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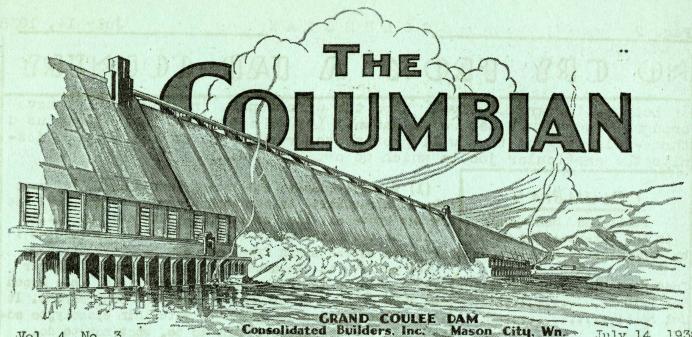
Consolidated Builders

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Mason City, Wn>

BARGESI DRESINE 13

Reaching outward from east and west abutments and towering from 170 to 245 feet above concrete is the beginning of Grand Coulee dam's highest and largest The two trestle segments are trestle. scheduled to join together over the river channel not later than Oct. 3. The time of mass concrete placement depends upon the date of trestle completion.

The trestle, of comparatively simple construction, will have 34 towers, be 3600 feet long and will contain nearly 9000 tons of structural steel, ranging in size from 14-inch H-sections in the bents to 100-inch girders in the decking. The legs, with their transverse bracing, form it wers to support CBI's mammoth cranes and other concrete-placing equipment. The steel structure will contain about 2000 tons more steel than was in MWAK's nigh trestle and will average about 30 feet more in height. Deck elevation is at elevation 1180 with the highest bent 210 feet: MWAK's trestle was at 1024 with the highest bent 235 feet.

Choice of a single trestle by CBI for transporting concrete-carrying equipment

was one of many methods considered. After careful consideration, the trestle was deemed the most feasible to perform work both economically and safely. The immense length of the dam quickly eliminated several methods, one of which was the use of cableways.

Unlike the MWAK contract with its wider concrete foundation, only the one trestle will be constructed to complete the dam. In the present trestle, footings were moved 47 feet downstream; this eliminated any need for a low or second trestle. If footings had not been moved, a low trestle or other means would have had to be devised for the placing of comparatively little concrete, suggestive of patching of a long niche lengthwise of the dam. The single trestle, however, will necessitate use of concrete-placing crames with increased spans.

The top of the trestle will fall 130 feet short of the parapet of the dam . This means that the trestle itself will not transport concrete-placing equipmen+ for last concrete work on Coulee dam, nor (Continued on Page 3)

TAKE A CHANCE. WHAT A CHUMP I WAS

(From an Accident Victim)

NO CRY FROM A FAR COUNTRY

Let us, in our own lives, heed the unfortunate mistakes that have brought misery to those we've known. Let us carry indolibly with us a three-fold program that will prevent the recurrence of accidents, despite the particular job in which we are engaged.

COLUMBIAN

in the Interests of Safety by Consolidated Builders, Inc have much we can learn from each other.

(1) We must educate the inexperienced man. We must make it a requisite in our work program to see that the Published Semi-Monthly new man knows all the "angles", day in and day out.

Let us teach the man beside us; at best he (and us)

Let us live in the acceptance that any man, however Todd Woodell. . Managing Editor experienced he is in the construction field, is a green Ray Tribble.......Editor man. WHEN HE DOES SOMETHING HE HAS NEVER DONE BEFORE. It Hal Babbitt......Artist is our duty--yours and ours--to watch him closely to ad-(vise him what to expect, what to do, what not to do.

Frank Johnson Safety Engineer

WOULD YOU DOUBT

The amount of concrete to be in Grand Coulee dam will exceed the total placed elsewhere by the Bureau of Reclamation since its beginning in 1902-and this includes concrete in Boulder and Owyhee dams.

The volume of concrete could fill a solid block to a height twice that of the Empire State building, tallest building in the world. *****

It could build a monument 100 feet square and nearly six miles high. ______

Smith: "I'm sorry to keep you waiting. but I've been setting a trap for my wife." Us: "Gosh! Whom do you suspect?" Smith: "A rat in the kitchen."

CIVIL SERVICE EXAMINATIONS----

Social worker (psychiatric); home ex tension agent, and junior agent; home econmist and associate; junior blueprint operator and junder operator; junior photostat perator and under operator.

Closing date Aug. 8. -- MASON CITY POST OFFICE:

An estimated 3000 witnessed the works given by CBI July 4.

Salt tablets were issued July 6.

(2) Let us realize that when a job becomes "duck soup to us we're either admitting we've reached our own limits on the particular job or we're no longer interested in the job. In either case, we're the prospective quarry for an accident.

Let us not pit our flesh against the unyielding laws of nature. In such a case we lose.

.(3) Let us not throw caution to the winds. Of extremes, let us rather be over-cautions and avoid chance of mistake. We have often found it to be the case -- One mistake, one ambulance.

Accident histories are over-balanced with mistakes in judgment. Eliminate these and our accident problem is largely solved.

--BUT WE NEED YOUR HELP.

The nice thing about a dull party is that you can go to bed at a decent hour.

The 1500-foot "trough" extending a long east tailrace riprap will serve to conduct waste from mixing plant cleanup.

LOST ON THE JOB-One billfold containing valuable papers and cash. Finder may keep money but please return billfold and papers.

Everott Govan, Box 416, Mason City

DON'T OVER-EXPOSE YOUR BODY TO THE SUN

TRESTLE _______ (Continued from Page 1)

will the trestle be extended upward. The dam continues to taper or curve from 500 feet thick at the base to 30 feet at the top; hence concrete volume for increased height decreases greatly. For this small volume necessary to give final touch to concrete work, other placing methods will be used.

Trestle decking for the MWAK was 28½ feet wide. That for CBI is 43. Construction of this wider trestle was considered more economical than building a new conveyor system to carry aggregate 4000 feet to a west mixing plant: In place of three tracks for diesel-electric locomotives as for MWAK, the CBI trestle will have four standard gauge tracks with numerous cross-overs. These will permit full-speed concrete placing from the two mixing plants on the east side.

An interesting item is that in looking at steel in the new trestle decking one sees steel that already; has weathered much Coulee dam history, for nearly 90 per cent of the decking is from the MWAK trestles. Practically all 60-inch and 36-inch floor beams are to be re-used, but columns are new. Steel for the trestle is fabricated by Bethlehem Steel company, contractors for erecting the trestle.

When CBI dismantled the late MWAK tresle (May 6-June 2), all steel to be used

for uniformly distributed loads.

again was either left in the appropriate places on concrete or sent to Electric City for minor refabrication. During dismantling work three trailers averaged 36 trips daily to the storage yards with from 10 to 15 tons of steel each.

Throughout the entire dismantling, fabrication and erection program an important consideration has always been close synchronization of activities in order to meet all schedules. Charts prepared beforehand showed that certain sections of the old trestle would have to be removed by a certain date in order to be refabricated in time for re-erection at a specified place in a specified time. Sched - ules thus far have all been met.

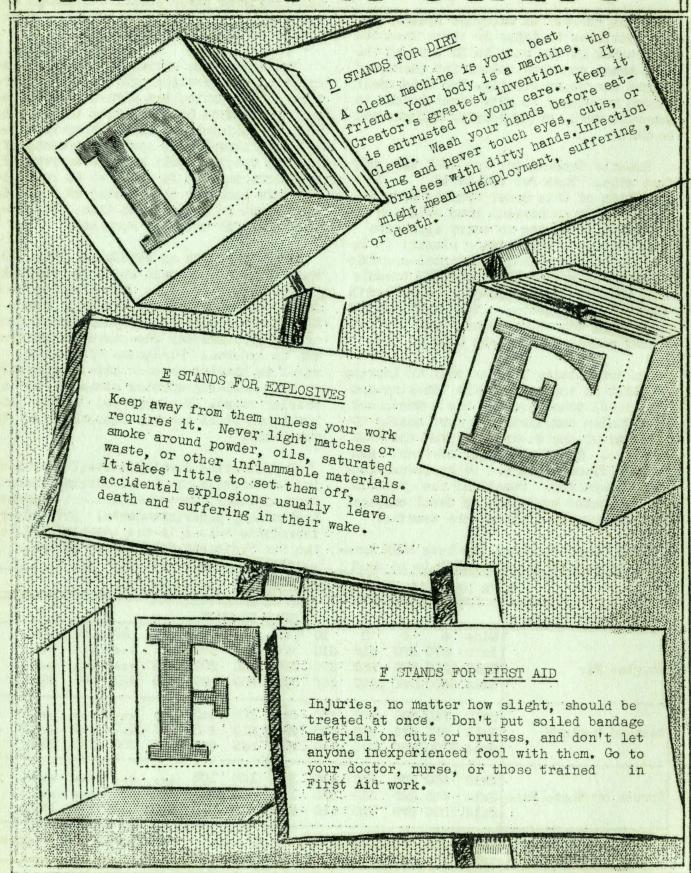
Erection began as scheduled June 13 when the west abutment stiffleg derrick picked up first steel. Erection on the east side was under way two days later. With calculations based upon tonnage figures, approximately one-sixth of the trestle is erected. Placement of trestle steel is handled on each side of the river by a skid-rig derrick assisted by a whirley crane. Men employed number 85; Bethlehem Steel company expects this to reach 150.

Representing Bethlehem Steel in building the trestle are L. L. Martin, resident engineer; Grover McLain and Clarence Leatherman, superintendents. Both superintendents helped in the construction of the San Francisco Golden Gate bridge.

tle (May 6-June 2), a							-4+-					
SAFE LOADS (in Pounds) ON PLANK FOR SCAFFOLDS, ETC.												
KIND OF TIMBER					* }	SPAN			ja. ;			
Douglas Fir	Size	4	6	8	10	- 12	. 14	16	81···	20	22	24
	2x10	870	570	415	310	250	200	165			• • •	
	2x12	1000	680	500	370	300	2340	200	155			
	3x14	2400	1560	1150	900	720	600	. 500	420	350	300	250
Western Hemlock	2x10	760	500	360	270	220	175	.145				
	2x12	875	595	440	325	260	210	175	135			
	3x14	2100	1365		790	630	525	440	370	305	260	220
Spruce or White Pine	2x10	540	360	260	190	160	125	105		• • •		
	2x12	625	425	310	230	190	150	. 125	95			
	3x14	Barrier March		720	560	450		310	260	220	190	155
		L				45	+ + + + + + + + + + + + + + + + + + +		* * * * * * * * * * * * * * * * * * * *		1000	

These are safe loads concentrated at center of span. The figures may be doub-

"ALPHABET OF SAFETY"



----FRED KANZER, nemesis of softball batters, no long, er has a government brass .-- // Where goes the unbeaten record of the Force Account? ----BOB JAMISON and RAY CONLEY as Johnnie Weismullers might? have become sunburned all ov er when female spectators sud denly appeared the other day. ----SYLVIA DeLAE, a headliner of the Mason City restaurant, headlined the Nespelem rodeo as? an equestrienne (cow-girl). ----W.KANZLER, who keeps score on the electrical department, did not want to keep his golf score last week. ----HOWARD VAN GUNDY of the hospital captured a rattlesnake with a

make venom.
---(Flash) - "Welders organize 6-piece
hand to welcome Mrs. Ralph Stout at Mason City hotel Saturday night.". "Yeah,
but let me welcome her," says Ralph.
----THREE MINUTES--AND A MAN CAN BLEED

Torked stick. He has ideas of obtaining

TO DEATH!!!!

---OLE STRANDBERG, well known here, celebrates on the barren isle of Midway with a group of engineers. The South Pacific island is but five miles in circumference.

----CEORGE BRUNSTAD, age 2, aspired to be-

----GEORGE BRUNSTAD, age 2, aspired to become a diving champ as he bounced up and
down on the end of a diving board, but

mama cut his career short.

---MRS. L. E. HOY discovered with some change of composure what a \$90 goldfish meant to her in silver dollars.

----LEROY WOLLENBERG broke a shovel the other day.

---BARNEY CONATY, who helped drive the long east tunnel, got a dog. On the first walking tour only the dog was fagged out.
---JACK MEEHAN, "---a jip, I say, --- and then I had to work the next day!"

----RAY BELDING thoroughly enjoyed a sojourn his automobile decided to take atop road gravel last week.

----What weapons will it be?--HARRY FELD-HAHN, "I'm gonna play softball."--MRS. F., "You aren't."

---W. L. GOODRICH and ERNEST JONES, veterans on the dam, returned to work this week.

YOU CAN'T BE TOO TOUGH TO GET HURT::



by a "feebul" foreman

Seems as though the foremen's dormitories got all dinked out in pastel shades and frilly furniture. Why, in the good old days us construction stiffs lived in dirt-floored tents and I hated it.

"--and," says this here taxi dancer,
"you guys gimme a pain. You do all your
dam buildin' here in the dance hall, and
all your love makin' on the dam."

Mebbe I shouldn't have went to Nespelem on the 4th. About 3 p.m. I git to thinkin' about what they done to General Custer, and I bopped the first Indian I passed; and it made her husband sore.

When I seen him in the hospital he says he can't figger how come he lost his balance; he'd just had a big drink to steady his nerves.

He figgered he was too good a man to have to work for six bits, so he'd jest do as little as possible 'til they give him a better payin' job.

I'm jest beginnin' to feel right dressy in these here tennis shorts when this kid pipes up, "But Grandma, why does that old cowboy wear his shorts over his chaps?

This USBR feller swung a right fancy fist. Part of the time he was on top and the rest of the time I was on the bottom, so we compromised and done it his way.

The widder and kids haint much consoled by his insurance and compensation settlement. Seems they loved the guy.

Bill looks this canopy bed over with a critical eye. "Spokane is a gyp town," he sez. "Five berries for a room and they ain't no mattress in the upper bunk!

Don't spit on the floor. The next feller may have holes in his shoes.



ASON CITY STORE CENTER UNDER ONE ROOF

WESTERN PIPE " HAS "IO-MILE" JCB

By Friday morning five carloads or 270,000 pounds of penstock steel had arrived at Electric City yards and welding opera tions began that afternoon by Western Pipe & Steel company, contractors for fabricating and placing the penstocks.

The 18 18-foot diameter penstocks will carry water through concrete to the power houses. Each would be large enough to permit passage of a large locomotive.

Four 10-foot-long semicircular bands of steel are automatic-welded into 20-foot sections. Every foot of weld is x-rayed to insure perfection.

An estimated 10 miles will be welded and x-rayed. The completed job involves 9000 tons of steel.

Actual placement ofpenstock tubes is at some later date.

July 12, to Mr. and Mrs. Harold Kaeser, Coulee Dam, a daughter.

July 7. to Mr. and Mrs. Archie Johnson, Osborne, a daughter.

July 5, to Mr. and Mrs. J. B. Hansen, Grand Coulee, a daughter.

July 5, to Mr. and Mrs. Jess Fallen. Electric City, a daughter.

July 2, to Mr. and Mrs. Fred Nolte, Electric City, a son.

> "What is Scotland Yard? "Two feet, eleven inches.



BUILD 700 FEET OF TRACK

Within the past week employees of J. M. Doyle; railroad superintendent, have added 700 feet of track at the reinforcement steel bending plant in Electric City.

The track will be used to facilitate handling of steel after it is shaped.

GOVERNMENT POOL OPENS Swimmers cut the water BIRTHS-MASON CITY HOSPITAL in the official opening of the government swimming pool July 3.

> . The size of the pool: has necessarily limited' use to Bureau employees. their families, children, of Mason City and Bureau.

If a fellow tries to kiss a woman and gets away with it he's a man; if he tries and doesn't get away with it he's a brute: if he doesn't try but would get away with it if he tried he's a coward; but if the doesn't try and wouldn't have got away with it if he tried he's wise.

PREPARE FOR PEAK OUTPUT OF CEMENT

Numerous activities at the cement silos under the supervision of I. S. Freshwater, blending plant superr intendent, center upon the possible steady output 1000 barrels of cement per hour, an amount never before reached in the construction field.

The discharge openings from the silos are being increased from 13 inches diameter to 16. This would permit a 50 per cent crease in cement volume. The Fluxo or main cement line will be increased from 11 to 14 inches.

The Fluxo pump control room has been completely rebuilt the unloading platform widened five feet, and general overhauling carried on.

One thousand barrels of celment are used in 1000 cubic vards of concrete.

ONE MOTOR -- NOT FIVE FOR CONVEYOR SYSTEM

Electricians began assembly last week of motor parts for the installation of one 125 horsepower motor to pull the two miles of belting for gravel plant aggregate. The motor will be installed at the tripper end of the onebelt system.

For the past contract a 200 horsepower motor was in use at each of five conveyor sections.

Doctor (inquiring after little boy who had swallowed å half dollar): "How is the boy today?"

Dorothy: "No change yet."

SAFETY KEEPS YOU EARNING!

SPOKE THE ACCOMENT

It's only a matter of time until an accident will occur in connection with the parking and use of certain automobiles on the job--- UNLESS WARNINGS ARE HEEDED!

In spite of notices, automobiles still park in barred areas near the mixing plants--none too large a place at best for trailers and trucks carrying structural steel and other heavy equipment. The parking habit at the area has repeatedly embarrassed work transportation and has only narrowly averted several accidents and property damage.

Automobile drivers at the gravel plant are reminded that THE CHANGE OF SHIFTS IS NOT THE THE TIME TO HURKY!. The little time saved getting home today might any day mean the begin ing of time on a hospital cot.

All drivers of vehicles are asked to respect warning signs and all rules of safe conduct, instead of waiting to be shocked by trayedy into humanitarian habits

DOLLARS ARE READY
FOR RIVER WINNERS

Hydrograph readings are expected daily from the geodetic survey at Tacoma to determine final winners in the river-guessing contest conducted by the Bureau of Reclamation.

From daily readings taken here either of two sets of winners will receive \$69. They are Red Norris-Charlie Osborne, guess 972.5; and Howard Doane- Vaughn Downs, guess 973.11.

The Tacoma report will determine the highest mark reached by the Columbia at any time this season.

CATHOLIC CHURCH- Father A. Farrelly, pastor SUNDAY SCHEDULE:

8 a.m. Mass, Mason City 10 a.m. Mass, Grand Coulae

COMMUNITY CHURCH -- Dr.E. T. Allen of Whitman college, supply pastor

9:45 a.m. Sunday School

11:00 a.m. Worship 7:30 p.m. Vespers

CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS— (in new gym)——R.E.Nut tall, Branch President 10:30 a.m. Opening exer cises

11:15 a.m. Departmen-VOLTS
tal works.

OSBORNE GOSPEL TAB-ERNACLE-Services at 10 and 11

a,m., and 7:45 p.m. Sundays.

NEW GYM OPEN TO PUELIC USE

Mason City's new gymnasium in the city center is now open for community play afternoons and evenings.

Ready for use is equipment for badminton and ping pong.

Basketballs , volley balls and medicine balls are expected to arrive soon.

Gym shoes are required for play.

Phone Ext. 12 for reservations.

-- Ray Forrey

CEMENT CARS DUE
In the neighborhood
of 100 cars of cement are
due to arrive at cement si
los late next week. These
will be the first of the
shipments which may reach
from 60 to 100 cars some
time during the present
contract—for each day of
the month.

One hundred cars would provide cement enough for approximately 25,000 yards of con a crete.



SET FOR NIGHT TEAMS

CBI vs. USBR, All-Star

game last Thursday-

new diamond, Mason City.

Kings of swat from all damsite communities turned to "rehearsals" this week in preparation for the opening of a widely represented twilight softball season for Mason City's new ball park. Eleven teams have already signified their intention to enter the league, including three from the Bureau of Reclamation. Other entries may yet be made.

ALL TEAM REPRESENTATIVES WILL GATHER AT hand defeat No. 1 to the Force Account to-THE MASON CITY FIRE STATION TO DISCUSS NE- night at 8:30 on the Mason City diamond.

CESSARY SCHEDULES AND OTH-ER PLANS. FINAL ENTRIES WILL BE ACCEPTED AT THAT TIME. (TUESDAY. 5:30 P.M.)

Entries to date and their organizers are: "Office (Andy Walker): Engineers (Jim Ayers); Transportation Department (Jerry Combs); Concrete Crews (Russ Hoffman); Shop Area (F.P. Caudill); Carpenters-Riggers (Ed Evans); Elec tric City Yards ("Tiny" Hunter), Camp (Dave Slee) and from the Bureau of Rec -lamation, Inspectors (Don Walters), Engineers (Robin Dickson), and Ad-Lab-Force Account (Sumner Smith).

Plans call for numerous double-headers and specialty games and other enter . tainment. Plans are under consideration for a between a picked team from the entire damsite and an' all-star aggregation from Spokano

League managers have turned to the problem keeping the dust down at the park and to the building of addition benches and bleachers. The roadway to the field has already been oiled.

RIFLEMEN - NOTICE

The first indoor practice of the Grand Coulee gun club will be held Monday night at 7:30 in the basement range of the East vista house. New shooters will be wel come.

IMPORTANT GAME TONIGHT:

The fast-stepping CBI Engineers may

This will be a transfer from the government diamond. Fred Manzer, outstanding league hurler, is no longer in government employ.

End of first hal	f of	seaso
Team	Won	Lost
Force Account	7	0
CBI Engineers	5	2
W.Engineers	4	3
E.Engineers	3	3
Inspectors	3	4
Ad Building	3	4
Laboratory	2	5 _
Independents, CB	0	7

large crowd attending SUMMARY: STANDINGS USBR--No runs, one hit; nine strikeouts; pitcher, Manzer (Force Account) CBI--One run, three hits, eight strikeouts; pitcher, Ther iel (carpenter)

SCORING-(3rd inning) on walk, low pitch, outfield fly and overthrow. Called in seventh; storm

> Games next week: W.E. vs. Ad (Monday); E.E. vs. CBI Ind. (Tuesday); Insp. vs. CBI Engineers (Wednesday); F.A. vs. Lab (Thursday).

> Scores last week: CBI Engineers 9; Lab 6; Ad 5, Ind. 4; F.A. 5, W.E. 4.

> GUN CLUB TAKES 2ND IN STATE Returns from recent 30calibre matches show that the local gun club rated second in state B class competition. The club advanced from C class last year.

> Medals for 1937 scores went to Wisniski, Vertrees, Huff, Thorington, Beery, Long, Fick and Gustafson.

Herbert Kirby and Thor ington attended the small bore shoot recently in Seattle. Kirby took two firsts.





To prevent the annual toll of death to swimmers in the Columbia river, life guards will be stationed at Elmertom beath this week, reported E.C.Stiles, Red Cross first aid and life saving instructor and examiner for the Grand Coulee branch. The

Norman Clayton and George W. Smith of Grand Coulee will take over guard duties and will be on hand Sunday to care for the increasing number of swimmers at Elmerton, said Mr. Stiles. Clayton and Smith, along with Charles Cox and James Benjamin of Coulee Dam passed Red Cross life saving examinations this week, after the regular course of 10 hours of instruction and of practice. Benjamin and Cox are life guards at the government swimming pool.

branch includes the Coulee dam area.

The WPA and Red Cross chapter are cooperating in the interests of safety along the river. The WPA supplies the men and the Red Cross the instruction and equipment, explained Mr. Stiles.

TRENCH FOR GROUT WELL ALONG

Preliminary work began last Saturday for a special grout job along the east keyway, and by today excavation for the job is nearly completed.

Along the gulley near the mixing plants a rock trench has been cut 50x6x30 feet deep. Grout holes will be ...drilled into the rock and pipes will lead up from these as concrete fills the trench.

The concrete block will provide sufficient weight for grouting. This will seal off all crevices or minute cracks in bedrock.

CBI WILL MAKE 25 MILES OF TILING
Rising in what once was Walsh stadium
is a 40x60-foot building. In this CBI will
manufacture an estimated 131,000 feet of
drain tile.

Placed in concrete of the dam, the porous earthen pipe will extend vertically in lines 10 feet apart. They will lead from immediately below one gallery directly downward into the gallery below. They will collect any water which may seep through any part of the upstream side of the dam.

MWAK did not manufacture its own tile.

2ND NOTICE

Many employees are still careless about reporting injuries that have required hospital treatment--

ALL INJURIES, EVEN VERY MINOR ONES, WHICH ARE TREATED AT THE HOSPITAL MUST BE REPORTED BY YOU TO YOUR FOREMAN.

FOREMEN MUST REPORT ALL SUCH INJURIES PROMPTLY.

Last Minute Items ~

Shortly after 3 o'clock yesterday the mercury ran wild to equal the heat peak reached June 21 at 105 degrees----

From 50 to 100 members of the Washington State Cooperative council from Pull man will dine at the mess hall Saturday noon---

By today Bethlehem Steel company has completed over 25 per cent of trestle erection. The trestle is now over 900 feet long---

Two circuit clouts by Lepper and one by Antoncich late yesterday led the CBI Independents to their first victory in eight starts in the USBR league. They downed the Inspectors 12 to 5---

IMPORTANT NOTICE

In response to numerous inquiries as to use of salt tablets--

Take one tablet—not several—with a drink of water six or more times a day. Swallow the tablet whole.

BRIEFS -- Painting of dormitories began Monday--Reconstruction of the plant is two-thirds complete--Excavation crews are ready to drill 12 tunnel ginnings at pumping plant site. The tunnels will not be completed during this contract--The river is eight feet below its high-The CEI payroll was 2250 last week. with over 3000 working at damsite--- Bethlehem Steel has begun layout steel for one of the huge 330-foot-spread double cantilever cranes--For convenience of employees and guests, the mess hall has installed an attractive portable four tain in the hallway-Slightly more than 12.000 yards of rock have been excavated for the nearly-completed east and west crane recesses -- Dismantling of eastmix began one week ago for placement at higher elevation -- Softball team wanting to enter USBR afternoon league call Columbian.

AMES EATRE