHO FORGOT THE TRIPAD

INDUSTRIAL

When O. C. LAW fell five feet from a ladder recently, he suffered a fracture of the left wrist. He is now home with his arm in a cast.

HENRY W. BEECHER, fitted with crutches after having fell four feet from a ladder, is recovering at home. He suffered a sprained ankle.

After six days in the hospital, ED LEAVITT is convalescing at home. He was struck by a pole supporting a metal trashrack form.

BRAND COULEE DAM, 1933 Dislocation of the right knee for J. D. BRADBURY and near recovery now.

#### COLUMBIAN

MATERITI

August 10, 1939

One of the most complete coin collections ever displayed in the Coulee Dam area may be seen at the Fred N. Ludwig jewelry department, CBI stores, for the next few days. The collection contains many of the old large copper pennies dating back to early Colonial days. Two cent pieces, three cent pieces -- both nickel, as well as the silver 20¢ pieces are included. Two copies of the pine troe shilling, America's first coin, are in fine condition. The Isabella quarter, only American coin to have 8 crowned head, is in perfect' shape. Another tray contains foreign coins, many of which will never be minted again.

Page 8

Also of great interest is the nearly complete collection of over 150 commemorative half dollars, all new and in perfect mint condition, dating from 1892 to 1939, with values ranging from \$1.50 to \$60 each. Each of these was authorized to be minted by a special act of Congress and commemorates some historical event of special interest.

A gold series, each of the Indian head and Flying Eagle, ranges from \$2,50 to the Double Eagle \$20. Other gold ranges from 25¢ to \$50 value.

SOME PEOPLE DRIVE AS THOUGH THEY WERE LATE FOR THEIR ACCIDENT

CONCRETE PROGRESS CHART (in percentages)

The chart indicates that nearly 44 per cent of the concrete to be placed during the CBI contract had been placed by Aug. 1, or 2,592,970 yards. The month of July added 5.5 per cent, or 325,560 yards, a daily average of 15,500 yards for the 21 days of concreting.

35.00

1938

Shaded area representa month of July. <sup>35</sup>

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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

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

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

9:40 a.m.	unuren 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 Sunday School 10:00 a.m. Divine Worship 11:00 a.m.

ASSEMBLY OF GOD, Electric City--Rev. C. 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 service

ELECTRIC CITY UNION CHURCH 10:00 a.m. Sunday School 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.

DON'T LET AN ACCIDENT ROB YOU OF TIME, MONEY, JOB, HEALTH, HAPPINESS, LIFE.

#### August 10, 1939

#### COLUMBIAN

With play in the local American and National leagues booked to end next Wednesday night, several important postseason games and series take the spotlight.

The "world series" between the winners of the two leagues is tentatively booked for the 18th (Friday of next week), 21st, and 25th.

Spokane's city champions, the Athletic Round Table, has agreed to pay the damsite a second visit on Sunday, Aug. 20. Victors over the Chicago Hottentots, the Tablers are expected to take the Eastern Washington championship at Colfax within the coming week and Spokane fans concede them a good chance for the state championship.

The Spokane squad plans to bring their smoke-ball pitcher, Ad Safian, who has pitched two no-hit contests this year but who was outhit by Transportation here. Weiber, who held local bats to one hit, has hurled one no-hit game for the Tablers. Local All-Stars apparently have improved since the first Table contests.

The Round Table is trying to arrange for a date in Spokane on Aug. 27.

The answer to a question as to who has the stronger team, Force Account (USER) or Transportation, will dispel a lot of noise. The answer will come, starting Aug. 23, according to present plans of the two squads, who will meet for the first of a series of three or five games.

QUEENS' LE	AGUE	
(Standings up t	• Tuesday)	
Team	Won	Lost
Grand Coulee	3	0
Coulee Damsels	2	0
Mason City Susies	2	1
Elmer City	1	1
Osborne	1	3
Rockwood	0	3

Recent American and National league scores: Carpenters-Riggers 3, Transportation 2; Mason City 11, Office-Engineers 9; Concrete 5, Ludolph's 2; Empire Bakery 11, Carpenters-Riggers 2; Transportation 6, Office-Engineers 2; Western Pipe 9, Silver Loaf 7; Silver Loaf 20, Ludolph's 5; Western Pipe 17, Concrete 5 .-- Special games: All-Stars 6, Chicago Hottentots 7; All-Stars 15, Italian Athletic Club from Seattle 5.

# LEAGUES PREPARE FOR WORLD SERIES

REMAINING SOFTBALL SCHEDULE

Four of five teams in the local National league have a mathematical chance of being in the final play-off as league play is scheduled to end next week.

Games remaining after this week are: MONDAY-(6:30) Western Pipe vs. Silver Loaf; Office-Engineers vs. Empire Bakery; TUES-DAY, Transportation vs. Mason City after Queens' league contest; WEDNESDAY-(6:30) Ludolph's vs. Trestle: Silver Loaf ve. Concrete.

( Bailing over	LEAGUE STANDINGS		Monday)		
	NATIONAL LEAGUE				
Team		Won	Lost		
Silver 1	Loaf	7	2		
Western	Pipe	7	3		
Concrete	e	6	5		
Trestle		5	4		
Ludolph	s	0	11		
AMERICAN LEAGUE					
Transpor	rtation	8	2		
Mason C	ity	5	4		
Empire :	Bakery	4	5		
Carpente	ers-Riggers	4	6		
Office-1	Engineers	3	7		
	: Teams have tota	al of 12	games to		
	play.	ALL IN	enterior dependent		

RIFLEMEN COMPETE IN CAMP PERRY MATCHES

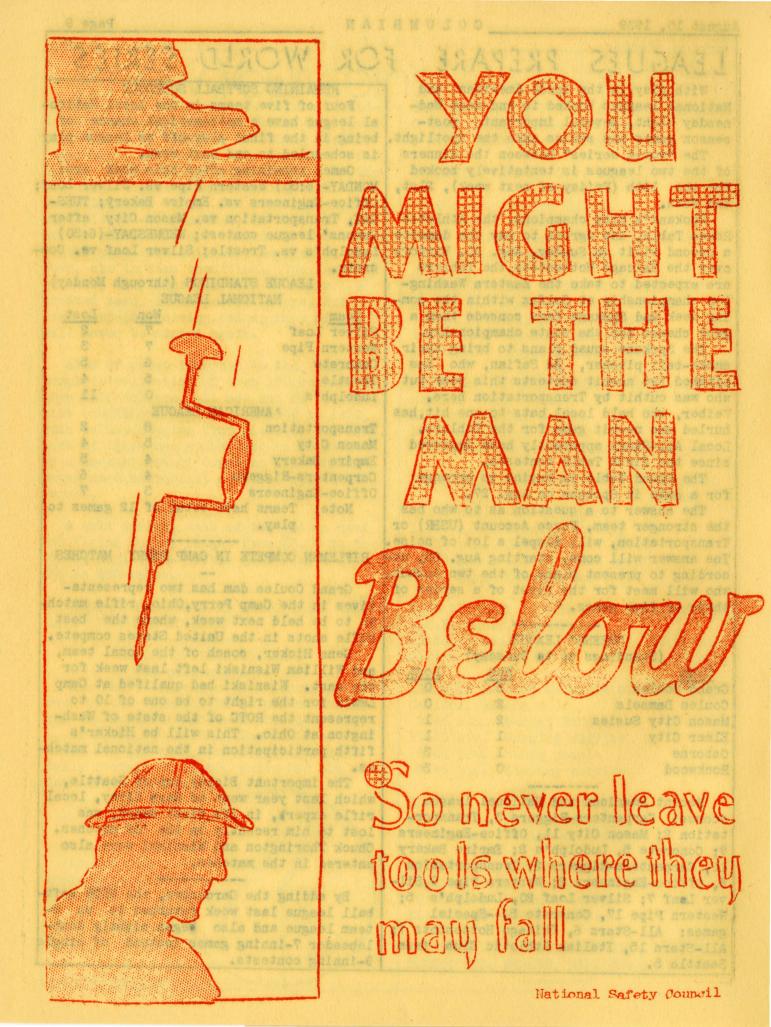
Grand Coulee dam has two representatives in the Camp Perry, Ohio, rifle matches to be held next week, where the best rifle shots in the United States compete.

Gene Hicker, coach of the local team, and William Wisniski left last week for the east. Wisniski had qualifed at Camp Lewis for the right to be one of 10 to represent the ROTC of the state of Washington at Ohio. This will be Hicker's fifth participation in the national matches.

The important Bisley cup of Seattle, which last year went to Herb Kirby, local rifle expert, in its first award, was lost to him recently in the '39 matches. Chuck Thorington and Wisniski were also entered in the matches.

By adding the Gardeners, the USBR softball league last week returned to an 8team league and also began nightly doubleheader 7-inning games instead of single 9-inning contests.

Page 9



#### August 10, 1939

#### COLUMBIAN

BLOCKS ON THE EAST END OF THE DAM ARE ready to step on up beyond the trestle. Blocks 83-A and C and 87-A and C are now at elevation 1180, trestle level. Only five feet lower are 85-A and C, while 89-A and C are at 1170. Most of the other near-

by blocks in the high rows are at 1165. Highest blocks on the west end have 35 feet to go before reaching trestle decking. Rising concrete will miss the trestle.

With the arrival Tuesday night of Victor Hurley and Roland Bradley; two script writers from KJR-KCL'O, Seattle, continuity preparations are under way for a series of NBC radio programs on Grand Coulee dam, to start some time in October.

Robert Decal, editor of "Le Petit Parisien", had takén a vacation from his home in Paris, France, to view Grand Coulce dam several days ago.

Approximately 85 per cent of the excavation for the 4500-foot east side highway is completed. This permanent section of paved highway will extend from Roosevelt avenue near the girls' dormitory through the main parking area beyond the hospital, and will continue on beyond the east rubble wall to a distance of 1300 feet south (above) the dam.

The highway will be 28-foot, with paving 22 feet wide. Present arrangements are for about 3600 feet of paving, with 900 feet at the south unpaved.

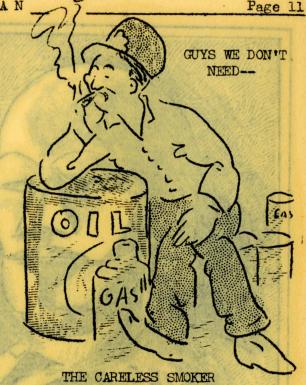
CIVIL SERVICE EXAMINATIONS--Marketing specialist (livestock market supervision), senior grade, associate grade, assistant grade; chief dietician, head dietitian, staff dietician (Veterans' Administration); lithographic transferrer, Treasury department.

----MASON CITY POST OFFICE

Prominent visitors of the past few days include Frederick A. Delano, national resources chairman, Washington, D.C., and Col. Ernest S. Bres, president of the Reserve Officers association, New Orleans.

A group of 18 farmers from the Middle West inspected the dam Aug. 1.

Mason City high school should be included in the standings of the Queens' league (Page 9) with one win, two losses.



An unusual feature at Mason City Community church Sunday at 7:30 p.m. will be a film presentation of the undeclared war in China presented by Roland S. Y. Lawler, a Chinese. Mr. Lawler is in the United States in behalf of China's war orphans.

The 2000 feet of film will show the bombing of Shanghai and Nanking, hand fighting at the battle of Pogoda hill, the attack and sinking of the Panay, China's culture and Christian mission work.

The pictures are sponsored by the Young People's Fellowship group.

Every one is invited. A free will offering will be taken.

The loss of G. A. Warning, USBR engineer in charge of fish propagation programs' in the Wenatchee and Leavenworth area, is felt by all who knew him or of him. Mr. Warning was stricken last Friday by a heart attack, which had troubled him for years. Memorial services were held for him in Mason City Community church Tuesday.

Mr. Warning had been transferred a year and a half ago to Wenatchee. He had been at Coulee Dam since early work at the damsite. He died in Wenatchee.

He leaves his wife and two children.

The West Engineers of the USBR shocked the Force Account softballers by trimming them Tuesday night 5 to 1.

