



Fourth Quarter Revised Dues Is a Saving

The revised dues rates, adopted by the membership, went into effect October 1, and for many who have already paid their fourth quarter dues a credit will appear on their next billing.

The savings resulted from deleting the regular special dues of seven dollars in the fourth quarter. Here are the savings for the fourth quarter:

Calif., Nev., Utah

3, 3A, 3B, 3C, 3E.....\$4.00

HAWAII

3, 3A, 3B, 3C, 3E.....\$3.50

3D—Calif., Nev.....\$4.00

3D—Utah.....\$7.00, \$4.00, \$1.00

3D—Hawaii.....\$2.50

3D Reduced.....6.00

Another important aspect of the by-laws revision is in the handling of delinquent members. and 3E—"a member who is sixty days delinquent in the payment of his dues shall by action of the Local Union be suspended as of the sixty-first day, unless on or before the fifteenth day of the third calendar month of such delinquency he shall have paid his arrearage in full."

In simpler terms, dues must be paid within 75 days after due to avoid the trouble and expense of reinstatement.

MEN, MACHINES RESHAPE EARTH AT GIANT OROVILLE DAM SITE

OROVILLE—To describe what one can see at the site of the world's largest earth-fill dam, on the historic gold-yielding Feather River near this 115-year-old mining town, one would have to be a Hollywood script writer. This is the most colossal project witnessed, and all the Hollywood adjectives and superlatives couldn't begin to give the reader a true picture of what Operating Engineers and other crafts are doing here.

This dam is being constructed from gold dredge tailings left many years ago, and, in this case, had it not been for automation and technological advance, those tailings would still be in place and Oroville Dam, with its hundreds of men working, would not be a reality.

While it is costing the people of California to build the dam over \$120 million, this is a drop in the bucket comparing it with the eventual water supply which will be available throughout the nation's number one state which is growing faster by the day.

The dam is part of the California State Water Resources

plan to redistribute water throughout the state. Much of the Feather River water will find its way into southern California, through the California Aqueduct system.

DOOMED BEFORE START

A few years ago, people were laying bets the dam wouldn't be built. Many problems, insurmountable at the time, were tackled. The biggest problem wasn't, "how are we going to place all the material for the dam, which amounts to some 77.5 million cubic yards" (this alone defies imagination), but

one of automating to do the job.

A year ago, Oro Dam Constructors, the name under which the eight-company joint venture plies its trade, is bashful about revealing cost figures, but they spent a cool million apiece for seven new 3000 horsepower electric diesel locomotives; installed about 20 miles of standard gauge track; built three railroad bridges at various points along the route from the reclaim area to car unloading station, plus switching equipment, repair garages, rolling stock and accouterments of a rail line.

USE OF GOLD TAILINGS

This reporter was profoundly struck by the sight of the mounds of smooth rocks, some smaller than a marble, others larger than a basketball. Everywhere one looks, there are mounds and mounds of this rock! On page one, there is a picture of a gold dredge, owned by Yuba Consolidated Gold Fields, out of Marysville. This is one of the types of machines used to dredge these "tailings," as the rock is called.

Several of these abandoned dredges may be seen with trees growing through them, and pits of rattlesnakes "protecting" them from intruders from San Francisco.

The workhorse in reclaiming these tailings, left over from the "golden days," is a gigantic "wheel," which looks like a trencher which had been over-

fed and grew too large (see picture page).

THE MEASUREMENTS

This monster, for those who have not seen it, has the following measurements: 44-43-99, that is, height, width and length. This old girl weighs 660 tons! It is self-motivated on tracks standing over seven feet high, seven feet wide and over 34 feet long.

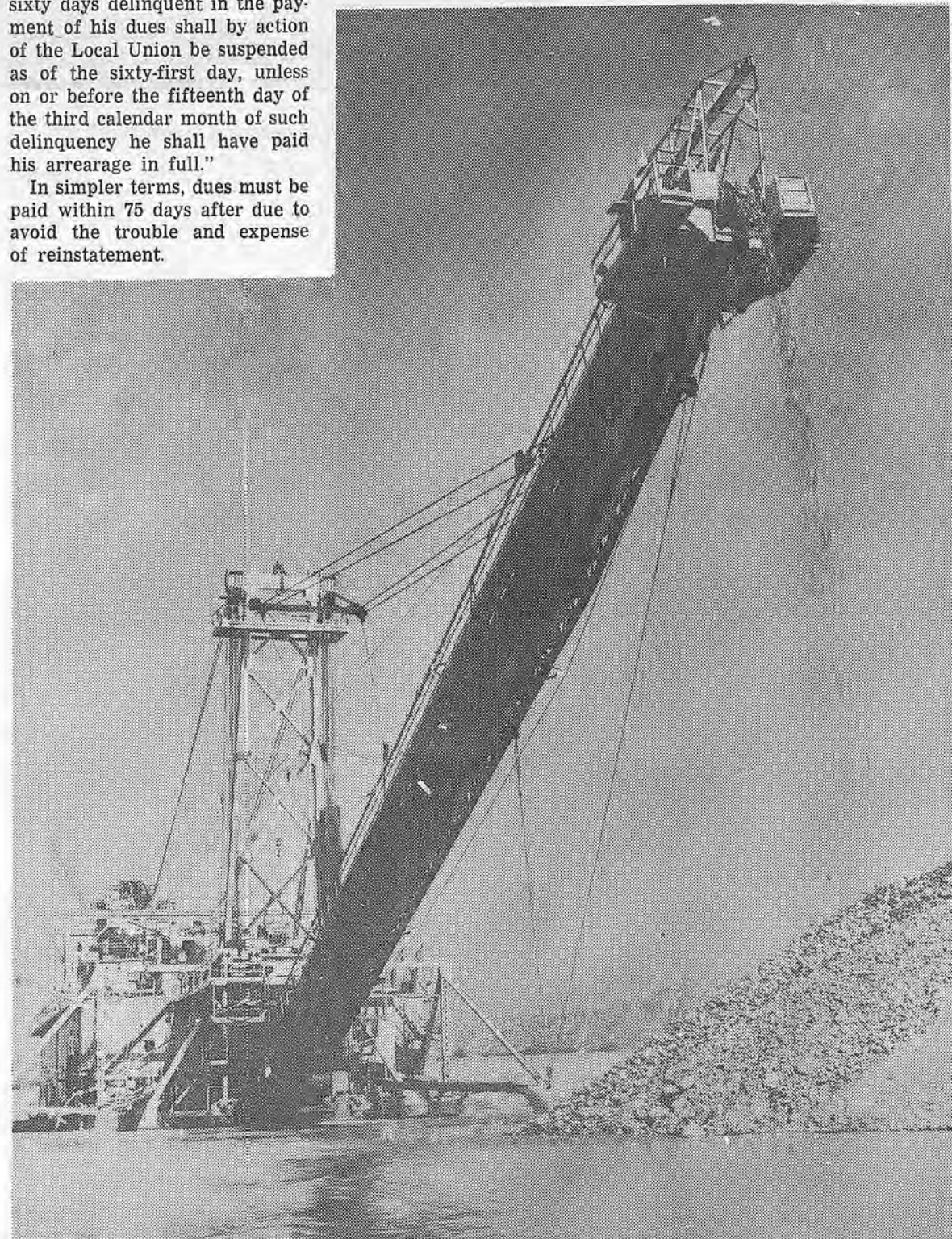
The wheel, over 29 feet in diameter from the tips of opposite buckets, has eight 1.8-cubic yard buckets. The excavator's rear conveyor boom that carries cobble from the bucket-wheel to transfer conveyor can swing in a 210 degree arc, and the bucket-wheel is capable of cutting a vertical swath of nearly 33 feet.

Cobbles, or rocks, are dumped by the buckets onto a rubber belt of the stationary boom, and then dropped to the tail boom of this German-patented machine. From there it progresses to the bandwagon, which is also self-motivating, and then into a self-propelled hopper car mounted on a track and straddles a 7500-foot long, 54-inch wide field conveyor system which carries the cobble to storage piles.

Trains enter these piles in specially-built tunnels, and the 40 gondola-type cars are each loaded in a matter of seconds through automatically and electronically controlled devices. There is, incidentally, closed circuit television "viewing" every step to the earth fill.

The trains pulled out for the nearly 12-mile run to the dam-site, where it uncouples, picks up an empty 40-car string of

—Continued on Page 7



Gold Dredges Like This One Heaped Tailings Now Used for Oroville Dam

LBJ, HHH Receive COPE Labor Backing

The California Labor Council on Political Education unanimously endorse President Lyndon B. Johnson and his running mate, Senator Hubert H. Humphrey for President and Vice President at its pre-general election convention in San Francisco this month.

The 500 delegates similarly endorsed U. S. Senator Pierre Salinger for a full six-year term. Salinger was appointed to his post by Gov. Edmund G. Brown to fill the vacancy created by the death of the late Senator Clair Engle.

Thomas L. Pitts, secretary-treasurer of the State Federation of Labor (AFL-CIO) was named chairman of the California Labor Committee for Johnson and Humphrey.

In Utah, COPE made the following recommendations: for U.

S. Senator, Frank E. Moss; 1st Dist. Congressman, William Bruhn; 2nd Dist. Congressman, David S. King; Governor, Calvin Rampton; Secretary of State, Clyde Miller, and Attorney General, Phil Hansen.

The only recommendation coming from the Nevada COPE organization was for incumbent U. S. Senator Howard W. Cannon.

Pitts praised President Johnson for his choice of Humphrey and said, "President Johnson stepped into a breach last November and gave the country leadership, wisdom, strength and warmth when the nation needed it most.

"His unmatched training for the presidency enabled him to carry forward the late President Kennedy's blueprint for a Great Society."

Memo

from the
Manager's Desk

By AL CLEM

VOTE NOVEMBER 3

The work picture still holds good. It is extremely gratifying to note that the members who are employed by Kennecott Copper are now back on the job. This, in turn, will open up many new jobs in the State of Utah. This coupled with the fact that there has been some recent letting of contracts in this area should bring some measure of prosperity to the members in our Union in Utah.

GENERAL EXECUTIVE MEETING

During the past month I had the pleasure of attending a General Executive Board Meeting in Washington, D. C., and as usual, we were able to exchange ideas with representatives from other Local Unions and gain knowledge which we hope will be helpful to the members of Local 3. While there we met with the officials from the O. J. T. Program and we presented another program for consideration along with representatives from Local 12. We are hopeful to secure approval of this program as we know the first one was highly successful. We only hope that the next program will be equally successful.

We also met with representatives of the F.C.C. relative to securing a radio channel for mobile radios to be used exclusively by the labor movement. This was also a joint venture sponsored by Local 3 and Local 12.

WESTERN STATES MEETING

During the past month we attended a meeting in Portland, Oregon, where all the representatives of the Hoisting and Portable Locals in the ten Western States were present including Regional Director James J. Twombey of San Francisco.

At this meeting the problems of the Hoisting and Portable Locals in relation to the projected power transmission interline construction were discussed at great lengths.

The Semi-Annual Meeting with the representatives of the AGC Chapters was in progress at the same time and it was a greata deal of pleasure to renew acquaintances with many of the contractor's representatives with whom we have had contractual relations.

BARTD, UNIONS MEET

No doubt many Brothers in the Bay Area are familiar with the proposed Bay Area Rapid Transit District System, which is in the engineering stages at the present time. There was a joint meeting of representatives of the crafts, the engineering firms and officials from BARTD to seek a solution whereby a suitable agreement would be resolved for this huge project which could be constructed with the very minimum of delay caused by labor disputes. Due to the complexity of the job and the number of individual contracts to be let, this will entail many hours at the bargaining table, but we feel confident that with good faith on all sides, this objective may be achieved. As the project is of several years duration, this is extremely important.

MEMBERSHIP BILLING STREAMLINED

In other parts of the paper in more detail, you will note a mock-up of a dues card and billing form which will be forthcoming some time in November. This is the result of your Union installing a 1440 IBM Computer to process the accounts of the members of our Union, as well as to do other work by mechanical means. We are looking forward to a smooth transition from the present method of processing accounts from manual to mechanical means. On behalf of the Officers and the office staff, I ask that you bear with us, and if there is a mistake, notify the office and it will be rectified as soon as possible. I am sure that by working together, this transition can be brought about by a minimum amount of inconvenience to anyone. We know that when the computer system is in full operation, we will be able to render better and more efficient service to the membership as a whole, and it goes without saying, this is the goal of the officers and the Executive Board Members of your Local Union.

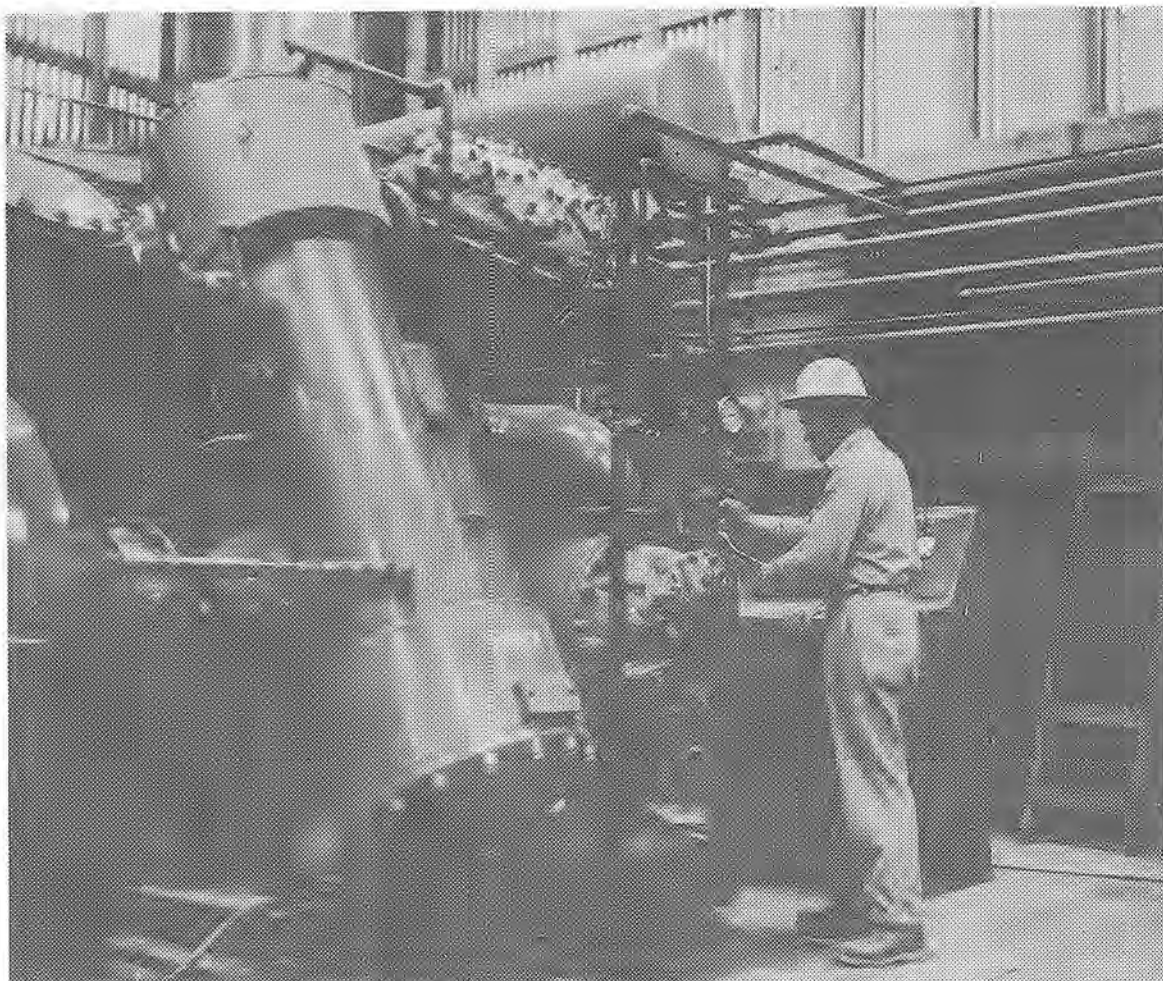
BE SURE TO VOTE, NOV. 3

Inasmuch as this is the last edition of the "Engineers News" prior to election we cannot urge you too strongly upon the importance of your casting your ballot in the forthcoming election. How you vote, of course, is part of your American heritage and your right which should always be

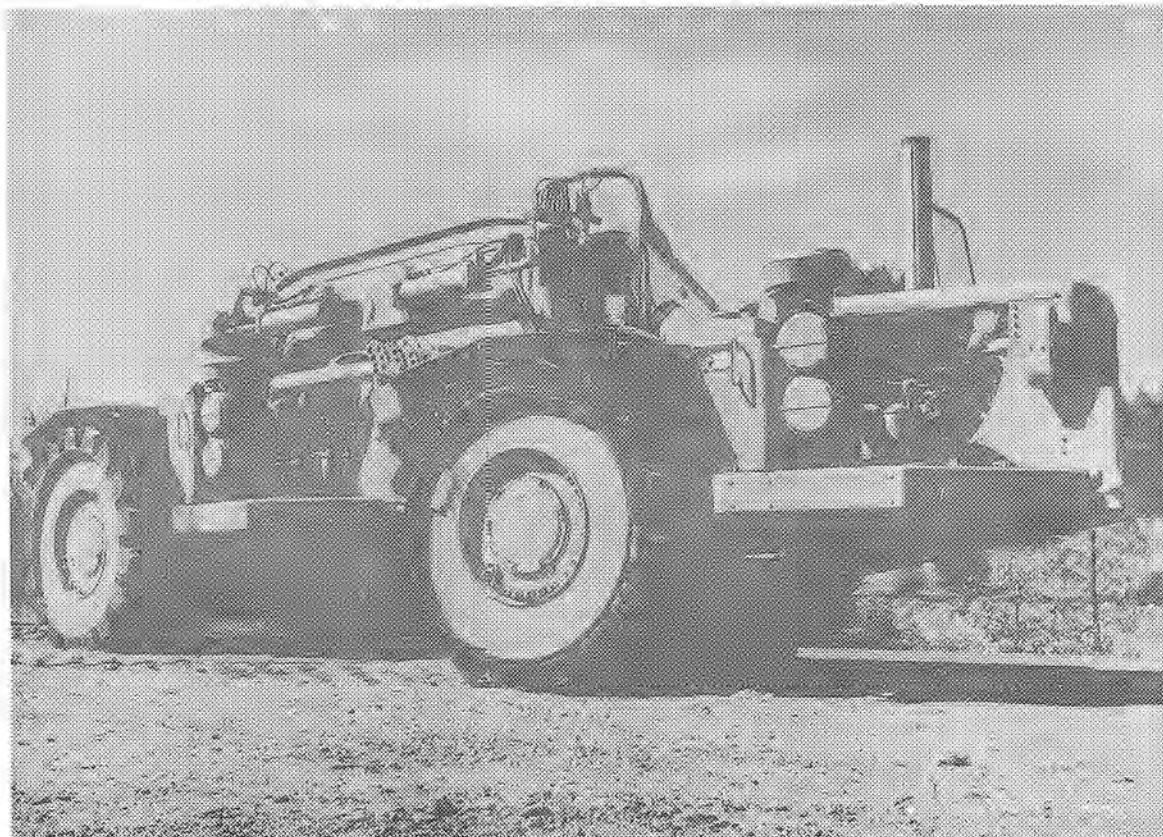
—Continued on Page 7



NEW ZEALAND . . . the tail race tunnel on South Island here is rushing along with this 100-2 Conway mucker on the Manipouri Power project, according to Brother Jim Powell, now a service representative for Goodman Manufacturing of Chicago, Ill., owners of all patents on this machine.



THIS GIANT COMPRESSOR supplies air to Oroville tunnels.



THE NEW Caterpillar Packer made debut on Oro Dam.

ENGINEERS NEWS

STATIONARY ENGINEERS LOCAL 39 OPERATING ENGINEERS LOCAL 3

Published each month by Local Union No. 3 of the International Union of Operating Engineers (Northern California, Northern Nevada, States of Utah and Hawaii.) — Subscription price \$2.50 per year. Office: 474 Valencia St., San Francisco 3, Calif.

AL CLEM Editor and Business Manager
 PAUL EDGEcombe President
 DALE MARR Vice-President
 W. V. MINAHAN Recording-Corresponding Secretary
 A. J. HOPE Financial Secretary
 DON KINCHLOE Treasurer

Democrats Dominate Voter Gains

The State of California this week released figures showing that the Democratic Party gained over 600,000 registered voters since the June 2 primary election, while Republicans during this time gained 250,000 new registrations.

Democrats in the state have an edge in registrations, 58 per cent compared to the Republican figure of 42 per cent. Yet, in the 1960 General Election, Republican forces narrowly beat out the Democrats.

The recent California COPE convention here in San Francisco endorsed President Johnson, his running mate, Senator Hubert Humphrey and former presidential press secretary Pierre Salinger, for President, Vice President and U. S. Senator, respectively. Over 500 delegates, representing all of labor, were unanimous in their selections. The Executive Board of Local 3 went on record of supporting COPE endorsed candidates.

It is interesting to note that newspapers and magazines across the country also follow COPE's selections.

The Saturday Evening Post termed Johnson a man "who has many flaws and leaves much to be desired, but who is unquestionably as well qualified to be President as any tried and tested leader the Democratic Party now affords."

While endorsing Johnson, the Post even more strongly urged the defeat of Barry Goldwater.

While the many campaigns and local issues are heading into their final rounds be sure you listen carefully and make up your mind to protect your hard-won labor gains won for you through active leadership in your union at the collective bargaining table. There are forces who would take collective bargaining away from the labor unions and substitute a nationwide right-to-work law.

The Kennedy-Johnson administration has made many gains the past four years; this may not be the time to change in the middle of the stream.

COMPUTER ARRIVES

The long-awaited computer to mechanically process membership records is being moved into the general office. The new billing system will go into effect next month and we shall depend upon our members to send in the billing card with their dues remittance to receive credit. We need your help to make the transition from manual processing of membership to mechanical.

Your Executive Board members and Business Manager Al Clem have planned the IBM system for a long time to add another service to members and accelerate handling of dues.

COLLEGE SCHOLARSHIPS

Parents of high school seniors are reminded that the Executive Board of Local 3 for the second year will award college scholarships to be awarded in June of 1965. Business Manager Al Clem said the Executive Board amended the rules to award a scholarship each to a boy and girl, based on the decision of the University of California Scholarship Selection Committee. Students must have achieved a minimum grade average of "B" in any public, private or parochial school throughout the jurisdiction of Local 3, which includes Northern California, Northern Nevada, Utah, Hawaii and Mid-Pacific Islands.

Letters for application should be sent to W. V. Minahan, Recording-Corresponding Secretary, at 474 Valencia St. in San Francisco, Calif.

Clear-Cut Choice



HOW TO COPE WITH THIS FALL'S PRICE RISES

By SIDNEY MARGOLIUS

Led by food and housing prices, your family will cope with higher living costs this fall, except for appliances and clothing, still selling at relatively low prices.

The price problem calls for close attention to selecting the better values in food. The Dun & Bradstreet wholesale food index recently hit its highest levels of the year. This is a warning of higher food prices through Winter. Recent rises in the cost-of-living index already have pushed living costs to a new high plateau, and have wiped out at least a little of the benefit you got from this year's tax cut.

The government could help defend both consumers and business men from some of the new inflation now threatening. The government has large stockpiles of metals and other raw materials, including copper. If the General Services Administration offers to sell some of its huge reserve of copper and other metals on the open market, it could effectively quiet the bouncing prices.

Higher prices of copper and other metals used in housing affect home building and renovation costs, and the cost of housing already is the most serious living-cost problem. Joseph P. McMurray, Chairman of the Federal Home Loan Bank Board, reports that the average selling price of a new house has gone up \$1500 in the past year to a new current average of \$23,474. This means the average worker can't afford the average new house being built today. In fact, he can afford just about half of one of these new dwellings. The usual yardstick is that you can afford a house about 2½ times your annual income. On an income of \$5,000 a year (typical industrial wage today if you work all year), you can afford a house priced at about \$12,500.

Here are suggestions for coping with this fall's high housing and food prices:

HOUSING: There are four trends to moderate-income homeseekers:

1—Mortgage interest rates have dropped to the lowest point in recent years. The lower rates generally in existence today are one of the real achievements of the Kennedy-Johnson Administration. Average mortgage rates now are 5½ per cent for new homes, and a little under 6 for older

houses. In some areas, especially the West Coast and South, rates are higher.

The three kinds of mortgages usually available to you are "conventional," FHA and V.A. In FHA and V. A. mortgages, these agencies insure the lender against loss, but as with the conventional type, you arrange the mortgage directly with local lenders.

On FHA and V.A. mortgages, lenders may charge no more than the maximum set by the government (although there may be a variation in some extra fees such as closing costs). The current FHA rate is 5¼ per cent plus one-half of 1 per cent for FHA insurance guaranteeing the lender against loss, or a total of 5¾ per cent. The V.A. rate is 5¼ per cent.

2—Another help to homeseekers is provided by the 1964 Housing Act just signed into law by President Johnson. Among other benefits, the Act provides for direct home loans to the elderly, as well as for farm housing. The Act also provides for home-improvement loans at an interest rate of only 3 per cent for low-income families in urban renewal areas, or bring their homes up to local standards.

Still another important change authorizes FHA to pay for the correction of defects in homes bought from now on with FHA mortgages, if the builder defaults. This gives the FHA mortgages added value to home buyers even if the interest rate is no lower than on the conventional type.

3—Another help is while prices of new houses are still climbing, prices of older houses have leveled off.

4—For renters, one help is that an oversupply of new apartments has developed in some cities—not a real over supply but an over supply at current high asking prices. The result is that more concessions are being offered in the new buildings, and rentals in older houses are being pushed down.

FOOD BUYING CALENDAR: The major price problem is protein foods. Turkeys are the buy of the month. They are in especially heavy supply this Fall. Among red meats, beef, although it has gone up, still offers some relatively good values. Cheese is in heavy supply, and can be used to substitute for or supplement meat in many savory dinner dishes. Also take advantage of this year's bumper apple crop—the biggest in 27 years.

Obituaries

Name	City	Init. Date	Date of Death
Wilford Anderson,	Hayward, Calif.	12- 6-47	8-27-64
Stephen Andrews,	Walnut Creek, Calif.	7- 9-61	9-10-64
Tom Evans,	French Gulch, Calif.	3-12-47	8-31-64
Marrie Dyer,	Eureka, Calif.	11- 7-53	9-17-64
Richard Ghilotti,	Carson City, Nev.	11- 7-42	5-23-64
Rudolph Hugi,	Girdley, Calif.	12- 4-48	9- 8-64
Cyrus Kaiser,	No. Sacramento, Calif.	6- 8-42	9- 3-64
Allen C. Peterson,	San Francisco, Calif.	8- 5-50	9- 9-64
Othon B. Romero,	Newark, Calif.	1-11-64	9- 2-64
*Industrial accidents—one.			

Two New Jobs To Bolster Economy for Engineers

By TOM ECK and
JERRY MARTIN

REDDING—Two major new jobs are expected to help reduce this district's out-of-work list to the bone. The list now is very small, and we are short in several classifications. Over 200 dispatches were handled the past month and the workload is reaching the peak of the season.

However, in the uplands, we detected snow flurries, while some of the dirt spreads were turned into mud pools during recent rain squalls.

Granite Construction Company was awarded the Iron Canyon Dam (another portion of the Pit-Cloud project). We have dispatched several operators, and they are in the process of preparing shop and office areas and pioneering access roads to the jobsite. This is an earth and rock fill dam 200' high, 900' long with approximately 1,700,000 cu yards of material.

The company is planning to single shift now, and perhaps switch to a two-shift operation next season. Joe Luco is Project Manager, Howard Modie is General Superintendent, and Brother Wilson is the Master Mechanic. This is a good job which will keep several Brothers busy for many months.

BELLA VISTA PROJECT

The long anticipated, talked about Bella Vista water project is about to become a reality. Bids on the first phase of the job will be opened by the U.S. Bureau of Reclamation on October 20, 1964.

Napa River Span To Start Shortly

VALLEJO—Gordon Ball and Syar and Harms are finishing the Vacaville part of their Highway 40 job, and are going strong on two sections between Fairfield and Vacaville, and from Vacaville to Dixon.

Parish Brothers is still making mole hills out of mountains on the Marina Vista project. With a big push for completing coming from Prodanovitch Construction Co. doing the underground and Olympic Dredge in the water.

Frank Moberly is moving equipment and men out of the Mare Island Housing project with the finishing touches now being made.

The widely talked about Darkenwald M&K venture on the Benicia Cordellia Highway is moving very smoothly with word from the office that they will not be going two shifts after all. They are confident they can finish on schedule with the crew they have got now.

Syar and Harms started the new Yolano Mobile home park located at Yolano and Enterprise Streets in Vallejo. This is only one of a dozen or more jobs which is keeping our Brothers working.

We have several projects planned to start this year and 1965. One is 13.5 miles of State highway from Denver to Rio Vista.

It is noted that the Napa River span construction will open soon and will widen the present two-lane road to four lanes to Interstate 80.

The first contract will consist of the Wintu Pumping Station and a chlorination station on the project.

Invitations to bid the pipeline laying have been sent out and the bids will be opened November 3. The entire project, including a contract to install a 4 million gallon steel storage tank, is expected to go for about \$7 million and all phases under construction by mid December. Looks like a good winter job for some of the Brothers.

FREEWAY WORK

The Gordon Ball freeway job has reached that stage where some of the Brothers are not getting in full time each week, but with new work opening we hope to place these Brothers on other projects.

Ferry Brothers is keeping a good crew of Brothers going on this same freeway job as well as the new work they have picked up in Palo Cedro. The Norman Fadel job at Anderson is moving well, despite the traffic problems.

Fredrickson and Watson kept large crews busy on projects at Red Bluff and Corning. The J. F. Shea Company is doing a number of small jobs around the area and keeps some Brothers going part time. H. K. Ferguson Company and Daugherty Company on the Kimberly-Clark Plant coming to a head finishing out with small crews.

The Chicago Bridge and Iron Company is doing tank jobs out of Red Bluff and Enterprise.

Most of the Rock, Sand and Gravel Plants in the area, such as J. F. Shea Company, J. H. Hein Company, Oaks Sand, Gravel and Cement Company, Trinity Sand & Gravel, T.H.R. Company and Houghtby & Son are going full blast. The Ransome Company sold its Cottonwood Plant to Dick R u s h Construction Company, who is dismantling it and moving out of the area.

We recently signed an "Equipment Dealers" agreement with the U & I Equipment Company, on Hiway 99 south of Redding. The Company is the dealer in this area for Michigan, Clarklift

and Linkbelt Speeder companies. We are negotiating an agreement with Dale's Salvage Yard, and hope to have an agreement in effect with it shortly.

In and around Mt. Shasta, Fredrickson-Watson is paving and cleanup on 99 West. Also O'Hair has a good bunch of our Brothers busy making aggregate, hot mix and paving. While out of McCloud at the dam, Peter Kiewit has added to the complex with a crushing rig and everything seems fine. Out of Callahan, Gibbons & Reed is digging out of one rock cut with the 180 (DOG) and they'll move it up to another and punch out more road way using two shifts.

KEEP TIME RECORD

The necessity of keeping a written record of days and hours worked is becoming more important. In the processing of a grievance involving a certain time period, it reflects how important this can be since it usually is difficult to remember what you had for dinner the day before yesterday, let alone what time you finished work ten days ago.

How many times have you had a shortage on your pay check and because you were able to tell the Superintendent or Foreman the exact time you started and quit each work day during the pay period in question, it was accepted and there was no difficulty getting pay shortages corrected.

There are many reasons why you should keep a written record, the most immediate one being if your employer went bankrupt you would have to know the exact hours worked day by day if you had any hope of a satisfactory settlement on your wages.

Your pay check stubs are invaluable to you in the collection of health and welfare and other fringe benefits.

On arriving home immediately write on the calendar the actual hours worked that day, and once a week total it in your time book. So with your Dispatch slips, calendar and time book it builds a good substantial piece of recording facts. Also, it will make it easier for your Business Representatives to help you collect,

Your Choice: 'Good Old Days' Or Protect Hard-Won Gains

By BILL RANEY,
MIKE KRAYNICK

SAN MATEO—This area, as well as every corner of the jurisdiction of Local 3, and the entire nation, today is faced with one of the biggest political battles of this century. These hotly contested political campaigns seem to be the backbone of our nation which gives it its strength.

We are continually lambasted by one political faction or the other each proclaiming "how bad the good guys are and, conversely, how good the bad guys can be."

On the one hand, advocates of the "good old days," are preaching Malthusian theories reminiscent of the "feudal days." This theory, dominant in the 17th Century, was proposed by a man named Malthus. For years men were jailed, and worse, for suggesting publicly that an attempt must be made to improve working conditions, welfare and hike wages.

You do have a choice. Which shall it be—return to the "good old days" or protect hard-won gains made through your Union and its powers of collective bargaining?

November 3, go to the polls and make your choice known through your constitutional privilege and cast your vote!

BLOOD BANK

The semi-annual Blood Bank day of the San Mateo Building and Construction Trades Council will be held Saturday, Oct. 10, at Peninsula Hospital from 7:30 a.m. until noon. When you give blood, you help yourself, your family or a Brother Engineer or his family. You also receive a free breakfast and a bit of the "elixir."

The previous Blood Bank day in June was very successful, and we hope this will top any previous output.

THE WORK PICTURE

Many of the larger jobs and longer shifts have nearly finished for the season, however, many smaller jobs are continuing to hold down the out-of-work list around the area.

Some work starting include: J. R. Ramos Company, underground work on Serramonte project off Skyline Blvd.; Fisk, Fienzie and McLean, awarded a

\$270,000 grading and paving job, plus all utilities for the city of Belmont. This should help several Engineers.

Bahr and LeDoyen, Inc., is starting on street improvement work in Redwood City, amounting to \$172,000; Douglas and Woodhouse is stirring after a period of inactivity; S and Q Construction Co., of South San Francisco, picked up a \$100,000 sewage disposal job in Redwood City area; Granite Construction was awarded an \$894,000 contract for site development of Mariner's Island, in San Mateo, adjoining Foster City's project. This is only one part of a much larger project for the future.

Buss Haskins' spreads are working full time. One of the better paying jobs, located Burlingame next to the Bayshore highway, sees shovels, dozers and blades under the able eye of Brother "Hardrock" Martin. This is a combination bay-fill, industrial park, drive-in movie and small boat marina. Developer is Keystone Enterprises and is supervised by Brother Bill Scott, of Anza Pacific and Glacier Oil Companies.

Brothers on this job include: Chuck Carlton, Don Martin, Pete Egnatoff, Gordon Burton, Lew Pitts, Al Knowles, Cliff Jones, Lloyd Haskins, George Ramsell, Charlie Mayham and John H. monson.

Although the base material was the nemesis of dredging companies, it seems to be excellent material for the purpose.

Foster City is dominated by companies which include: Granite Construction, Oscar Holmes, McGuire and Hester, Kunz Paving, Hydraulic Dredging, Bragato Paving and Wilsey, Ham and Blair.

Your officers and staff in the San Mateo area are proud of companies which regularly hold "tool-box" safety meetings on the job. This is bound to have a positive attitude in holding down accidents to a minimum. It seems we have had more than our share recently.

Bayshore Tractor Equipment signed a contract agreement with Local 3 and are now using Operating Engineers in all work.

Contractors Reject Yuba River Bidding

By HAROLD HUSTON, W. R. WEEKS, CLAUDE ODOM and RAY PHENNEGER

MARYSVILLE—The big question being asked at the Marysville District Office is "When will I go to work?" As we have stated many times before, nothing would make us happier than to have all the brothers working in this district! We will again ask all the brothers who are not working to be available when the dispatcher calls so you won't miss a job. We have had good cooperation from the Brothers, and we are sure this will continue.

During the past month we have been in negotiations with many of the employers in this district whose agreements have expired. We are happy to report most negotiations are completed, and the new contracts have been ratified by members concerned.

APPRENTICESHIP MEETING

The committee met recently at the Marysville office and was brought up-to-date on the apprenticeship activities. We appreciate the interest of all the brother members who are on this committee and we know their time and effort spent will really be appreciated by everyone in this district.

NO BIDS ON YUBA

As has been predicted recently by contractors, county officials and other observers of the progress of the Yuba County Water Agency's \$150 million project on the Yuba River, no bids were received for opening of bids September 17.

Several major contractors submitted letters of explanation. Most expressed continued interest, and conviction the project is worthy but the principal reasons for not bidding were cost

contingencies in connection with Bullards Bar Dam, and not enough money available for the job.

Bullards Bar, a principal feature of the flood control, irrigation and river project, originally had been planned as a rock and earth fill dam. It was changed for several reasons: The U. S. Forest Service preferred the concrete structure; it was more feasible in connection with the multiple outlet features required by the California Department of Fish and Game for fish facilities and it provided a gain of about one year in water storage schedules.

DELAYED UNTIL SPRING

The Yuba County Water Agency met the following day and formally resolved to go ahead with plans for the Yuba River Project. Arrangements were

made to find out what can be done to assure favorable bids when called for again next Spring. International Engineering Company, Inc., project engineers, were asked to analyze the problems and report recommendations for future procedures. The report will be submitted at a special meeting October 2 at 1:30 p.m.

The immediate plans now are to explore every possible way of reducing costs, eliminating all possible contingencies and increasing revenues for construction funds. Although the agency previously has been on a "crash schedule," a Spring bidding schedule would allow time for thorough investigation. The big question to resolve is whether the agency should precipitately change back to plans for a rock fill dam, or go ahead with plans for a concrete arch dam.

UTAH RUSHING TO MAKEUP LOST TIME

By HUGH BODAM,
JAY NEELEY,
MERLIN BOWMAN,
JOHN THORNTON,
VANCE ABBOTT
and LAKE AUSTIN

SALT LAKE CITY—Work is holding up well in Utah, and some very good jobs money-wise are coming up for bid in the near future. We hope this will provide work for some of the Brothers during the Winter months. The weather is getting cooler in the mornings as we get nearer to the opening of deer season and a lot of the Brothers are looking forward to the hunt. Good Luck to all but be careful so no accidents occur.

Work from 9th South to the point of the mountain is still at the peak of the season. Some of the jobs are preparing for the Winter already but at this writing all equipment is manned. Some of the jobs that started late have almost caught up with the work schedule. This was done through two-shift operation or long hours. If a deep frost doesn't arrive too early most of the Brothers will be able to make up some of the time lost earlier this year.

W. W. Clyde's 4500 South Freeway job is nearing completion. Brother Grant Haslam is superintendent with a crew of 15 Brothers getting this job finished. The equipment on the job will be sent to other Clyde jobs, and the Brothers working now will probably go to these other jobs.

Gibbons & Reed is still the major employer in this area. The Parley's Canyon job has from 30 to 35 Brothers working. The 17th South Freeway has 21 and pick-up crews are at their peak with 28 Brothers working on these small crews. The paving crews are working long hours trying to finish the jobs that are ready for paving. These paving crews were not able to start paving until late in the season and now they are going from dawn to dusk.

Jim Reed and Sumsion Construction Company are about 60% finished on the dirt at Black Rock to Saltair job. The long conveyor belt looks like it made the difference on this job. The scrappers all pulled a trailer and the 20's and 21's were moving 50 yards a load with the tandem rigs.

Barben Brothers at Black Rock are almost finished. The frontage road still has work to be done and it is possible that the Brothers on this job will be able to go to another dirt spread.

The crane rental business is still "chicken and feathers." One week there is nothing and the next there is more than can be covered. Most of the big rigs are getting good time and there has been some long boom work.

Pipeline jobs are still going long hours all over the State. M. H. Cook pipeline has about 12 miles in Riverton, that goes from Redwood Road to Lark. Enoch Smith has a couple of pipeline jobs working in this area.

The sewer business finally got started in earnest around the area. Statewide has a couple of good jobs going but the sewer work doesn't seem to be coming as fast as it should. Butler Construction usually has a sewer job or two going on all the time but at this writing Butler has laid off most of his employees.

ENGINEERS NEWS
Published monthly by Local Union No. 3 of the International Union of Operating Engineers, 474 Valencia St., San Francisco 3, Calif. Second class postage paid at San Francisco, Calif.



UTAH'S FINEST . . . Shorty Afleck operates this Hough 500 Paydozer on the Gibbons-Reed job at the mouth of Parley's Canyon in Salt Lake. This is one of the largest rigs working anywhere.

struction usually has a sewer job or two going on all the time but at this writing Butler has laid off most of his employees.

KENNECOTT COPPER
We are happy to report Kennecott Copper has resumed work after an 80-day strike. The new agreement is now in effect and we hope things will get along smoothly. We believe everyone is happy over the final terms, and if you have any questions, contact your steward or business representative.

You will read elsewhere we are starting a blood bank for the state of Utah. We would like all of you who can to contribute to this worthy cause. Hugh Bodam, District Representative, will be happy to answer any questions you may have regarding donations, and will appreciate your help.

NORTHERN AREA
The Bureau of Reclamation's construction on the Willard Bay project, has employed as many as 100 Engineers at one time, is now nearly finished, with a few operators left. It should be completed in 30 to 40 days.

Strong Construction Company is still working two shifts on their Willard Canal job. This job should also be completed this Fall.

Heintz Construction Co., on the Causey Creek Dam, is still working two shifts and will continue as long as the weather permits. Fife Construction Co. is working towards a completion date this Fall on their canal job at Huntsville.

Our Freeway work in the northern part of the state is now getting a good start. The Fife Co. is running two shifts on the Layton job. J. B. Parsons Co., on his two freeway jobs at Roy, west of Ogden, employs nearly 50 of the Brothers, and is working five nine-hour shifts. This Company has cooperated with the Engineers very well this Summer.

LeGrande Johnson Company, in Weber Canyon, is still giving the Operating Engineers a problem. Rosenloff-Prestwich and Healey have been having problems on their underpass jobs at the mouth of Weber Canyon. This has been a rough job with all the Hill Field traffic passing by twice a day and the big boulders they have encountered.

They are now starting to work on their structure.

Thorn Construction Co. is on their oiling job at Howe, Utah and weather is in their favor. At the rate they are going they should complete the job before bad weather sets in.

Bids were opened Sept. 22 for construction of the interstate highway from the mouth of Weber Canyon to Gateway, estimated to cost \$3 million. This stretch should be ready for traffic late next year if we have good construction weather during the Fall and Spring. This will be one of the largest interstate jobs in

Red Cross to Receive Utah Blood Bank Donor Supply

SALT LAKE CITY—We are starting a blood bank for the members in the State of Utah and have made arrangements with the Red Cross to receive our deposits. This service is nationwide and if you are traveling anywhere in the continental limits of the United States, and for some reason you or your dependents need blood, it would be available to you through the local Red Cross and charged back to this Branch, and taken from the Operating Engineers Bank.

A doctor is present at all times and registered nurses extract the blood. They have daily experience in this technique and are skilled in this procedure. The Salt Lake City Tribune carries a list of the times and places where the mobile unit will be. The Salt Lake Office of the Red Cross, located at 555 Foothill Drive, is open on Friday until 6 p.m. Give blood to the Operating Engineers Local No. 3 Blood Bank and you may render a valuable service to a Brother member or his family, and assure your own family is protected.

The following instructions are for your guidance in blood donor recruitment and scheduling:

- Prospective Donors.
1. Age
Any individual between the ages of 18 and 60 years.
 - a. Males 18 to 21 years of age, not married, must obtain written permission from parent or guardian.

Utah. It will eliminate the dangerous horseshoe bend at Devil's Gate which stopped the Mormon Pioneers' attempt to enter the valley through Weber Canyon.

PROVO AND SOUTH
The usual Fall rush to beat the weather is on. The leaves are turning and there was snow on the mountain tops the other morning, which indicates that the working days for this season are numbered. It is true that a few of the projects are nearing completion but in most cases it will be nip and tuck with the freeze-up, and with the new jobs to be let, there is every indication that the employment picture should remain good to the end of the season with something to look forward to in the Spring.

Stout Construction Co., at Kanarraville has cut back to one shift as most of the heavy mucking is complete. V. C. Mendenhall, on I-15 north of Beaver, has a couple more weeks left on its surfacing project. They intend to use as many of these men on their Cedar City job which has been started and has most of the preliminary work done. Work in the rest of the area remains mostly unchanged.

EASTERN UTAH
As Autumn appears in Eastern Utah, work is at its peak with some work to be let which we hope will go through the Winter. In less than a week we will have some additional highway jobs let in the area. One in Price Canyon with another to follow soon and another down at Bluff. These jobs should be god for the Winter.

Kloepfer Construction Co., is still plugging away near Roosevelt on some waterline work from White Rocks to Randlette.

b. Females, under Utah State law, are of age at 18; thus no permission slip is required.

2. Food
No changes in daily eating habits necessary. Eat regular meals at regular time.

3. Weight
Minimum weight requirement is 110 pounds.

4. Frequency
The interval between blood donations must be eight weeks. A maximum of five donations may be made a year.

5. Allergies and Immunizations
Let the physician in charge consult donor and make decision.

6. Malaria
If you have not had an attack for two years, donation can be made.

7. Jaundice
Persons who have had jaundice (hepatitis) may not donate for whole blood transfusions for hospital use. However, a person with a history of jaundice who has been free from attacks for two years may donate for the fractionation program. Pure blood derivatives, Serum Albumin, Gamma Globulin and Fibrinogen, are obtained from this blood by Red Cross and are in great demand and short supply.

8. Red Cross draws blood under the license of the National Institute of Health. The welfare of each donor is the personal interest of the attending physician who is on duty at all times.

COPE Recommends Utah Candidates

SALT LAKE CITY — The success the Operating Engineers in Utah have experienced the past few years must be protected for the next four years with everyone going to the polls on election day, November 3 and voting.

The Union recommends that the COPE endorsements for the following be used in guiding your thinking: Lyndon B. Johnson, president; Hubert Humphrey, vice president; Calvin Rampton, governor; Frank Moss, senator; William G. Bruhn and David S. King for first and second Congressional Representative; S. Clyde Miller, secretary of state and Phil Hansen, attorney general for the state of Utah.

These men are friendly to organized labor and its aims and purposes and deserve your vote.

Consumer Price Index Up 0.3 for July

WASHINGTON—The Consumer Price Index rose by 0.3 percent in July, the United States Department of Labor's Bureau of Labor Statistics announced. Sharp increases in prices of meats and fresh fruits and vegetables were primarily responsible for the increase. Costs of transportation and health and personal care also rose over the month, while apparel prices were lower.

Survey Notes



By DAVE REA

As the "Engineers News" goes to press, the Surveyors will have completed three meetings in San Jose, San Francisco and Oakland. These were specially called meetings to determine the workability of our present contract, and to discuss various problems your Business Representative has run into in the field. Another series of meetings have been scheduled as follows:

San Jose: Tues., November 17;
San Francisco: Wed., December 16; Oakland: Wed., January 13.

All meetings will be held at 8 p.m. at the union halls of these offices. To be better informed attend your meetings.

Work Load. Along with the college boys going back to school and the work load picking up our out-of-work lists are down to a minimum. We hope this high peak continues to hold. Work on the Rapid Transit is beginning to pick up. Kirker has employed two four-man parties in the San Francisco area for property survey work in conjunction with Rapid Transit. Survey work should go into full swing next Summer on this project and continue for a long time.

Personal Notes

SAN FRANCISCO

Apprentices will report back to school on Sept. 14. Classes will be held once again at the John O'Connell school.

A class in grade-setting is now under way at the Samuel Gompers school at 22nd and Bartlett, which meets every Tuesday at 7:00 p.m.

Don Malhot retired last month after more than 30 years with Local 3. During these many years Don worked several overseas contracts as well as spending many years in Mexico and Canada. He has been a loyal friend to Local 3, and we all wish him the best of luck in his retirement.

REDDING

Our deepest regret and heartfelt sympathy to the family and friends of Brother Tom Evans, who, along with his wife, was killed in an auto accident at Arcata.

We wish a speedy recovery to Brothers Pete Murray, M. L. Nelson, Tom Thyme, Larry Blaylock, Jesse Benneau, Dan Loewen, Floyd Kenyon, John Hughes, Geo. Shaver, Joe Oswald, P. H. McLean, Don Hart, Dale Bryant, L. J. Wilson, John Detto and Leo Huffman.

Off the sick list, and we are happy to see them around, are: Brothers Harold Park, Ralph Martinez and Glen Darling.

SAN MATEO

Don't forget the regular quarterly meeting of Local 3, District 1, on Wednesday, October 7, at the Labor Temple at 16th and Capp Streets in San Francisco. The following evening, in San Mateo, there will be another meeting at the Carpenter's Hall, 50 North B Street, San Mateo, at 8:00 p.m.

Fred Wright, Sr., a member for many years, is in the hospital. He is the father of Fred, Jr., foreman on the Luhr-Wendt job at Serramonte. We trust a speedy recovery.

OAKLAND

Brother Pete Frediani is in Contra Costa County Hospital, in Martinez, recovering from a serious stroke which left him partially paralyzed. We wish him a complete and speedy recovery, and hope to see him back on the job soon. Pete would like to see any of his friends who can visit him.

Brothers George Nabors is at home recuperating from a heart attack after spending several weeks in Martinez Community Hospital. George would like to see his many friends. Get well quick, George.

Brother Bruce Hinds is in the Pittsburg Community Hospital and may be there for some time. Bruce was involved in an accident on the job that left him with a broken back. The accident was not his fault, but he is the victim. The doctor says he will be in a cast for about six months. Bruce would like to hear from any of his friends who can call on him. We, in the Oakland office, would like to wish him a full and rapid recovery.

We want to thank the people who donated to our Blood Bank during the past month. Our reserve of blood is low and it will not be long, at this rate, before we must turn down requests because of lack of blood. Please make an effort to call for an appointment and donate!

SACRAMENTO

We are holding mail for the following: Dick Allen, Dick Benson, Cordett Braden, Cecil Gipson, Lake Moore, Arch McKnight, Art Standish and P. Stefani.

We extend our sympathy to the friends and family of Brother Cyrus Kaiser who died recently, and wish Brother Lee Tulen a quick recovery from injuries sustained in a recent fall.

We appreciate the pints of blood donated by the following: Alvan Bobo, Arnold Boehm, Wayne Kaffka, Beverly Parton and Dorothy Webber.

Brother Fred Husum recently underwent surgery at Mercy hospital, and we hope he is on the mend and will be on his feet soon.

STOCKTON

Brother Allen H. Knoell was injured on the McNamara job when his Euclid jackknifed and threw him off. He was confined to the Tracy Memorial Hospital for a short time.

Brother Don Hunt requested that his mail be forwarded to his address in French Guiana where he leased 200 acres of gold-bearing land he mines hydraulically every year.

We appreciate the pints of blood donated by the following: Juanita Jones, Wayne Wood, Merle Laughlin and Bill Boohen.

EUREKA

The Eureka office sends its sympathy to the family and loved ones of Brother Marrie L. Dyer, who passed away September 17. We wish a speedy recovery to Brother Ray Monteith who is in the hospital.

UTAH

Brothers Dave Braegger, F. F. Siler and Layne McNalley have all been hospitalized. Best wishes for a speedy recovery.

SAN JOSE

Our thanks to blood donors Bertha Miller, Alice Abernathy and Robert Sandow.

On the sick list are: Brothers Bill Baertsch, in O'Connor Hospital; Lew Landes, Mills Memorial Hospital, in San Mateo, as result from on the job accident and Gordon Russell for the same reason. Best wishes for a speedy recovery.

Silver State Speeds Work To Beat Winter Snow Flurries

By N. A. CASEY, GAIL BISHOP, JACK BULLARD and B. J. 'BU' BARKS

RENO—Work in the Great State of Nevada is progressing real well. Everywhere one looks there is construction work of some type. The outlook is very promising for the future, and we are holding our own on the out-of-work list with some classifications looking for men.

We have been negotiating with Anaconda Copper at Weed Heights where approximately 180 Operating Engineers are employed. After three meetings company representatives made a final offer, which was rejected by a vote of 171 to 4. It is comforting to know the group is unified in its thinking. We also wish to express our thanks to Business Manager Al Clem for assigning Treasurer Don Kinchloe to negotiate for Local No. 3.

The contract with Wells Cargo Shop has been settled, and was ratified by the member employees. Naturally, all the Brothers' demands were not obtained, but the majority was happy with the agreement.

We are still having problems at the Silver State Shop in Fallon. This has been a long fight, with no immediate settlement in view. We are still trying for a favorable settlement.

A new job recently let in Northern Nevada, Nevada Rock and Sand Company from Las Vegas was awarded a \$3,145,501 contract to construct a new Highway system in Eureka County of approximately 8.25 miles, which should start soon.

It is the intent to have a job steward and a safety man on each job in the jurisdiction, so if you have none on your project notify the agent in the area or the office and one will be appointed.

Due to the fact that in the State of Nevada your vacation pay is paid into a Trust Fund and is payable once a year, you are urged to keep a record of your time. In the event there is a dispute you will have proof of time. This is very important to win a dispute.

Safety meetings were held in Elko, Truckee and Reno. We were happy to see 45 Engineers turnout at Elko. Films were shown and a safety message delivered by Brother Fran Walker.

There is a petition being circulated in Northern Nevada to put some union teeth in the present right-to-work law. This petition is being circulated by all Union Representatives and may be signed at any Labor Union hall.

Nevada 'Work' Petition Ready

A petition to amend the Nevada State "Right-to-Work" statute is being circulated by the Nevada State AFL-CIO, according to Louis Paley executive secretary.

Brother Engineers are urged to sign the petition which will be at the Reno Operating Engineer Office. The only requirement is that you must be a registered voter. The deadline is November 3.

The amendment relates to fraudulent and discriminatory practices.

This is not an action to repeal the law, but simply to put a Union Security clause into the existing law. This is important to all of us, and everyone should take an interest. The only requirement is that you have to be a registered voter in the county in which you reside. If enough signatures are attained by October 15, the proposal will appear on the ballot in November, 1966. Let's all participate and get this in the law.

The Reno office has new hours:

Open every day 7:00 a.m. to 11:00 a.m. — 12:00 noon to 5:00 p.m.

Except Thursday: Open 7:00 a.m. to 11:00 a.m. — 12:00 noon to 8:00 p.m.

A gimmick to keep down its accident rate within its operation and one that is working exceptionally well, has been introduced by the Isbell Construction Company. It works like this:

If an employee works a complete pay period (usually one week) without a lost-time accident, he receives 100 S&H Green Stamps with his check. The company tells me this is working well for them in their safety problems. The only question is: How safe would it be to go home without the stamps?

LAKE TAHOE AREA

From Highway 40 South to Highway 50 throughout the Lake Tahoe Basin, work is in full swing, with most larger jobs working long hours. We had a few stormy days the end of August to remind contractors of what may happen in the high mountain country. This is what brings on the twelve to fourteen-hour days and, of course, bigger pay checks.

Westbrook-M-K on Donner Summit is putting in so many hours it is almost a two-shift operation. We have 37 of the Brothers working on this job. Clements Rock Products at Truckee is still on a 3-shift, 6-day basis, with approximately 91 Engineers employed. A. Teichert

and Sons have approximately 21 Engineers employed on their many jobs throughout the area. Heron Engineering is installing the 4th chair lift at Heavenly Valley Ski Area. This one goes up to the 10,300 foot level, and from that height you get a spectacular view of both the Lake Valley and the Carson Valley.

We had a near-fatal accident on this job a short while ago. Brother J. E. Nelson climbed off his cat after hearing a blast signal. He got behind a large rock for protection but, nevertheless, a piece of rock ricocheted off another boulder and pierced his hard hat, fracturing his skull. He spent over a week in the hospital and is presently recuperating at his home in New Castle. He is extremely fortunate to be alive today. And again, this serves to remind us, "Think Safety at all Times."

Brother LeRoy Shaffer from Grass Valley, who was a mechanic at Clements Rock Products at Truckee, was drowned on Admission Day. Brother Shaffer had designed and built his own barge, which had been checked out by the State of California to carry up to 21 people. The barge had large paddle wheels and was a fishing barge. No one witnessed the accident, so all of the details are not known. We extend our sympathies to the family of Brother Shaffer.

Safety, Credit Meetings

The following Safety and Credit Union educational meetings are scheduled through the end of the year:

- October 6—Hayward.
- October 8—Stockton.
- October 13—Los Banos.
- October 14—Merced.
- October 20—Watsonville.
- October 26—San Rafael.
- October 28—Oakland.
- October 29—Redding.
- October 30—Eureka.

Performance, Quality, Parts Availability and Field Service make up the **VALUE** of your Construction Equipment purchase or rental from ERBCO. That **VALUE** is translated into a smooth running, profitable job.

Since 1910 ERBCO has been giving that **VALUE** to the construction industry. We look forward to serving you today and tomorrow.

get it from

EDWARD R. BACON COMPANY
CONSTRUCTION EQUIPMENT

Folsom at 17th Street, San Francisco, Calif. HEInlock 1-3700
Sacramento • Oakland • Fresno

Performance, Quality, Parts Availability and Field Service make up the **VALUE** of your Construction Equipment purchase or rental from ERBCO. That **VALUE** is translated into a smooth running, profitable job.

Since 1910 ERBCO has been giving that **VALUE** to the construction industry. We look forward to serving you today and tomorrow.

get it from

EDWARD R. BACON COMPANY
CONSTRUCTION EQUIPMENT

Folsom at 17th Street, San Francisco, Calif. HEmlock 1-3700
Sacramento • Oakland • Fresno



CHECK CREDIT UNION NEW CAR LOANS

During August 26 new loans were granted to members of the Operating Engineers Local Union No. 3 Credit Union and their families. Officers of the Credit Union take pride in granting loans because they are aware of the need. This is the purpose of the Credit Union; to assist its members who have financial problems and to encourage systematic savings for the future.

An additional 125 members were enrolled in the Credit Union during the month, bringing the total to 1,777 share account holders. This is a good indication

of the need the members have for the Credit Union.

The Treasurer and officers held eight educational meetings throughout California to inform those who attended, advising them of the advantages of becoming a member of the Credit Union.

If you are buying a new 1965 automobile, it may be financially prudent for you to discuss an automobile loan through your Credit Union. Check with your nearest office, or call the San Francisco office for complete details. But remember, you must

be a share holder in the Engineers Credit Union.

The cost to enroll is \$1.00 plus the purchase of two \$5.00 shares or a total of \$11.00 for a member or employee of Local No. 3, their spouse, children, including any blood relative living within the household limited to mothers, fathers, sisters and brothers but not excluding aunts, uncles, nieces, nephews, grandmothers and grandfathers. Ask for a pink application card at any District or Sub-office in the jurisdiction of Local No. 3 or let us know here at 478 Valencia St. in San Francisco.

Watch for the quarterly meetings of the Credit Union, scheduled as follows:

Oct. 27 at Oakland.
Nov. 18 at Redding.
Nov. 19 at Marysville.
Nov. 30 at San Jose.
Dec. 7 at Stockton.
Dec. 14 at San Francisco.
Dec. 16 at Fresno.

T. J. Stapleton, Credit Union Secretary, said all meetings start at 8 p.m. These meetings, he added, are held only in areas which have 100 or more members according to provisions in the by-laws.

Oroville Dam Reshaping The History of California

Continued from Page 1—
gondolas, and returns for another load.

Meanwhile, at the car unloading station, a unique rotary device takes over and dumps the material from the cars into a hopper. The gondolas are equipped with swivel couplings making it possible to use the rotary dumper, thereby the cars never leave the track. The rotary dumper handles two cars at once.

The embankment material then is fed onto another conveyor which moves along about 12 miles per hour and handles about 12,000 tons of material during that time.

The material drops down another tunnel onto a 72-inch wide belt, 5000 feet long and carries it to a spreader located above a 1600-foot long, 20-foot reclaim tunnel.

The stockpiled material goes through chutes at the top of the reclaim tunnel. There are 23 pervious material chutes and 15 handling impervious material.

The material then travels along another conveyor 1800 feet long, about 15 miles per hour, and then to another conveyor system to a 1000 ton portable hopper which has four air-operated quick opening bins to feed the 100 ton double-belly trucks which transport the load to the damsite area.

From there the dozers and packers take over. The impervious material is in 10-inch lifts and pervious is 24-inch lifts.

Oroville Dam, and its related projects, will cost nearly \$500 million. The dam, only about 200 feet high at present, will rise to over 747 feet, 1.2 miles long at the top and .60 miles thick at the base.

Deadline for finishing the dam is 1967, which is two years before completion of all other Oroville facilities.

The Oroville division of the state water project will include its 15,500 acre reservoir, a 615,000 kilowatt power plant, the 135-foot high concrete Thermaito water diversion dam with its 98,000 kilowatt power plant downriver from the main dam, a 2.5 mile power canal and two supplementary reservoirs to hold water for parched fields of southern California, and the Bidwell Bar suspension bridge on the

Middle Fork of the Feather River.

SIDE AFFECTS

It is also interesting to observe the affect this project has on the town of Oroville.

Flamboyant "get rich quick boys," moved into the area at the first news of the dam back in 1957. They grabbed up land at very low prices and started selling off tracts for development.

Word about this tremendous project received notice in Life Magazine and many other national newspapers, and other news media.

People from all over the country formed a human flood and the big rush started about 1960. The "bread lines" got longer before they shortened.

Through it the townspeople of Oroville managed. Outsiders came in and developed shopping areas, new roads and streets were built, schools went up, commerce and trade improved, and, yet the people came from the rest of the nation.

Many have settled down into their small niches and are useful citizens of the town today. Others drifted off to other areas, providing they had a way. Some stayed on relief and welfare. Other more hardy and optimistic souls, started panning for gold. Some 2000 found jobs working on the Oroville Dam and other heavy construction projects named above, and unknown more established businesses.

And there were many who were plain disgruntled. Less than one-sixth of the men are employed in the Oroville complex than had earlier been anticipated. The town became overbuilt and unemployment became a nagging nightmare for everyone concerned.

But one thing is certain—big men and big machines are altering the Feather River, which will eventually reshape California history for the second time.

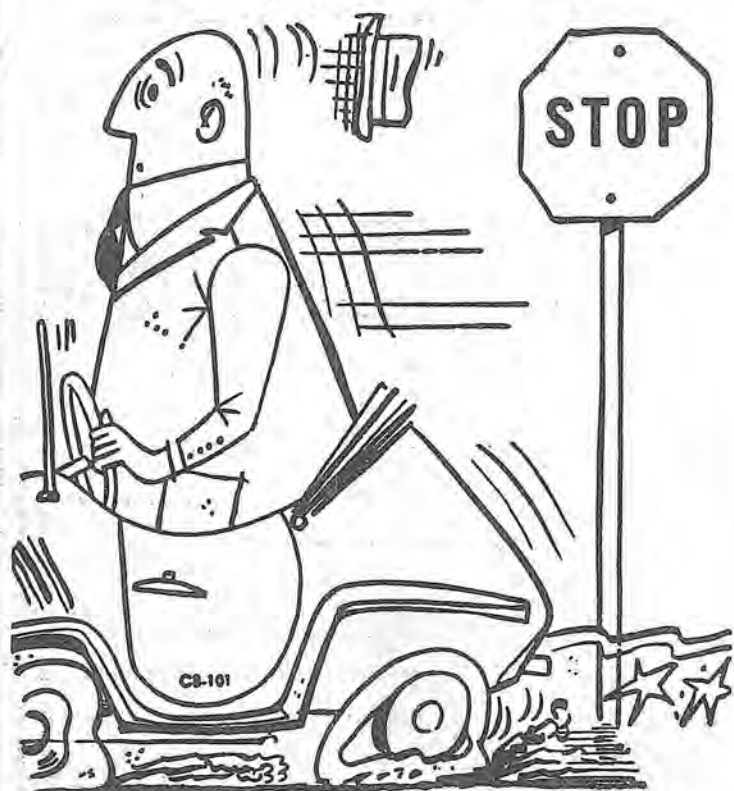
This area is one of the most beautiful in the state, and we wish we had had time to photograph the Feather Falls. However, the memory of the fire-red gold and purple hues of the sunset gave the damsite a bright reddish glow, as if the ground were on fire. And the sight of the two imposing towers rising above the redwoods above Bidwell's Bar, on the Middle Fork where only days before, the "Mother Orange" tree was tenderly displaced by two Bigge truck cranes and transplanted with equal care; then there is the old Bidwell Bridge, 108 years old, which saw ancient gold miners trek across it in sullen silence or joy at "striking it rich." The bridge, too, has been removed and will be reconstructed as an historical monument.

In the town of Oroville, too is a monument erected to its Chinese ancestors and dedicated to the city. Perhaps a monument should be created for the many thousands of people who dreamed and engineered this fantastic Oroville project.

Gas utilities throughout the United States will serve about 36.5 million customers in 1964, an increase of about 900,000 over 1963, according to the American Gas Association.

Cochran & Celli

Recap for Economy



DON'T TAKE CHANCES WITH SMOOTH TIRES!

we use... **VOIT** *America's Finest Retreading Rubber*

2344 E. 12th Street

KE 2-6323

Oakland

MEMO from the Manager's Desk

Continued from Page 2—

cherished; however, before you make any final determination at the election poll, may we suggest that you give deep thought to the economic conditions of the country as well as to yourself.

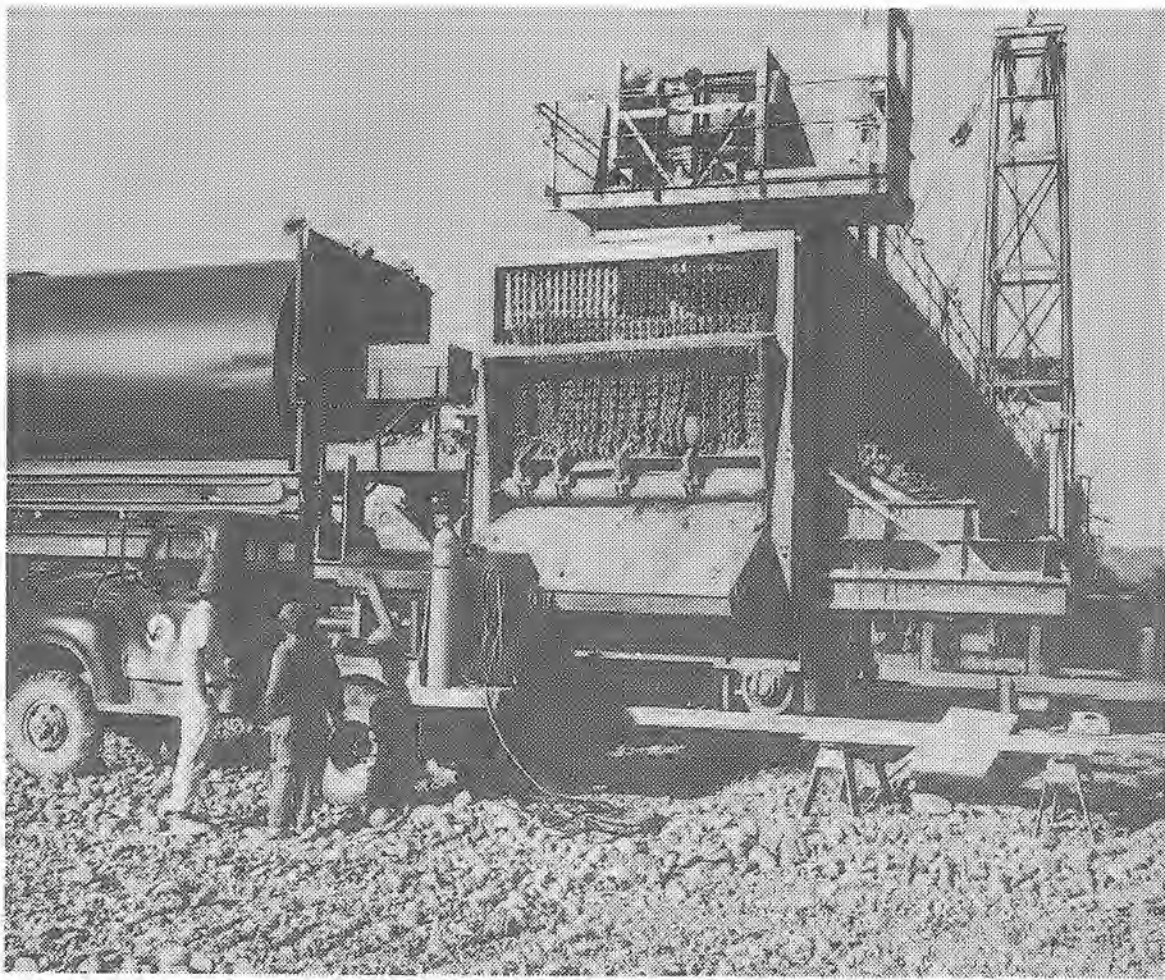
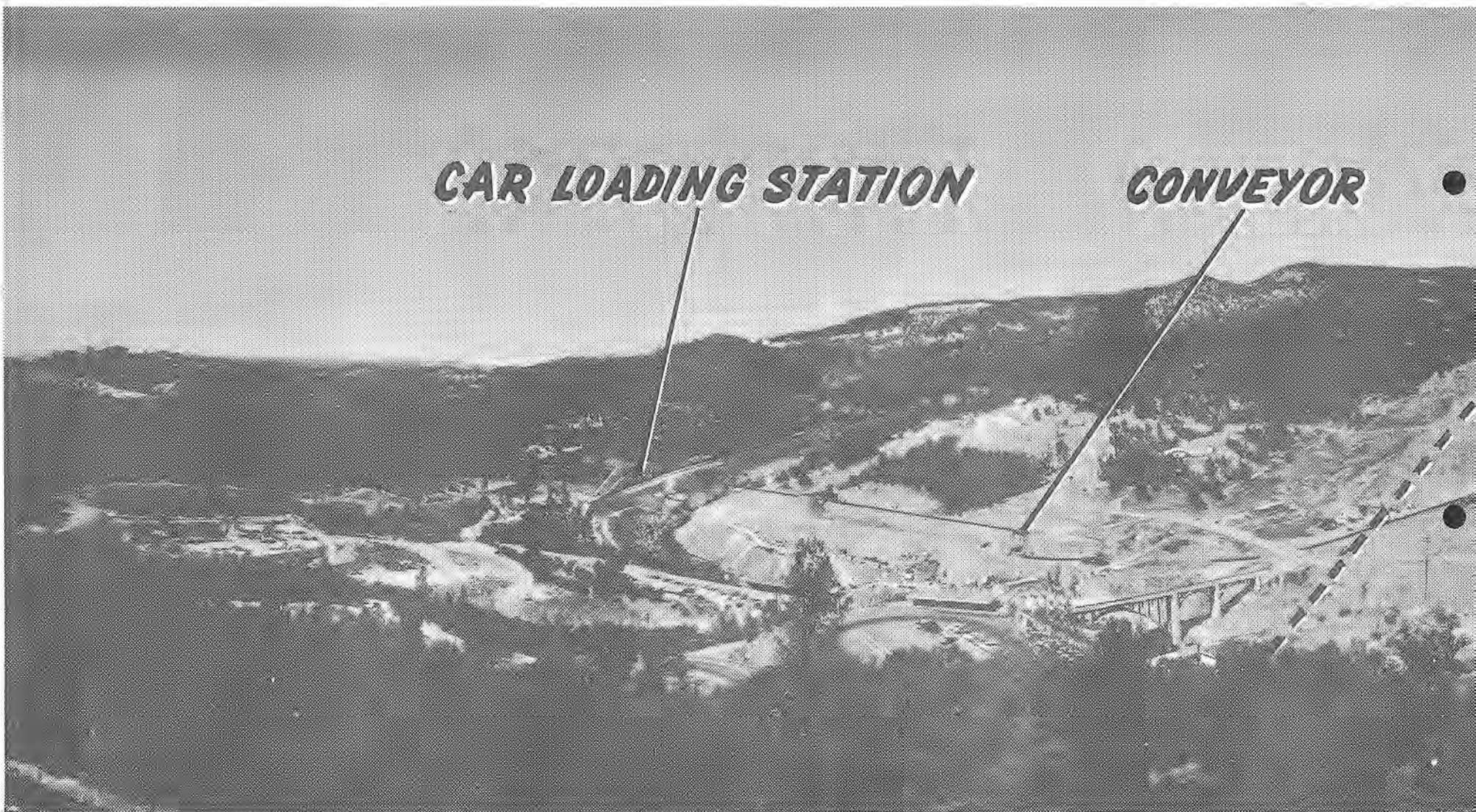
Under the present administration we have had peace to a great degree. While there are some trouble spots in the world, we, more generally here in America, are enjoying a great measure of prosperity. We wonder if it is worth the chance to change all of this by changing horses in the middle of the stream.

In conclusion let us not forget the date we have at the ballot box—NOVEMBER 3.

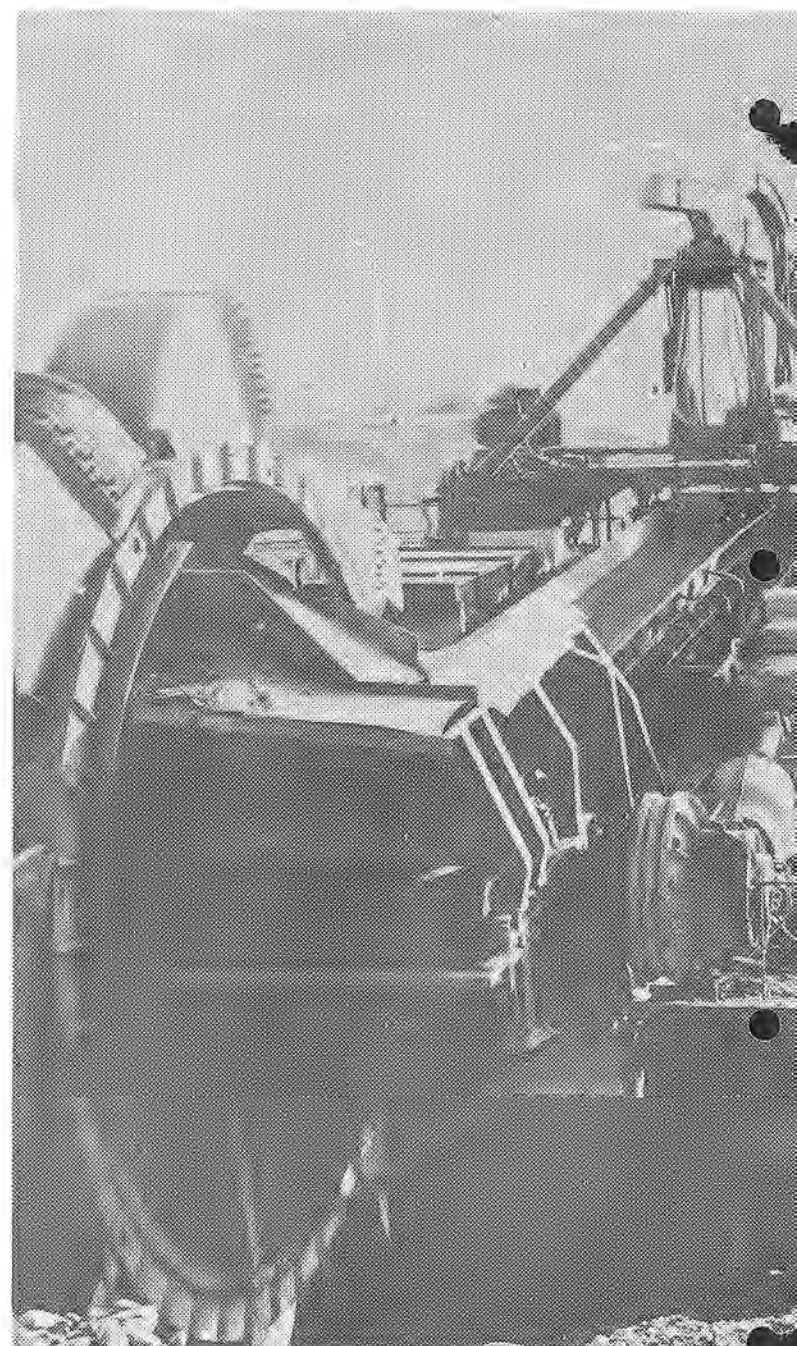
NEARLY 3,000 DISPATCHES

During the month of September there were 33 regular agreements signed and 95 short form agreements, making a total of 128. There were 2899 members dispatched to the various jobs during the month.

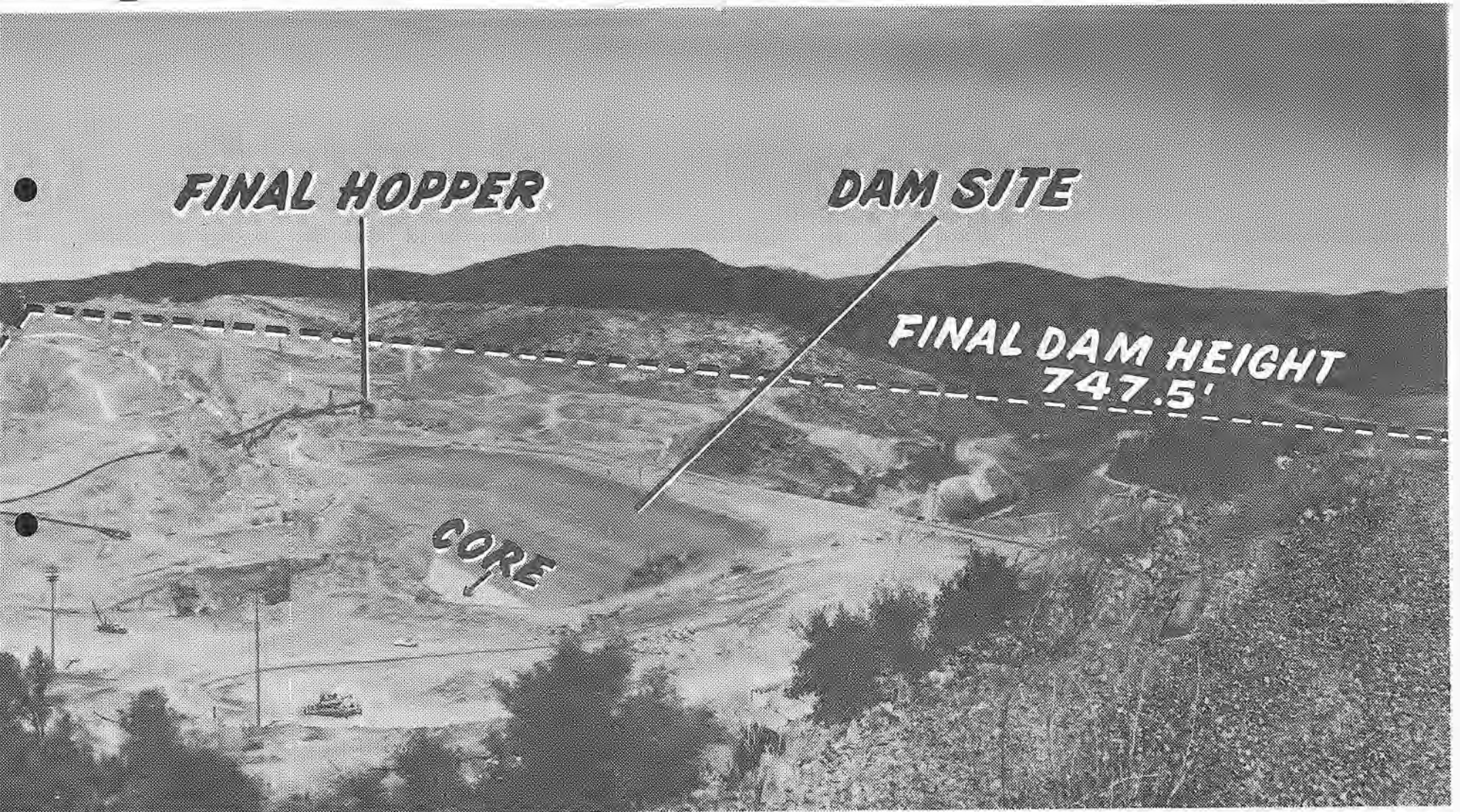
Altering Feather River Will



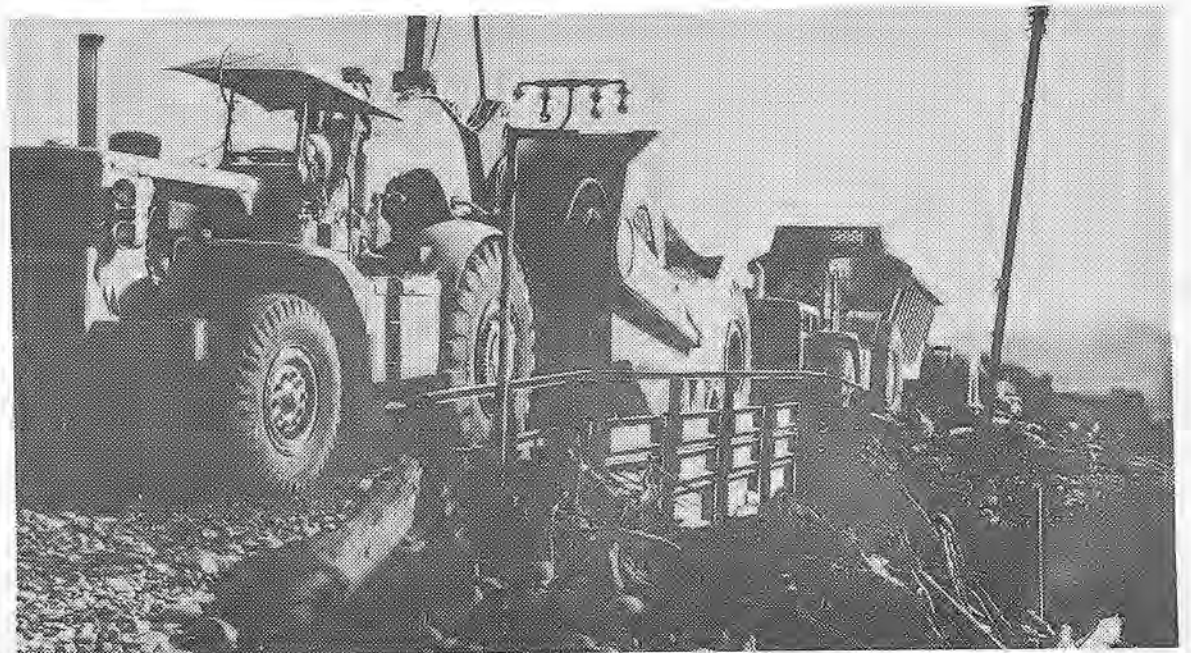
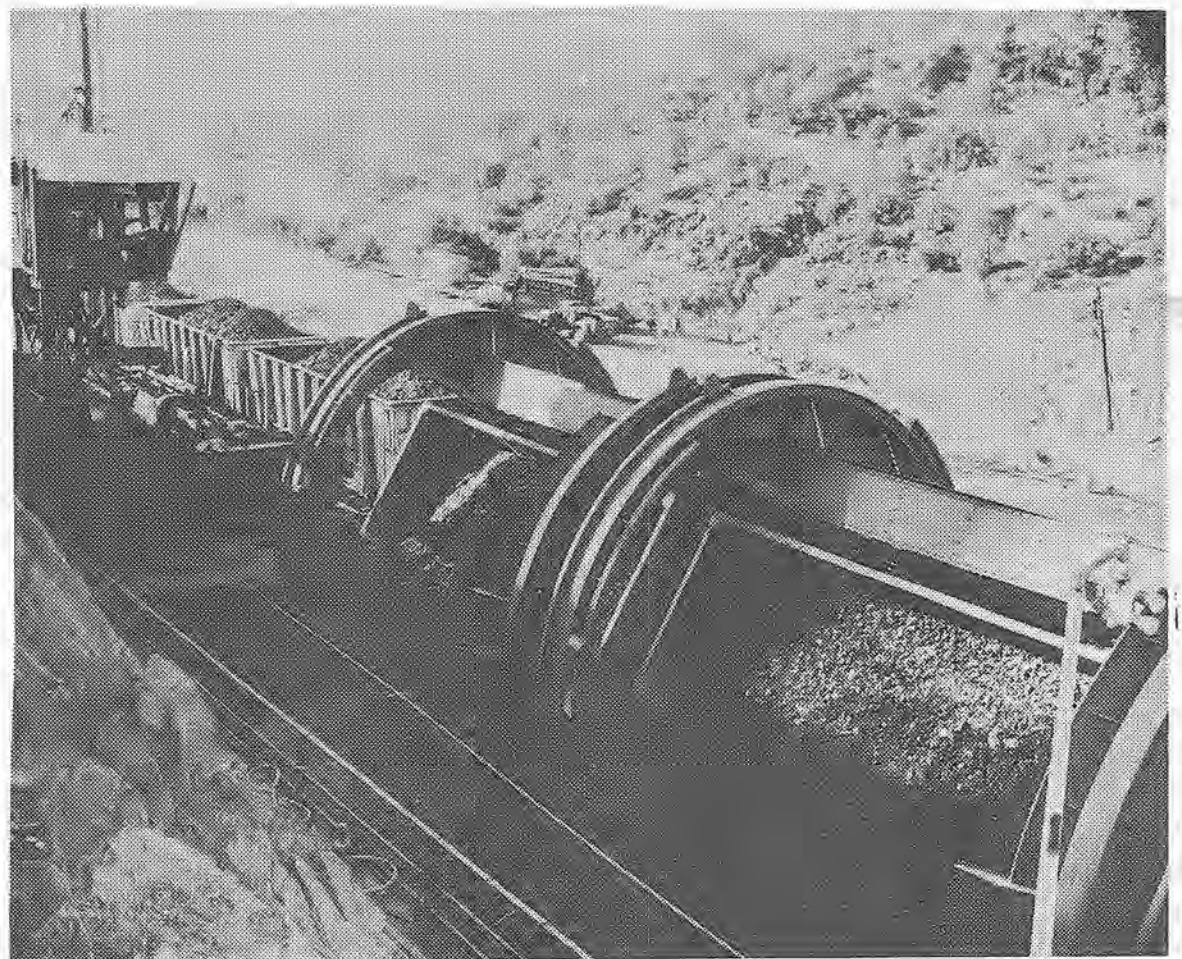
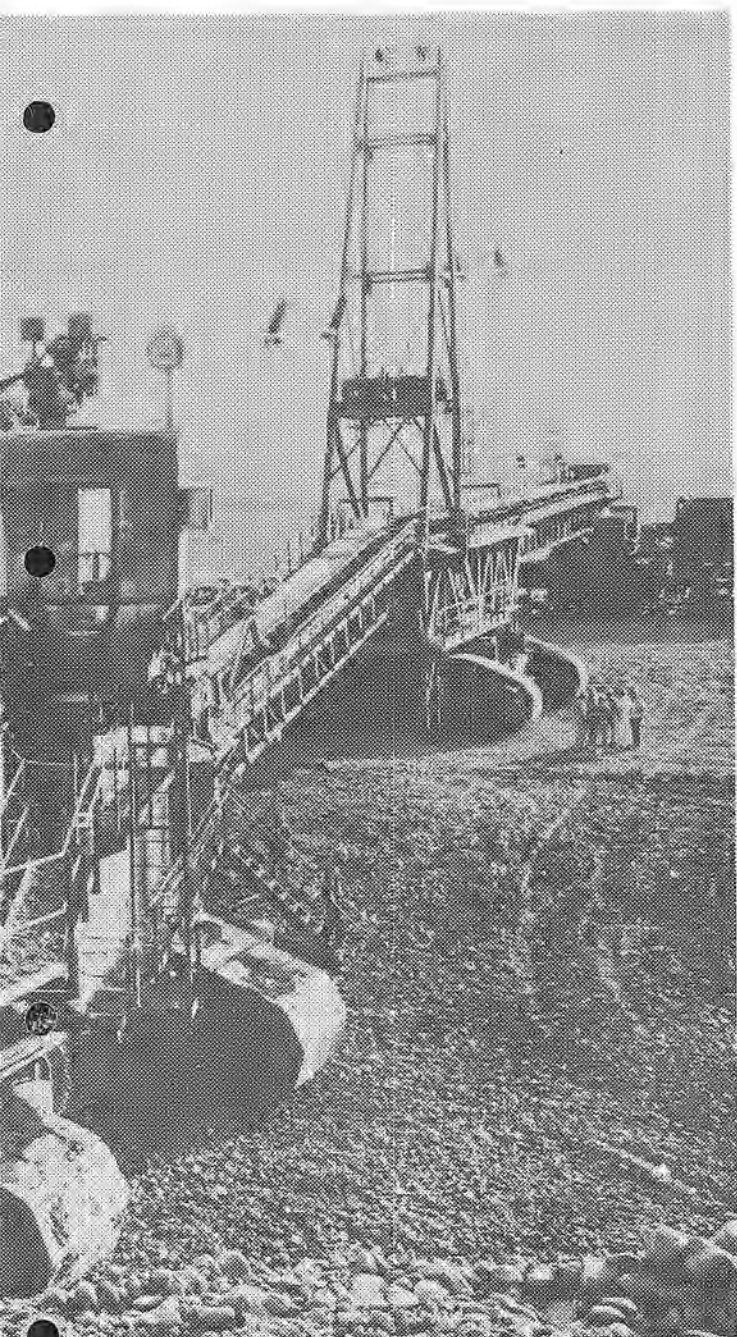
BIG MEN, big machines, big dreams and planning go into the Marysville in Butte County. At top is picture of dam showing the river. Below is "the Wheel" which chews up 5500 yards per hour; to top right is car dumping area and below it is Brother Engineers where dispatches are made. Harold Huston is district representative Phenneger. Over 400 Operating Engineers work at dam.



Help State Water Problem



Complex water resources project at Oroville Dam, north of
dumping material into hopper for final leg to dam site.
It is hopper and "baloney reel" at end of wheel excavator;
scraper at reclaim area. At lower left is Marysville office
business agents are Claude Odom, Harold Weeks and Ray



Scorching Fire Hits Santa Rosa

By RUSS SWANSON and LOU BARNES

SANTA ROSA—This area has been "hot."

Over 90,000 acres of grass, timberland and real estate property have been scorched and, in many cases, completely destroyed by a fire which raged out of control for several days. Winds up to 70 mph whipped up flames which could be seen for miles around, and a heavy pall of smoke fills the sky in Sonoma County.

The fires started above Calistoga in Napa Valley and leap-frogged over the hills into the Sonoma Valley. Hundreds of homes were lost and the area has been declared a "disaster area" by the State of California.

Many Engineers pitched in with bulldozers to blaze fire trails, but the high winds sent the flames sprawling over into untouched areas. Thousands of volunteer workers helped contain the scorcher.

However, the work in the area, unfortunately for our Engineers, hasn't been as "hot." Most Brothers are working, but this area, as yet, hasn't been one which has had an over supply of jobs available.

In the offing, however, is the \$2 million finishing touches to the freeway by-passing Ukiah on Highway 101. This job may not materialize for several months, however, about this time last year Gordon Ball started building approaches and bridges here and worked right into December.

Noyo Breakwater and Warm Springs dam are still in the "talk, talk" stage, and there's nothing new here to report.

The bridge and approaches at Caspar, south of Ft. Bragg on Highway 1, is up for bid this month and it is estimated costs will be in excess of \$2 million.

The million dollar Hughes, Ladd and Huntington job outside Boonville on the Boonville-Ukiah Road has been working double shifts. When the job is done the road will be included in the state system for maintenance.

Rubber-tire equipment is being used by Charles Chandler Co. on its \$1.2 million channel clearing job on Santa Rosa Creek, west of Santa Rosa. The company was low bidder by \$500,000 under the next closest competitor. Several Engineers are being used here, and we hope the company will make out financially.

Ernie Pestana, Inc. in Lake County is installing sewers in Kelseyville with several of the Brothers.

Local contractors received the job on sub-bids. Rhodes, Inc. is grading and paving and have another paving job at the new Lakeport High School. While this is a relatively new company our relations have been good and we'd like to see them stay around a long time.

Wrapping up what else is going on, here it is: Lange Brothers is at Clear Lake Riviera, on sub from Faulk and Edwards Co.; Napa has been slow, but Slinson Construction has kept a few Brothers working. Lake Berryessa is blossoming forth with sub-division work. Art Siri Co., Strocchio Paving, Reichhold and Jurkovich all have paving crews doing overlay work for the state and county in and around Santa Rosa.

New Equipment Debuts on Canal; More Canal Work Up for Bidding

By WALTER M. TALBOT, AL McNAMARA, GLENN DOBYNS and JAMES HUDDLESTON

STOCKTON—The work load in this district has remained static this past month. Several jobs are nearing completion and unless more new jobs are let in the immediate future, re-employment will slacken.

Western Contracting Corp., low bidders on approximately 30 miles of the California Aqueduct, is taking delivery of Euclid TTSS90's, with which they plan to move the bulk of the excavation material. (See Picture.) Only five of these self-loading units will be on the job on a two-shift basis. These are the first on the West Coast and were ordered by Western several months ago.

Each scraper is a forty yard "struck" capacity equipped with a 540 horsepower V-16 G. M. Diesel power plant. The tractor also has the same engine, making a total of 1620 horsepower. Unladen weight of the unit is in excess of 100 tons, mounted on sixteen 18:00 x 49 tires plus the two smaller tires on the front and an overall length of 108 feet. This same company has a Cat 16 blade (see picture) on the job. This job will be manned from the Modesto office; however, in view of the equipment mentioned, we do not expect many engineers to be employed this year. As the work progresses into the concrete phase of the job with batch plants, aggregate plants, more operating engineers will be required. However, this will not be the case for some time.

Matich Corp. is going full blast on their concrete paving operations in Ceres and Modesto on the new freeway. The paving completion date is October 15th, with the job completion date for both the Ceres and Modesto jobs to be May 1965. This is a wet batching operation with 15 new Rex Tilt Type mixers hauling from a Conveyco Batch Plant rated at 250 yards per hour to the Company's own designed slip type float. With this accelerated pouring schedule, the company acquired a Barber Greene cement treated base plant with a rated capacity of 600 tons per hour, which is unique to the West Coast. Nine hundred barrel

portable cement silos are necessary to help augment the five trucks hauling bulk cement around the clock as the job requirements near the 2500 barrels of cement a day.

McNamara Corp., constructors of the Tracy by-pass and West-side Freeway, will be down to a single day shift before the first of October as the bulk of the dirt is now in place. The structures and fine grading will probably keep a sizeable crew busy until the rains come this winter.

M. Maliftano & Son started the levee and bank protection job on the San Joaquin River near Vernalis. This project is expected to keep about 10 engineers busy for some time, as the company has 700 working days to complete the job.

Stanfield & Moody of Tracy, successful bidder on the reconstruction of Copperopolis Road, east of Stockton for \$276,163.00, now has a crew busy plus a few "new hires" at this time.

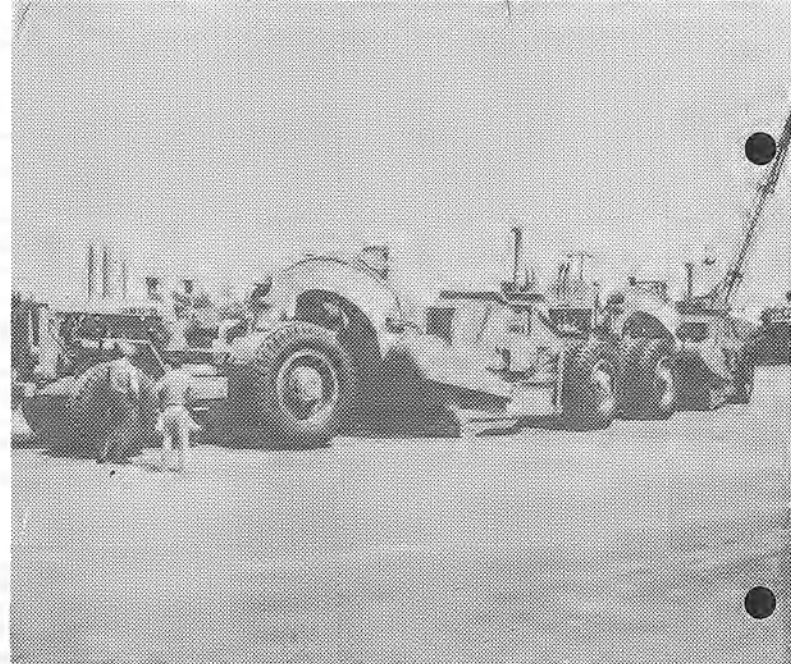
Al Haworth, of Stockton, was low bidder to the U. S. Forest Service for land clearing in the Stanislaus National Forest.

The building construction work continues above normal in both Modesto and Stockton. New department stores, industrial plants, housing projects and shopping centers create grading and paving jobs for A. Teichert & Son, S. M. McGaw, M. J. Ruddy & Son and Standard Materials, to name a few of the larger contracts. This type of work keeps many smaller employers and owner-operators busy on small backhoes and hoisting equipment.

The mountain road jobs have reached their peak of employment at this time and should remain this way until their jobs are either completed or shut down for the winter. Harms Bros. on Highway 88 and Claude C. Wood Company on Highway 4 are in the paving phase of their respective jobs.

ROCK PLANTS PROSPER

The rock, sand and gravel plants are enjoying a good season due to the building construction and road jobs throughout the district. P. G. A. at Tracy is working on a two shift operation to supply crusher run for the McNamara job. A. Teichert



WHAT'S NEW . . . the "equipment race" to build bigger machines is on, and latest entry is Euclid's TTSS 90, capable of hauling 80 yards for Western Contracting Co. on its canal job at Newman.

& Son is taking a good deal of Teichert Aggregates output, Claude C. Wood Company Rock Plant furnishes the materials for their construction work plus supplying other users in the Lodi area and Stockton Sand & Gravel sell commercially in the eastern part of San Joaquin County.

In the Modesto area Standard Materials, Munn & Perkins, American Sand & Gravel, Santa Fe Rock, Allied Concrete and American Transit Mix are all cashing in on the Matich Corp. Freeway Job in Modesto and Ceres, which was noted in the beginning of this report. This leaves Turlock Rock Company supplying aggregates for batching operation on the new Stanislaus County College in Turlock and Frank Marks selling commercially from his gravel plant east of Newman.

NEW WORK

The call for new work is rather slow at this time with the State

Division of Highways calling for bids October 14 on the construction of 5½ miles of expressway on Highway 124, north of Ione and the intersection with Highway 16. Budget allocation is \$1,800,000 for the project and includes a bridge across Dry Creek, about six miles north of Ione.

The Bureau of Public Roads will be advertising for a grading and temporary surfacing job in Tuolumne County near Big Oak Flat and another in Aspen Valley later this month or next month.

The State Department of Water Resources has earmarked another \$13 million for a portion of the California Aqueduct to be constructed in Stanislaus County with bids expected to be called for some time in October. This will adjoin Western Contracting Corp. ending west of Patterson and continuing north for about 6 miles.

Freeway Work Nearly Done Many Jobs Going in Marin

By AL HANSEN

SAN RAFAEL—The north bay area work program is progressing well, and our out-of-work list is low. This is the way we like to see it. Equipment and men scattered all over the place!!

C. D. Madsen has a few jobs going around the area, and a good crew working steady.

Pacific Coast Builders, with a job going at San Rafael High School, has a few members working.

Soiland Company has several underground jobs going throughout the county and a few good subdivisions.

E. A. Forde Company, with a few small jobs around the area, has a good job on Highway 101 at the north end of the county.

Williams Construction Company, started its job at Strawberry Cove with a few members. Brown-Ely Company and Linscott Company are also working on this job. Williams Construction will spend a little over one million and one-half on the first section of its project. J & K Construction job at Indian Rock sub-

division in San Anselmo is doing all the underground.

Brown-Ely Co. started a new job at Novato—to move 150,000 yards in 60 days. Litecrete Co. has several rental rigs on this job.

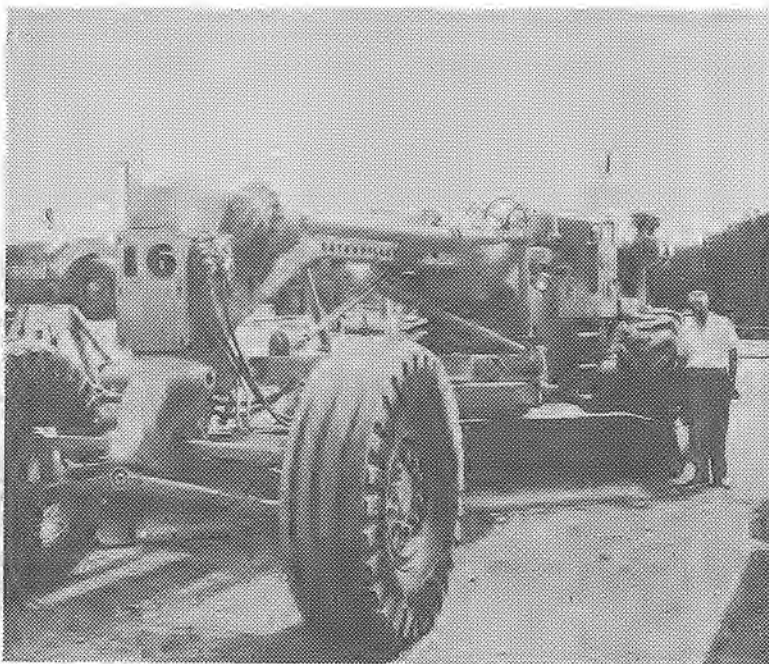
Syar & Marms and Gordon H. Ball, on Highway 101 at Hamilton Field are still trying to get finished this year if they can. There are three crews working steadily.

Coxco is working steady on their two jobs (130,000 yards on one and 270,000 yds. on the other)—both jobs are located in Novato, and have good crews on these two jobs.

Hydraulic Dredging Company finished its dredging job on Petaluma River and by the time this goes to press, they should be out.

Ghilotti Bros. has several small jobs around the county, and a few are of pretty good size.

Linscott Co. has a job at Strawberry and working on a job at San Rafael assessment district; also they are starting a new job at Terra Linda.



BIG AND POWERFUL . . . this new "Cat 16" makes its debut with Western Contracting Co. Relative size may be compared with the size of Business Representative Glenn Dobyns and the tire.

San Francisco's Tallest Building Now Being Erected

By DALE MARR,
GEORGE BAKER, ED DuBOS

SAN FRANCISCO—The tallest building west of the Mississippi River will give a new dimension to San Francisco's international skyline with the addition of the new 43-floor Wells Fargo building.

The Pomeroy-Gerwick Company finished driving pile at the site and installed the bulkheads for the building, and recently Bigge laid in a 42-ton steel foundation girder at the corner of the building, at Montgomery and Sutter streets.

Significantly, it is the largest single section of steel to be used in the building, and was fabricated by U. S. Steel's American Bridge division in Los Angeles. Over 10,500 steel sections, totalling 12,500 tons of high-strength weldable steel will form the framework for the building.

The steel work is expected to take seven months, and two 100-foot high guy derrick, each 45-ton capacity, will be used to lift the steel into place.

One of the larger projects going on right now is the restoration of the Palace of Fine Arts. This \$7 million job will be a slow and tedious one because all original work is being duplicated. Aron Wreckers has completed about 60 percent of the demolition here, but there is a long way to go.

Peter Kiewit finished a portion of the piledriving job at Gas House Cove in the Marina. As soon as they complete cement-

ing the piles they will move some of the boats in from Yacht Harbor and start restoration there.

Cahill started work on the new Fontana building, completing four floors, and have 14 more floors. They figure they will be finished with the cement pour by January 1965.

Mary's Help Hospital is nearing completion. Lathrop has taken down their tower crane, but there is still a great deal of finishing work to be done here.

Swinerton & Walberg have nearly completed the \$7 million job on the Ghiradelli building. They are hoping for a November 20 opening with Trader Vic already to move in and open another of his famous restaurants.

Bragatto Paving is half-way finished with the realignment job on the Great Highway near Fleishhacker Zoo.

Guy F. Atkinson is starting on the Freeway job which will connect the Bayshore with Third Street and will be working in a very confined area, so they have brought in a truck tower crane for the job.

M. J. Lynch started a sewer job at Franklin and Lombard streets.

the excavation and underground work, and is now starting to build the clubhouse and recreation center at Visitation Valley.

Eichler's project in Visitation Valley is about ready to go with a crew inspecting and making necessary repairs on cranes before going full swing.

Fresno Work Tightens

By JOE MILLER, GLENN
MULLOWNEY and GENE
FORTH

FRESNO—Work is still holding very well, with many jobs going and many Brothers working in all parts of the district.

The out-of-work list however is beginning to grow as we have had an influx of operators from other areas.

Engineers should call the Fresno office before coming into the area, as we now have a number of men out-of-work on our list. We will call the other district offices for men should the need arise.

We have a few new jobs breaking in the district during the next month which will employ more Brothers, and expect to see more orders for men to come from contractors as Exchequer Dam equipment arrives on the job.

This area should continue to do well for the Brothers this Winter. However, weather will be a determining factor.

Local Building Contractors: All local contractors in the metropolitan area are busy. Demolition contractors are active in the down-town area demolishing old buildings in the re-development area.

New construction of the down-town area should pick up in the near future.

ROCK, SAND, GRAVEL

At present we have had a slowdown in the Rock, Sand and Gravel operations. This seems to occur each year about this time

and then it picks up later in the year.

We are negotiating now with the producers in the area and expect to complete negotiations for a new contract before the first of October.

APPRENTICESHIP

Classes are under way at the Fresno City College again for our apprentices. One group is starting its second year and a new group is beginning its first year. Approximately 50 apprentices are in school.

We expect to start a class for gradesetters in February. Anyone interested, contact the Fresno office for applications and information on this class.

JOBS

Huber, Hunt & Nichols is coming along very well on the new county Court House. The steel is up to the fifth floor. We have three crane crews on the project at present.

Thesta Construction Company is well along on the new telephone building on Van Ness and should be finishing the exterior and interior walls in the next couple of months.

Alex Robertson Pipeline Company will be starting a 40 mile gas line in October. This line will be in Kern and Tulare Counties. A pre-job conference was held in Bakersfield recently. We expect to have a good number of Brothers on this project.

Nick Chambers Trenching Company recently purchased a new Parson 255 trenching machine. This machine is the newest

model out. The company revised the digging ladder and made a real machine in doing so. This machine will dig a trench 25 feet deep. The owner, Edith Chambers, is very pleased with her new purchase.

Valley Nitrogen Producers has awarded an \$8 million contract to Chemco Construction to enlarge their plant at Helm. They will employ about nine Operating Engineers on this project, crane operators, oilers, etc.

J. F. Pritchard Company expects to use five Operating Engineers at Hanford on their ammonia storage plants. This is a \$2 million job and should last about six months.

Ball and Miles, on highway 198 at Visalia, should keep their crew busy until next summer. They are using a Coleman loader on the excavation.

American Paving Company has six miles of Mountain road, 70 miles above Porterville in rough country and working a lot of overtime to complete the job before the snow comes.

Fredrickson & Watson, Hess & Dubach & Kenneth H. Golden Company are putting down C. T. B. and will start paving this Winter on highway 99 at Kingsburg next month.

At Coalinga we now have signed agreements with Atlas Minerals Corporation and Coalinga Asbestos Corporation who are mining and processing asbestos. They are now employing about 50 men.

SWAP SHOP: free want ads for Operating Engineers

RULES FOR SUBMITTING ADS

- Any Operating Engineer may advertise in these columns without charge any PERSONAL PROPERTY he wishes to sell, swap or purchase. Ads will not be accepted for rentals, personal services or side-lines.
- PRINT OR TYPE the wording you want in your advertising on a separate sheet of paper, limiting yourself to 30 words, or less, including your NAME, complete ADDRESS and REGISTER NUMBER.
- Allow for a time lapse of several weeks between the posting of letters and receipt of your ad by our readers.
- Please notify Engineers Swap Shop as soon as the property you have advertised is sold.
- Because the purpose should be served within the period, ads henceforth will be dropped from the newspaper after three months.
- Address all ads to: Engineers Swap Shop, AL CLEM, Editor, 474 Valencia Street, San Francisco 3, California. Be sure to include your register number. No ad will be published without this information.

FOR SALE

MODE O'DAY FROCK SHOP, established 20 Yrs., Franchise. Small investment. Owner retiring. George Westberg, 3278 East 16th St., Oakland Calif. Phone KE 2-8484. Reg. No. 200508.

PLACER GOLD MINE, 60 acres. Sierra Co. Water. Cabins. \$12,000.00 1/4 down. Can be worked with dragline. W. W. Whitman, 3509 Ripley Street, Sacramento 38, Cal. Phone 922-7670. Reg. No. 381862.

RUNABOUT 14 ft. Rockholt, 40 hp, Mercury Electric, Trailer & Equipment. \$600.00, or will sell boat & trailer \$350.00. Claire Rooney, 9 E. Lewelling Blvd., San Lorenzo, Calif. Phone: 278-0190. Reg. No. 991097.

L-122 I. H. C. 3/4 TON, duals, flat steel bed, 3 speed Brownie (12 forward, 3 reverse). Excel. welding rig, trailer tower, wrecker, etc. R. B. Moyer, 247 Bailey Rd., Pittsburg, Calif. Phone 458-4603. Reg. No. 830834.

LARGE BUILDING SITE. Huge old pines. In beautiful Aptos Country Club tract. A fast moving area of distinctive homes in country atmosphere. \$5,500. terms. Ralph Kidwell, 21575 Norman Dr., Los Gatos, Calif. Ph. 354-2901. Reg. No. 947108.

BELTONE HEARING AID, model "Companion". Make offer-cost \$349. Don J. Davidson, 798 No. 13th St., San Jose. Calif. Phone 292-1888. Reg. No. 876154.

MOBILE HOME, 10x41, 2 bedroom., one w/nw bunk beds. New carpet in livingrm. Awning & Cooler included. \$2,700.00 furnished. \$2,400. unfurnished. Steve Doughty, 717 N. McDowell, Sp. 118, Petaluma, Calif. Phone: 763-3598. Reg. No. 1065300.

1959 FORD F5 with Powers Utility 8'x11' mechanics bed, 8 compartments keyed alike. Gin pole sockets, Tulsa 18 winch, trailer hitch front & rear, bottle rack & vise stand. This truck ready to go. Low mileage. 1 owner driven. Virgil Anderson, 135 Rose Lane, Los Banos, Calif. Reg. No. 962243.

FALCON-60 STATION WAGON, 2 dr., engine rebuilt, top cond., overload springs, radio, heater, deluxe model. Priced for quick sale. \$700. J. deGlymes, 2666 Leeward, Hayward, Calif. Phone 782-6473. Reg. No. 1079873.

1957 GREAT LAKES TRAILER HOUSE, 8'x45', good condition. Carpet, washer, new furnace, porch included. \$2000. Ronald Barney, 565 No. 9th West, RFD No. 1, Box 465-A, Pleasant Grove, Utah, Phone 785-3482. Reg. No. 912090.

INBOARD 18 ft. \$200. 10 ft. Hydro Plane 10-horse, Mercury \$100. Bert A. Genereux, 2900 Mt. Diablo, Stockton, Calif. Phone 463-3371. Reg. No. 509659.

1964 PRESTIGE MOBILE HOME 20' x50', 2 bedroom., carport aluminum awning 10x30, patio awning 40x10, full alum. skirting, many extras, garbage disposal, extra wide sliding glass door, many more. Will take best offer. Ralph Calaiaro, Phone CERES 537-5325. Reg. No. 1148253.

HUNTERS & FISHERMEN! 1941 CHEV., 1-1/2 Ton Panel, 4-wheel dr., dual rear wheels, 40 gal. water tank, 2 gas tanks, 10x5x5 inside, trailer hitch & vacuum brakes. \$450 or trade for jeep. John R. Franklin, 20059 Royal Ave., Hayward, Calif. Phone 538-3154. Reg. No. 1076473.

DINING TABLE Eastern Rock Maple, with 2 leaves, 4 chairs, \$150. (will include 6x9 oval braided rug & pad); butterfly coffee table \$25.; solid oak modern bed \$10. W. C. Elliott, 251 Corte Madera Ave., Mill Valley, Calif. Phone 388-3545. Reg. No. 605444.

RUNABOUT BOAT 16', 70 hp, Mercury eng., trailer, ski equip. Good fishing boat. Price \$995. Bobby G. Cooper, 29302 Ave. 13 1/2, Madera, Calif. Phone 674-5457. Reg. No. 1058389.

LAKE TAHOE 3 bedroom. house. Sell or Trade, local property or land. Fireplace, central heat, elec. kitchen. \$13,000. Low down financing. C. T. Smith, 637 Beacon, Oakland, California. Reg. No. 487434.

LOT 60X100, Woodford, Calif., Power, water, paved road. Kenneth D. French, 3929 Via Cristobal, Campbell, Calif. Reg. No. 908550.

NASHUA HOUSETRAILER 1962, 10x55' expanded livingrm., 1 bedroom, front kitchen, \$4,000. 99 M Austin Western Blade \$1800. 1947 Ford Dump Truck \$175. Neely L. Fougler, P. O. Box 297, Bethel Island, Calif. Phone 684-2424. Reg. No. 394264.

GAS STOVE w/trash burner, Vibrator chair, each \$25. Dressing table w/large round mirror, \$15. H. W. Keeler, 2281-2nd St., Napa, Calif. Reg. No. 429149.

HOME, 1 bedroom, w/furniture, basement, garage, shade & fruit trees, all fenced, large lot big enough to raise beef. Full price \$5,000 cash. Garland Booker, Box 62, Smartville, Calif. Phone 639-2257. Reg. No. 448639.

CABIN CRUISER, 21 ft. Trojan, Hd., stove, icebox, sleeps 2. V-4 Johnson elec. O. B. Coast Guard inspected. Fully equipped. \$2,000 or trade for self-contained Travel Trailer. Ralph L. Sloniker, P. O. Box 885, Port Chicago, Calif. Phone 458-4693. Reg. No. 622796.

STEREO, 40 W. Amplifier, AM-FM and Receiver—\$150.00. Phone: PL 6-5351. Reg. No. 1169430, Fritz Michon.

TRACTOR, Fordson 8-N, with 52 in. Howard Roto, Continental posthole digger. 2-9 in. Augers. Good condition—tires 60% new. Otha Berry, P.O. Box 362, Half Moon Bay, Cal., Ph. RAYmond 6-2046. Reg. No. 845363.

HOME, 5 rm. stucco, sep. dining rm., tile bath & kitchen, 220 V., fenced landscaped lot, cov. patio. FHA approved \$550.00 plus closing costs. Must see to apprec. N. G. Cole, 1861 Mesa Way, Santa Rosa, Calif., Reg. No. 436874.

AUTOMATIC WATER Conditioner—Eureka—never used, 15 gal. per min. cap.—\$600 new—sell \$395 or make offer, after 6 p.m. 369-5727—Geo. Southers, 1933 Bayshore, Redwood City, Reg. No. p04770.

REFRIGERATOR, Westinghouse, med. size, good cond. \$30.00; 1952 Stude. Radio—\$10.00; can be seen at 149 University Ave., Vallejo, Calif.; Phone 642-6103; John Davis, 6145 Wildhorse Valley Rd.

1961 PONT. Bonneville Conv., full power, all access., new tires, A-1 cond. throughout. Sell equity or trade for older car or pickup. F. R. Katarzy, 65 Virginia Dr., Pittsburg, Calif. Reg. No. 736362. Ph. 458-4557.

HOUSE, 2 bedroom modern, 2 1/2 acres L. H. Harlon, Reg. 429142, P.O. Box 313, Fort Bragg, Calif. Ph. 964-4495.

COMET, 1962-S-22, R & H, bucket seats, automatic, new ww, \$1500 or make offer; see James Whitman, Castle Trailer Ct., Sp. 48, San Pablo, Calif.; Reg. 1053883.

SUCTION OR DISCHARGE ROSE, Hvy. Dty. 4 in., oil resist., 400 ft.; Roy Cook, 9300 Fruitridge Rd., Sacramento, Calif., Ph. EM 3-8228, Reg. 683257.

BUCKEYE TRENCHER—18' Buckets 4400 Caterpillar Motor—\$2150; 85 Ingersoll Rand Air Compressor—\$550; 1959 Buick Station Wagon, new rubber, \$1300; Gay Weir, 2222 Grand Ave., Sacramento, California, Phone 922-2193, Reg. No. 773001.

HOME, 3 br. in Anderson, 12 min. So. of Redding—fireplace, GE air conditioner, lg. closets, hwdwood floors, Elem. and H. S. in walking distance. FHA appraised \$13,500—Jack Weyler, 66 Silver King Mine Road, Redding, Calif., Reg. No. 845564.

TOOLS, complete, for HD Mechanic, Welder; '61 Stude. 3/4 pick-up, 4 speed, 289 motor, Budd wheels, 21-000 mi. Sell together or separate. M. S. Holderman, Rt. 2, Box 2062, Auburn, Calif.; Ph. 885-3639, Reg. 271558.

HOUSE TRAILER, 1959, 30', TERRY, Modern, tw. beds. Complete with awning, cooler and TV antenna. Sliding glass doors. \$2400. James C. Good, 821 Latimer Ave., Sp. 22, Modesto, Calif., Phone Area Code (209) 523-8979, Reg. No. 652475.

CLUTCH ASSEMBLY, TD 24 International, complete, \$200. George Walker, City Trailer Park, Sp. 31/153 13th St., San Pablo, Calif. Phone BE 5-8644, Reg. No. 1059638.

HOUSETRAILER, 1960 30' Kenskill, exc. cond., awning and cooler. \$2450. See at Pleasanton Trailer Park, Space 39, William R. Grinnip, P.O. Box 339, Pleasanton, Calif. Reg. No. 1112890.

WANTED TO BUY

H. D. MECHANIC'S hand tools. Please give description and price to: Les Reeve, 53 E. Hillsdale Blvd., San Mateo, Calif. Reg. No. 1051351.

MOVING?

So you will not miss one issue of Engineers News
BE SURE to advise us of your change of address.

REG. NO. _____

LOCAL UNION NO. _____

SOC. SECURITY NO. _____

NAME _____

OLD ADDRESS _____

CITY _____

NEW ADDRESS _____

CITY _____

Clip and mail to Engineers News, 474 Valencia St., S. F. 3, Calif.



The Oakland Report

The Dredges Work Alameda

By ED HEARNE, TINY LAUX,
RED IVY, JIM JENNINGS,
STAN GARBER and
JERRY BLAIR

OAKLAND—Hydraulic Dredging Company has over a million yards of fill to place at the foot of Third Street in Alameda for the multi-million dollar Harbor Land Community Development, in preparation for the construction of an apartment complex including a lagoon and yacht harbor. Hydraulic has two suction dredges (the "Papoose" and the "Sucker") working three shifts on the job, and one clam shell dredge (the "Solano") building dikes. Elmer Wendt of Rio Vista, has four self-loading scrapers working on the same job.

L. C. Smith is getting started on the Warren Blvd. job where they have 1.3 miles of four lane freeway to construct to cost approximately \$1.6 million. Heim Bros. sub-contracted the clearing from Smith, and has several Engineers on the job at this time.

Murphy Brothers is getting underway on the sewer job on 35th Avenue, and it looks like there will be three months work for 8 or 10 engineers. The Gordon Ball crew is busy paving the west bound lanes of the Fredrickson and Watson and Granite's section of highway 24 freeway at Orinda. Kaiser is finishing the aggregate for F & W & Granite and is using Claude Wood's portable batch plant for mixing. Gallagher & Burk also has a crew paving the off ramps and approaches on the same job.

SOUTHERN ALAMEDA

Erwin Varwig started work on Ridgeview sub-division in Pleas-

anton. At this time they are working 9 brothers opening the job so they may start another spread. There are about 300,000 yards to move.

Silva Brothers opened up the dirt spread of the Fred Early filtration plant located near Sunol. They have Brothers Nick Gastillo and Frank McCoy, on scrapers; Henry Stivers (Steward), on dozer; Virgil Compagna, on blade; and Charlie Pedro, foreman. They have a little over 100,000 yards to move which will take approximately two months. Oliver DeSilva is starting a sub-division in the Pleasanton area with about 40,000 yards.

Redgewick and Banke are doing some more site work on the Southland Shopping Center in Hayward. They will be finished about the middle of October. Brother Don Bennet had a nerve-racking experience this week when he ripped through 15,000 volts underground cable. He said it shook him up a little bit and even burned some hair off his head. But after a closer look we noticed he'd been missing the hair for many years!

LOWER ALAMEDA COUNTY

Guy F. Atkinson is moving equipment into the pump house project near Byron. At the present time, there is a small crew which will be increased as the project progresses.

Peter Kiewit, at the Byron pump house and canal job, has reduced to one shift on the dirt-moving operations.

Greene & Winston's pipe job near Byron is now well on the way and is still keeping a few operators busy. Morrison &

Knudsen, at the Mountain House canal job, has moved the maximum bulk of the material. All that remains is the clean-up.

Finn Construction's Flood Control project at Pleasanton has increased the spread during the past week. Equipment is being rented from All-State Equipment, Dutch Graf, Rosendahl Corporation and Crow. They are running two shifts on the rubber-tired equipment and three shifts on the drag lines.

The Oscar C. Holmes flood control channel project, south of Walnut Creek, is progressing rapidly. Guy F. Atkinson's free-way job between Walnut Creek and Danville is in the final stages.

Grading Unlimited is still moving dirt on the Dublin housing project and Piombo, on the same job, now has a 60-inch Kolman loader which is loading a string of fifty bottom dumps. They are hauling between eight and nine thousand tons a day to the new Coliseum in East Oakland. Frank Beach is doing the underground work in Dublin.

Greene & Winston's Dublin Freeway job is keeping most of its crew busy, while San Leandro Pipe is still going strong on housing tracts in Dublin area.

Ransome Company is busy in Castro Valley with two street-widening projects, one on Lake Chabot Road and another on Redwood Road.

John Nichandros, Inc. has a long-range program at the top of Redwood Road in Castro Valley and purchased a few pieces of equipment to do excavating work. There is a small crew at this time and should be increased.

New stewards and safety men have been added. They are: Brothers "Rocky" Passmore, on John Nichandros job in Castro Valley; Abel Ornellas, on the Oliver De Silva job, Redwood Road, Castro Valley; Duane H. Jackman, on the Grading Unlimited job at Dublin; Cliff Johnson, on the Finn Construction job at Pleasanton; Felix Coronada, on the Greene & Winston job at Dublin. Safety men are: James A. Fleig, for Oliver De Silva, and H. V. Goedart, for Grading Unlimited.

Eureka Work Still Heavy: Outlook Bright

By RAY COOPER and
CURLY SPENCE

EUREKA—We are going into October and everybody is still working. We realize the weather situation about this time of the year, but are optimistic about getting in a couple more months before the rains hit.

A few contractors, who have been double-shifting, have caught up on schedule and have returned to a single shift operation; we are getting a few brothers back on the out-of-work list, but we hope to keep them going.

Arthur B. Siri Co. moved in on the Arcata 7th Street overpass job. This project includes 1.5 miles of existing 4 lane highway to be converted to freeway standards; ramps and approaches and 2 bridges. Matt Siegal Company is sub-contractor on structures.

Granite Construction Co., at Blue Lake, is still in high gear and should have the dirt work completed very shortly. Their

New Work In San Jose Slow; Current Jobs Keep Men Busy

By A. H. HOPE, G. L. MOORE,
WM. HARLEY DAVIDSON and JAMES N. HALL

SAN JOSE—Work in the San Jose area is showing indications of reaching a "tapering off" period. No new large projects have started, and the majority of the brothers are busy on work presently under way.

Saratoga Ave., in San Jose, is a hub of activity. Piazza is working the Pruneridge widening; Dan Caputo is in the same area with his San Tomas Expressway, from Stevens Creek Blvd. across Saratoga Ave., and Pisano Bros. are installing storm and sewer system along Saratoga Ave., south of San Tomas Creek.

Elmer Wendt Co., of Rio Vista, started another section clearing and widening Guadalupe Creek.

McGuire & Hester started clearing for 5 miles of 60-inch pipe and a 10 million gallon storage tank in East San Jose.

L. C. Smith Co. has all the rough grading finished and is starting on CTB and some black-top work on the Homestead and Bayshore job connecting with Fredrickson & Watson's job.

The A. J. Raisch Co. finished the rough grading on the new Drive-In job, and it's supervised by Brother Botswick on Unit No. 4 section of Lawrence Station Road. There is still a lot of street work in Santa Clara Industrial Area.

Lew Jones Construction Co. started work to construct 300 feet of pre-stressed concrete bridge, with approaches and earth channeling.

Things are looking up on the Hood Construction water line where 70 of the Brothers will show progress until the rains come. Power lines and underground facilities slowed up the project, but they are going right along. Ban Bros. has two big ditching machines on the job.

In Hollister, Manuel Smith is under way on the first phase of a quarter of a million dollar water line job for the city. Pipe Linings, Inc., started grouting the water lines.

In Gilroy, Sam Spencer is busy on various tracts. George Renz has a number of paving and driveway jobs going at present.

E. A. Hathaway Co. will start the Civic Center in Los Gatos

for \$810,825. The modern complex will be on E. Main St., and will include new Council chambers, a library, and administrative areas for city offices.

SANTA CRUZ

Work in the Santa Cruz Area is still holding up well. Granite Construction is busy all over the area on subdivision and road work. Watsonville has two large shopping centers under construction, and Granite is here doing the State overlay job, and bypass. Granite has a new hot plant nearly finished.

Madonna will be setting up a hot plant in Little Sur to handle the paving job on Highway No. 1. The Firestone Plant in Salinas is going to expand immediately, which should put a number of the Brothers to work.

LOW BIDS ON NEW WORK

Virgil Kester, paving in Capitola, \$27,711. Valley Pump of Salinas, well drilling in Capitola, Phil Calabrese, parking lot in Pacific Grove, \$32,698. Granite Const., development work in Seaside, \$108,666. Hampshire Const. Co., 30-unit housing development, Gonzales, \$348,000. Diani Construction Co., Tank Road job around San Antonio Dam, approximately \$102,000. Bid were opened Sept. 30 for a 6.7 miles of road job located 1.5 miles north of Bradley with five bridges to be constructed on this project, in Local No. 3 area.

FUTURE WORK AWARDS

L. V. Chalmers & Sons were the lowest of seven pipe laying contractors on the Winchester Blvd. trunk sewer project for \$113,929. (Engineers' estimate was \$118,303.) The trunk line will extend from Waldo road on the north to Capri Drive on the south, and connect with the West Los Gatos trunk, which eventually will tie in with the San Tomas line under construction.

Rothschild, Raffin & Weirick of San Francisco were awarded a big one, to add two floors at El Camino Hospital in Mt. View. Bid was \$2,501,950. It didn't include the steel framework, which has been under way for several weeks under another contract.

F. B. Stearns Construction Co. was awarded the contract for auxiliary facilities to improve Permanente Creek and California St. and Latham St. for \$71,325.

Sandgroth Bros. came up with one for maintenance surfacing of various streets in Los Altos for \$46,873.

Work on Dams, Canals Give Young Engineers Good Season

By DANNY O. DEES, A. A. PENNEBAKER, ED. MIDDLETON,
ROBERT LONG, JACK McMANUS and LOU JONES

All the jobs are going good in the Sacramento area at this time. The shops in this area are working long hours, and highway jobs are going at full force.

The Fredrickson-Watson and Guy F. Atkinson job at Emigrant Gap is moving at top speed. They are using several apprentices.

The American River Dam job is still using a number of our apprentices and they are getting a lot of experience.

We are very happy and proud of our display booth at the State Fair and had many young men stop to find out about our program.

We are still getting a few apprentices out of the Stockton area. We hope to get more out when Western gets in gear on the canal at Newman. On the McNamara job at Tracy, a number of apprentices are working in the shop. Earl Frossner, Shop Superintendent, is pleased with our apprentices. Claude Woods, at Lodi, has four apprentices in his shop and on road jobs on Highway 4 and 88. The first apprentice class started at Delta College on Tuesday, Sept. 8.

Fresno is still going strong as work on the dams are using a number of our boys at this time. San Luis Dam is one of the best for apprentices. Exchequer Dam, being handled by Dravo Contractors, will use apprentices as soon as possible.

We have a number of apprentices working on road jobs south of Fresno, and in the shops in the Fresno area.

This is a good year for the young engineer over most of the State. Contractors are realizing the value of the apprentice program and see advantages of using these young men. Most apprentices in Eureka and Redding are working; however, Marysville finds slow going but sees a big improvement.

Clifford Bong has one man in Crescent City; Wunderlich employs two, at Klamath; Hoffman, at Samoa; Granite, at McKinleyville; Mercer-Frasier, in Eureka; Herrington, way up at Hoopa Valley; Alliance Construction, Arcata; and Moseman Construction, at McKinleyville, are all using this man-power.

Redding is "cooking" in more ways than one. Weather-wise it gets warm and the apprentices are beginning to "cook" on the jobs. Peter Kiewit, on the McCloud Dam, is using two men; Fredrickson and Watson is using two on the Corning Freeway; Gordon Ball is happy in Redding with apprenticeship; Morrison-Knudsen, on Pit 7; Rothchild-Raffin and Werieck at Pit 7 Afterbay, Shea-Kaiser-Macco-Morrison at the surge tank, and J. H. Hein in Redding, are all making good use of these members.

actual construction will get under way, as it will mean Winter work for some of the Brothers.

We could go on writing about all the other jobs in the area but it would only be a repetition of the previous report. Many projects will not be completed this year and will carry over to Spring.

We had an exceptionally good year and we are looking ahead to many more in the future. From the information we have received we know of four new freeways coming up next year. The Scotia to Redcrest job should run around \$7 to \$8 million. Engineers estimate \$5 million for the Dean Creek to Garberville section and \$3 million from Garberville to Benbow. The Crescent City to Gasquet section of freeway is also scheduled for next year and should be near the \$5 million mark.

New Hydraulic Dredge Starts Work in Kawainui Swamp

By HAROLD LEWIS,
BERT NAKANO,
CLARENCE FRIEND,
WILFRED BROWN

HONOLULU—Study your candidates and vote for those who will work in your behalf! Material gains that we have today through collective bargaining can be taken away by legislation. We urge everyone to vote wisely!

Throughout our membership, there are many members who devote much of their time day to day to the task of maintaining the strength of our Union. From time to time, we would like to put the spotlight on a few of these brother members whom we feel should be recognized.

Our spotlight this month falls on Brother William Ko, who has been employed by Hawaiian Bitumuls and Paving Company, Ltd., for 12 years.

Like all veteran experts, he operates a semi-trailer truck with great skill. Throughout the years of service with his employer, his excellent safety record has been a credit to the company. Serving as Shop Steward for a company that has had no union for a very long period of time, and a payroll of approximately 130 employees, Brother Ko has a great responsibility. However, through his efforts, he has gained the respect he richly deserves from both members and management.

We admire his aggressiveness and efficiency and are impressed with the wonderful work he has accomplished in keeping the members informed, handling grievances, and seeing that the contract is enforced. Each Saturday morning, Brother Ko without fail, unless he is working, reports to the Union office to discuss all of his business throughout the week. We are indeed proud to have Brother Ko as a member and Shop Steward. (Next month, our spotlight will fall on another brother member... it might be you!)

We have been busy in negotiations for the past few months. We may report new agreements have been consummated with Doi I, Hauling Contractor, Inc., RMT Equipment, Inc., and W. T. Chang Contractors, Inc. (Dredg-

ing and Transport Agreements).

As a result of negotiations for a new dredging contract with W. T. Chang Contractors, Inc., Kawainui Swamp out at Kailua, Oahu is taking on a new look. W. T. Chang Contractors, Inc., purchased a new Hydraulic Dredge for the new storm and flood control project and will be dredging and widening the existing canal which should take approximately a year to accomplish.

Brothers David Ekman, Leverman; Peter Kahananui, Engineer; Masuo "Mac" Yoneoka, Mate; Raymond Scanlon, Deckhand; and Daniel Koapio, Cat Operator, are all working on this project. The new dredge is the first of its kind to come into the State of Hawaii. It is a 12-inch full hydraulic dredge and a fine piece of machinery.

Hawaiian Dredging and Construction Company, Ltd., secured the second increment of the Ala Moana Shopping Center. The \$15 million phase II will be constructed at the Waikiki end of the center complex and will include the Liberty House and J. C. Penney department stores.

BIG ISLAND NEWS

Most jobs are nearing completion. The Chain of Crater Road in Hawaii National Park will link historical Kalapana with the Volcano Area. It will be completed in approximately two months, by Construction Equipment Company. Upon completion, bids will be called for surfacing the 20-mile road.

OVER ON HILO

On the Hilo Flood Control Project, the bridge over the Flood Channel, on Kilauea Avenue, is complete with traffic open to motorists. Construction Equipment Co. is now building concrete embankments on both sides of the Channel, and will proceed with the construction of a concrete box culvert at the intersection of Mohouli Street and Kinoole Street. The excavation of the intersection is being done by Kuwaye Brothers. Traffic on Kinoole Street is being diverted into Kilauea Avenue while this job is being done.

\$10 Million Sacramento Airport Gets Started

By ERNIE NELSON, AL DALTON, CLEM A. HOOVER,
JERRY ALLGOOD and ART GAROFALO

SACRAMENTO — Work has started on the new Sacramento \$10 million Metropolitan Airport. A meeting was held by the County Board of Supervisors with representatives of the several airlines which brought assurance from the Airlines that they would use the new Airport. The contract was awarded to Frederickson and Watson and Granite Construction Company, and work was started the following week.

N. P. Van Valkenburgh, in the same area, is cleaning up after its pipe-laying job and is installing manholes. This has been a real tough job and has taken the better part of three years to complete.

Work has started on the W-X Street bridge. Lentz Construction Company started clearing and excavation on approaches and Raymond Concrete Pile Company moved in a 3900 Manitowac. Fruin-Colnon, who is the sub for the concrete work, has a 38B on the job. Kaiser Steel Corporation is the prime contractor on this job with a contract of \$12,700,000 and will do the steel erecting for the bridge span. California Wrecking, West Coast Wrecking, to name two, are clearing the area between W-X Street which will carry the freeway across town. The first contract on this portion will be let in the Spring of 1965.

Peter Kiewit and Sons is making good progress on their 29-30th Street freeway job, and has started pouring the deck for the east-bound lanes from P Street east. They have a very efficient crew of Engineers on this job.

Our out of work list is small now as we have reached the peak of the season. A total of 440 men were dispatched in the past month. Work is still slow in the valley with a few jobs moving along.

A. Teichert and Son started

the \$1.8 million pipeline in the Fruitridge area. They have their "no-joint" machine on this job at the present time but will move the other crews in within the near future. This should be a fair Winter job as it is all on city streets.

Peter Kiewit was low bidder on the other portion of the 29-30th Street freeway with a bid of \$4,769,862. Work should start in a month or six weeks on the 1.4 miles of roadway. This project includes construction of the second unit of the Fort Sutter Viaduct and a separation structure north of X Street.

Several small contractors, including McGowan Brothers, are busy throughout the area. The McGowan Brothers and their loaders always do a good job for any contractor they may be working for.

Campbell Construction Company, with their subs, Lentz Construction Company, Lebeouf and Dougherty, and Lloyd Johnson Company are really rolling on their storage tanks at the Yolo Port. They have already poured one building and will be starting on another in a couple of weeks.

The A. E. Teichert Construction Company of Sacramento has submitted a low bid of \$69,241 to the City of Roseville for the construction of Darling Way Bridge.

The city councilmen have already awarded the project to Teichert to give them as much time as possible before the rain starts.

City Officials originally estimated the cost of the project at \$56,000 but raised their figures recently to \$65,000 when they became convinced they had computed too low.

WORK IN UPLANDS

Work in the high country is in full swing at this time. The crews in general have been putting in long hours.

Rollins Dam is on schedule so far. Granite Construction has had a very good job here, and it has been a smooth operation.

Hell Hole Dam is just in its first stages. The tunnel here is slowing down as they are going to come out of this hole and move the crews to two other locations. They will be concreting here and driving from the down stream end. Part of the crew will go to Ralston Portal and the rest of the Middle Fork heading.

The concrete crews are still having trouble getting into acceptable ground at Oxbow Dam site. These Brothers are working in mud and water trying to find bed rock to start the base footings. This project is running two shifts and when they start to pour will go to three shifts.

POLLOCK PINES

One of the power tunnels now under construction in California is being driven by Walsh Construction Company, three miles north of Placerville. Forty to 50 Operating Engineers have been employed on this project.

White Rock Tunnel is one of three major hydroelectric projects in the Sacramento Municipal Utility District's White Rock

Development of the Upper American River Project. The 24 Foot Horseshoe Tunnel is about five miles long, and is one of the largest bore power tunnels in California. In addition to tunnel driving, the \$12.5 million job includes five miles of roads, gate shaft, a surge chamber, and various concrete features. The job will require about two and one half years to complete.

The first phase of this job has involved tunnel driving by Walsh Construction Company's subcontractor, Gates and Fox Company. They have completed Adit No. 2 plus key which consisted of 900. No. 1 Adit plus key is also completed. This consisted of 600 feet.

Adit No. 3 will be started September 21. This will be 400 feet. They will drive both ways toward inlet and down stream in big tunnel.

Kirk Fox is 100 percent owner of Gates and Fox Company. He was also the first in the United States to use long holes and the first to use rock bolts. He is the leader in safety in tunnels and he gave a great deal of his time to further the safety device invented by O. D. Brogan to prevent air lines from breaking loose and hurting the men. In six months on this job they have had only one man hurt. This was a broken leg.

Walsh's Project Manager is Les Huntington and his assistants are Gerald (Fuzz) Herd, Superintendent; Matt Krumpotic, Project Engineer, and Les Girard, Asst. Project Engineer and Geologist, and McAvoy, Master Mechanic. Gene Byrd is Office Manager and Cliff Nelson the Paymaster. SMUD's Project Engineer is Homer Castonia of Bechtel Corporation. Brother Al Dalton is the business representative for the Operating Engineers on the White Rock Project.

District Meetings

October

DISTRICT 1

San Francisco—Oct. 7, Wednesday, S.F. Labor Temple, 16th and Capp Street, 8:00 p.m.

DISTRICT 4

Eureka—Oct. 13, Tuesday, Engineers Bldg., 2806 Broadway, 8:00 p.m.

DISTRICT 7

Redding—Oct. 14, Wednesday, Engineers Bldg., 100 Lake Blvd., 8:00 p.m.

DISTRICT 6

Marysville—Oct. 15, Thursday, Elks Club, 920 D Street, 8:00 p.m.

November

DISTRICT 3

Stockton—Nov. 3, Tuesday, Engineers Bldg., 2626 N. California, 8:00 p.m.

DISTRICT 9

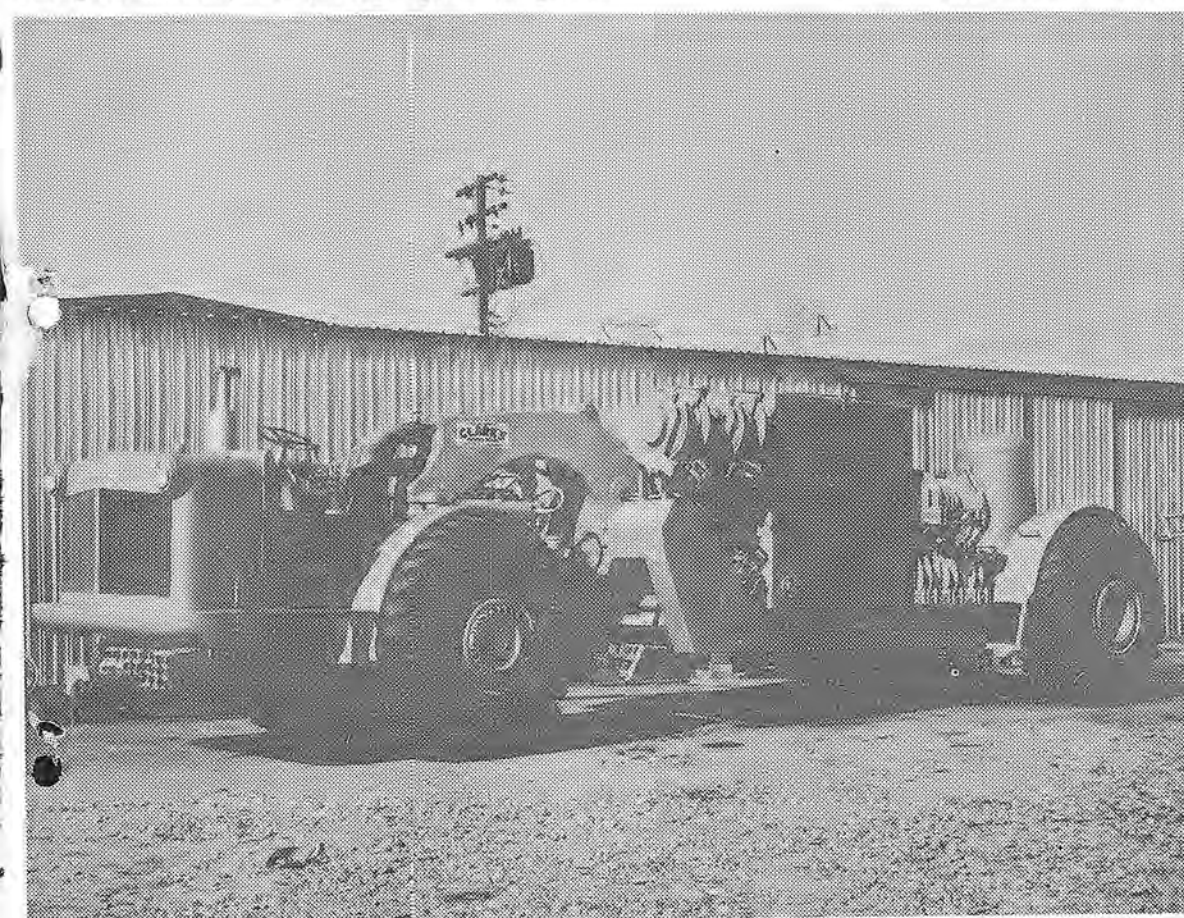
Watsonville—Nov. 5, Thursday, Veteran's Memorial Bldg., 215 Third Street, 8:00 p.m.

DISTRICT 8

Sacramento—Nov. 10, Tuesday, C.E.L.&T. Bldg., 2525 Stockton Blvd., 8:00 p.m.

DISTRICT 2

Oakland—Nov. 12, Thursday, Labor Temple, 2315 Valdez Street, 8:00 p.m.



NEW DESIGN . . . this sharp-looking grease truck was built for Dravo in Sacramento by Clark Welding shop. It is powered by a small Euclid.

Computer Will Streamline Handling Membership Dues

The long-awaited electronic computer which will start processing membership records will be assembled in the San Francisco office next month. The automatic system will provide more accurate and faster service to the membership, according to Business Manager Al Clem.

The mechanical processing will cut down on administrative expense and insure proper credit to members' accounts.

Members will receive two cards in the mail. One will be clearly marked, "return this billing card," and must accompany dues payments. The card will contain the following informa-

tion: member's Social Security number, Register number, dues credit if any, the dues period date due and amount due.

It is, therefore, very important to the member to return the card for proper credit. It is equally important that the IBM card not be stapled, folded or mutilated.

The second card will be made up of the member's wallet identification, receipt and punch-out decal to insert in a re-styled identification badge.

If a member doesn't have a badge or loses one, he should contact his agent, or the main office in San Francisco for replacement.

SOCIAL SECURITY NO.	REGISTER NO.	DUES	CREDIT	DUES PERIOD	DATE DUE	AMOUNT DUE
<p>IMPORTANT:</p> <p>DUES MUST BE PAID IN ADVANCE TO BE IN GOOD STANDING.</p> <p>PLEASE RETURN THIS CARD WITH YOUR NEXT DUES PAYMENT.</p> <p>DO NOT STAPLE, MUTILATE OR BEND.</p>						
<p>RETURN THIS BILLING CARD WITH A CHECK OR MONEY ORDER FOR THIS AMOUNT</p>						
<p>MAKE CHECKS PAYABLE TO: OPERATING ENGINEERS LOCAL UNION NO. 3 P. O. BOX 5412, SAN FRANCISCO, CALIFORNIA 94101</p>						
<p>TEAR OUT THIS DECAL AND PUT IT IN YOUR PIN</p>						
<p>THIS IS YOUR IDENTIFICATION CARD. TEAR IT OUT AND CARRY IT WITH YOU</p>						
<p>IDENTIFICATION CARD</p> <p>THIS CARD CERTIFIES THAT</p> <p>IS A MEMBER OF OPERATING ENGINEERS LOCAL UNION NO. 3</p> <p>IN GOOD STANDING THROUGH</p>						
<p>DATE PAID</p> <p>AMOUNT PAID</p> <p>CLASS</p> <p>INITIATED DATE</p> <p>TRANSFER TO DATE</p> <p>PAID BY</p> <p>AL CLEM, Business Manager</p> <p>W. J. WHANNON, Secretary</p>						

It is important to return the enclosed billing card to receive credit for your dues payment. Also, clip out your decal and insert in badge holder. If you need a holder, contact your Business Agent.



WORKING . . . at Oroville: top left, crew vulcanizes sheets of conveyor belt with reinforced nylon. Below are three operators of "the Wheel," Terry Braaten, Adam Gonsales and Warren Keen. Top right is a scraper delivering cobble to hopper at K station, miles below dam site. Bottom is Oro Dam Constructors repair shop above dam.