

Season's Greetings to All

ENGINEERS

NEWS

STATIONARY ENGINEERS LOCAL 39



OPERATING ENGINEERS LOCAL 3

Vol. 23—No. 12

SAN FRANCISCO, CALIFORNIA

151

December, 1964

College Scholarship Awards 1965-66

General Rules and Instructions for Applicants

Two college scholarship awards of \$500.00 each will be awarded, one to a son and one to a daughter of members of Operating Engineers Local Union No. 3 for study at any accredited college or university.

The Local 3 scholarships will impose no restrictions of any kind on the course of study. Winners may accept any other grants or awards which do not in themselves rule out scholarship aid from other sources.

WHO MAY APPLY

Sons and daughters of members of Local 3 may apply for the scholarships. The parent of the applicant must have been a member of Local 3 for at least one year immediately preceding the date of the application.

The applicants must be senior high school students who have or will be graduated at the end of the Fall Semester, 1964, or Spring Semester, 1965, in public, private or parochial schools who are planning to attend a college or university anywhere in the United States during the 1965-1966 academic year and who are able to meet the academic requirements for entrance into the university or college of their choice. Students selected for scholarships must have achieved not less than a "B" average in their high school work.

Applications will be accepted between December 1, 1964, and March 1, 1965, for appointment to begin with the following Fall Semester.

AWARDING SCHOLARSHIPS

On receiving the application, Local 3 will verify the membership of the parent. The application will then be submitted for judging to the University Scholarship Selection Committee, an independent, outside group composed entirely of professional educators.

Apart from verifying the eligibility of the applicant, Local 3 will not exercise any choice among the various applicants or indicate in any way that one applicant should be favored over another. All selections will be made by the University Scholarship Selection Committee on the basis of factors normally used in awarding academic scholarships.

Selections will be announced before the end of the current school year, and a check for \$500.00 will be deposited in each winning student's name at the college or university he plans to attend.

INSTRUCTIONS

All of the following items must be received by the Recording-Corresponding Secretary, Operating Engineers Local Union No. 3, 474 Valencia Street, San Francisco 3, California, before March 1, 1965.

1. **The Application**—to be filled out and returned by the applicant.

2. **Report on Applicant and Transcript**—to be filled out by the high school Principal or person he designates and returned directly to Local 3 by the officer completing it in the postage-paid envelope which is supplied with the form.

3. **Letters of Recommendation**—Every applicant should submit one to three letters of recommendation giving information about his character and ability. These may be from teachers, community leaders, family friends or others who know the applicant. These may be submitted with the application, or sent directly by the writers to Local 3.

4. **Photograph**—a recent photograph, 2 inches by 3 inches, with the applicants name written on the back, attached to the application. (Photo should be clear enough for reproduction).

Scholarship Entry Blanks Are Now Available

This is the month to start filling out applications for the Operating Engineers \$500 College Scholarship award, which will be presented in May to a son and daughter of an Engineer of Local 3.

The first awards, made during May of 1964, were won by Carol Jean Henry and Patricia Rathbone, daughters of Brothers Clarence Henry and Stanley Rathbone.

Over 150 applications were received from every area of the jurisdiction of Local 3. The applications were reviewed by the University of California Undergraduate Scholarship committee and winners were announced by Business Manager Al Clem.

Entire rules are in this issue of Engineers News. Applications may be received upon written request to W. V. Minahan, recording-corresponding secretary, at the San Francisco office. Scholarship money will be deposited in the college or university of the winner's choice prior to the Fall semester beginning September, 1965.

Check Dues Card; Avoid Suspension

Members who are suspended for non-payment of dues are cautioned it will cost more money to reinstate them than to merely pay the back dues.

Dues for any period must be paid, at the latest, by the fifteenth (15th) day of the third calendar month of the delinquency to avoid suspension.

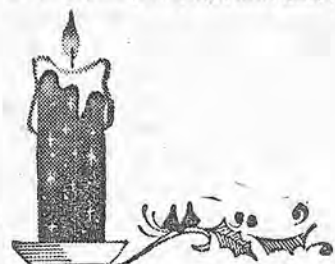
This means that dues for the third quarter must be paid in full on or before December 15th.

If a member is suspended, it then will be necessary to make application for reinstatement, together with a penalty fee of \$20, plus his back dues.

So save time, money and unnecessary red tape. Pay your dues promptly and avoid the possibility of suspension.

Membership suspension is covered under Article VI, Section 5 of the By-laws approved by the general membership.

Happy Holidays...



To all Members, their families and loved ones. . . .
From the Officers, Executive Board and Staff of Operating Engineers, Local 3 . . .

Most Sincere Holiday Wishes for a Merry Christmas and Happy New Year.

Our wish is that you receive all that is good in this World—sound health, financial security, lasting friendships and the warmth of Family Love. Above all, during troubled times, may you find a share of peace in the world through Christianity for you and your loved ones in the year ahead.

AL CLEM
Business Manager
PAUL EDGEComb
President
DALE MARR
Vice President
T. J. STAPLETON
Trustee
I. JAY NEELEY
Trustee
AL BOARDMAN
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Conductor
JOSEPH MILLER
Guard
W. G. RANEY
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WALTER TALBOT
Auditor

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Guy B. Slack, Ernie Miller, Merle W. Isbell, Earl E. Horn, Charles Kirkwood, Jack W. Slade, Joseph Ames, William V. Woodyard, Al P. Perry, Garth A. Patterson, Leslie W. Warren, and Clarence C. Bruner.

New Membership Billing Sent To 6500 Members this Month

The first automated membership billing is being mailed this month to over 6500 members throughout the jurisdiction of Local 3. Newly-styled lapel identification badges will be included in the mailing along with a receipt and decal.

However, to insure proper credit, the automatic data processing machine must have the correct information from the members. It is, therefore, important to include any changes of address, changes in beneficiary, etc. to receive membership credit for the next billing, the Engineers News, Health and Welfare and Pension Trust Fund, and credits with the International for the magazine and burial fund.

It is also important to return with your remittance the left hand portion of the card. The decal should be punched out and

inserted in the new badge and identification card is for your wallet.

Among the first bills to be printed was to John R. White, of Redwood City.

Business Manager Al Clem said that through the machine other programs may be handled. He said it can perform accurate programs for payroll, the Credit Union affairs, and contract control. The machine is capable of 36 programs and is capable of "reading or writing" the equivalent of 30 pages of the Readers Digest per second and remember it with 100 per cent accuracy.

In the event of a member prepaying his dues, as is common among the Engineers, the office girls check the amount billed with the payment and record this into the data processor. Bills are printed at the rate of over 800 per hour.

Memo

from the
Manager's Desk

By AL CLEM

As this is the last edition of the paper in the year, 1964, we think it might be appropriate at this time to review some of the gains, accomplishments and highlights made by our Local Union over the past year.

We received National recognition in our efforts for the training of young engineers. Our Apprenticeship Program was awarded the Patterson Award, the highest award that can be received by any Local Union or any Joint Apprenticeship Committee in the United States. It is indeed gratifying to note that we have in excess of 400 indentured apprentices at this time. This is the result of many hours of labor put forth by your Joint Apprenticeship Committee composed of the employers whom we work with are interested in training future engineers for our Local Union as well as your Business Representatives in the various districts.

APPRENTICESHIP EXPANSION

We recently met with contractors in the State of Nevada, whereby we have started the machinery in motion to set up an Apprenticeship Program in this section of our jurisdiction. We know that there are many fine, young people in the State of Nevada who are interested in joining the ranks of Local 3, and I am confident that by working closely with this group of members, we will be equally successful in achieving the goals in apprenticeship training in Nevada as we have in California.

Another of the highlights of the accomplishments of your Local Union during the past year was the establishment of a Credit Union. Many of those who are participating in this activity know that it has been an extremely successful venture. We have over 2800 members.

CONVENTION HELD HERE

In April of 1964 our International held its convention in the city of San Francisco, at which time the Constitution was revised and brought up to date, this necessitated re-writing our Local Union By-Laws, and submitting it to the membership for its ratification. It is indeed with a great deal of pride that we are able to report that the work of the committee, which drafted the proposed changes in our By-Laws, was concurred in by an overwhelming majority of the membership.

It was also extremely gratifying to the officers, Executive Board Members, and me that the proposal dealing with the re-adjustment of the dues schedule of our Local Union had the overwhelming support of this membership. This indicates to me that the members of Local 3 are sincerely interested in their union, and are desirous of seeing it go ahead and growing stronger as time goes on.

ADDITIONAL WELFARE BENEFITS

In May of 1964, the Health & Welfare Program of California was changed to provide additional benefits to the members and their families, as well as the bank-of-hours being increased to afford better coverage for the members of our Union who may be out of work for a period of time. The pension contributions were also increased. These changes were brought about by a rather unique chain of events whereby the Negotiating Committee working with the employers modified our Master Agreement in the middle of the contract, changing certain portions which we believe were beneficial to all concerned, and whereby the employers agreed to make additional contributions to the Health & Welfare and Pension Plans.

We hit another milestone of membership service with the awarding of two \$500 college scholarships to daughters of Brother Engineers. The Executive Board renewed the scholarships again this year, details of which are found on the front page.

MODERN MEMBERSHIP RECORDS

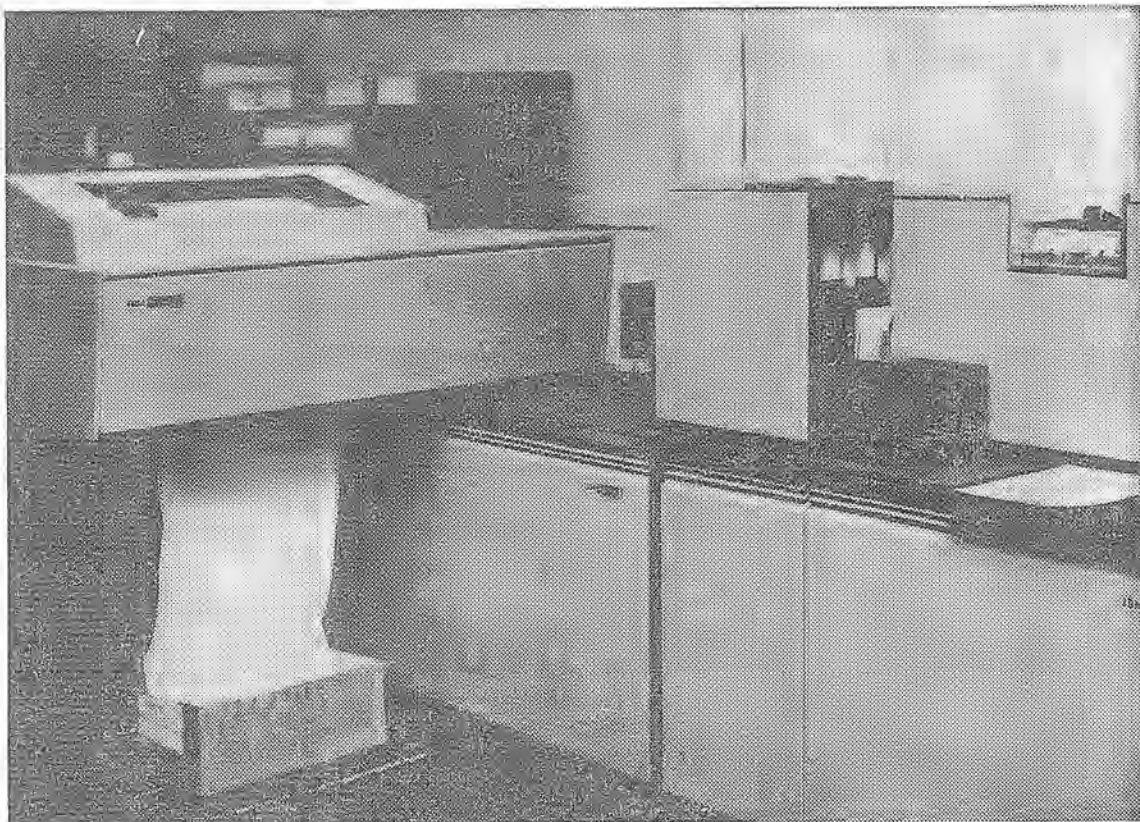
Another first, not only for Local 3, but we believe for any Union in the country, was the installation of the modern electronic computer system for the processing of the dues and other related jobs which have a direct bearing on the operation of your Union. This system is the most modern which the International Business Machines Corporation has on the market, and we hope that by utilizing it to the fullest advantage, we will be able to furnish further information to the District Offices, thereby rendering additional service to the membership as a whole.

It is with a great deal of pride that we report to you that one of our officers, Brother Dale Marr, was appointed to the Executive Board of the Construction Section of the National Safety Council. This is the direct result of the recognition our Safety Program has received throughout the United States and Canada. This could not have been accomplished if we did not have the whole-hearted support of the membership of Local 3, and our International Office, particularly, General President Hunter P. Wharton.

We find that since we have assigned a representative as

—Continued on Page 3

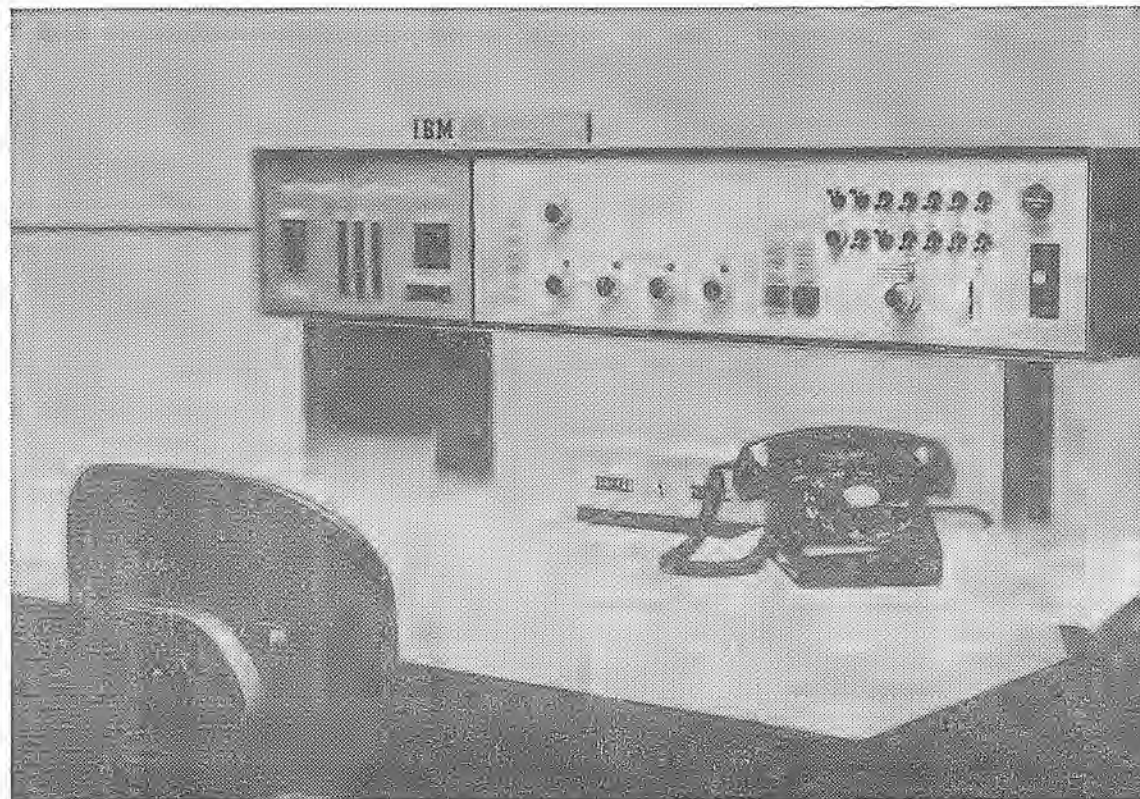
AUTOMATIC DATA PROCESSOR



PRINTER . . . here membership cards are printed at rate of 800 per hour. The machine receives impulses from the disk drives, through the central control. (See below.)



DISK DRIVES . . . this automatic data processing machine resembles a giant record player. On it is stored all membership records of Local 3. The central control is shown at the rear with the console at rear left.



CONSOLE . . . this is the keyboard for starting the automatic data processor, through which technician or operator may "commute" with the machine to "read" a member's record.

ENGINEERS NEWS

STATIONARY ENGINEERS LOCAL 39

OPERATING ENGINEERS LOCAL 3



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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

Editorial

Remember the Day?

Oil still seeps from the sunken battleship Arizona 23 years after the Japanese attack at Pearl Harbor, but the atmosphere is serene compared to December 7, 1941, when all hell broke loose shortly before 8 a.m.

Over 2000 Americans lost their lives; over 1700 were injured and our Navy was broken with eight capital ships sunk during the 110-minute raid.

Today, with the flag still flying over the sunken Arizona indicating she is still a commissioned ship of our Navy, veterans groups, friends and relatives make pilgrimages to the memorial and strew flowers on the water in tribute to the 1102 men still entombed within its hull.

Now Navy ships glide into the harbor with "all hands" lined up at the rail in silent tribute to the men who lost their lives 23 years ago. Ford Island is in the foreground with the mountains of Koolua forming the background.

When it all started 23 years ago, you thought you would never forget. Today, hardly anyone remembers.

(See page 16—Let Us Begin)

MORE -- Manager's Memo

Continued from Page 2—

a liaison man between this office and the Health and Welfare Office that we have been commended by many of our members for the fine work that Brother Fran Walker is doing. This is a job that takes a great deal of time and patience, and in addition to this assignment, Brother Walker is also processing industrial injuries.

We know that since we have been conducting Safety and Credit Union Meetings throughout the territorial jurisdiction of our Union, that the members and their wives have shown great interest in these meetings, and we, in turn, have received many fine suggestions and ideas which we have been able to put into effect to better our Union as time goes on.

PLANNED STEWARD MEETINGS

In the coming year we anticipate on holding a series of Stewards Meetings in each of the districts to familiarize the stewards with the intent of our contracts, and they in turn may pass on information to the officers and the Negotiating Committees. By these means we are hopeful of improving and strengthening our Collective Bargaining Agreements.

In addition to the above accomplishments, our negotiations with the various employer groups have proceeded in an orderly fashion. We were able to secure substantial gains in all the contracts which were opened this year. The main ones are: The Rock Sand & Gravel Industry, the Mining Industry, the Scrap Industry and the various Equipment Shops. Our organizing campaigns were in most part successful. This is reflected by the substantial increase in membership during the past year. All these gains, it goes without saying, could not have been achieved without the full cooperation of all our members working with the Business Representatives and the Officers of our Union as a team.

FIRST RETRAINING PROGRAM

On of the most noteworthy achievements during 1964 was the retraining program for 300 of our Brothers at Camp Roberts under the Manpower Development Training program of the U.S. Labor Department.

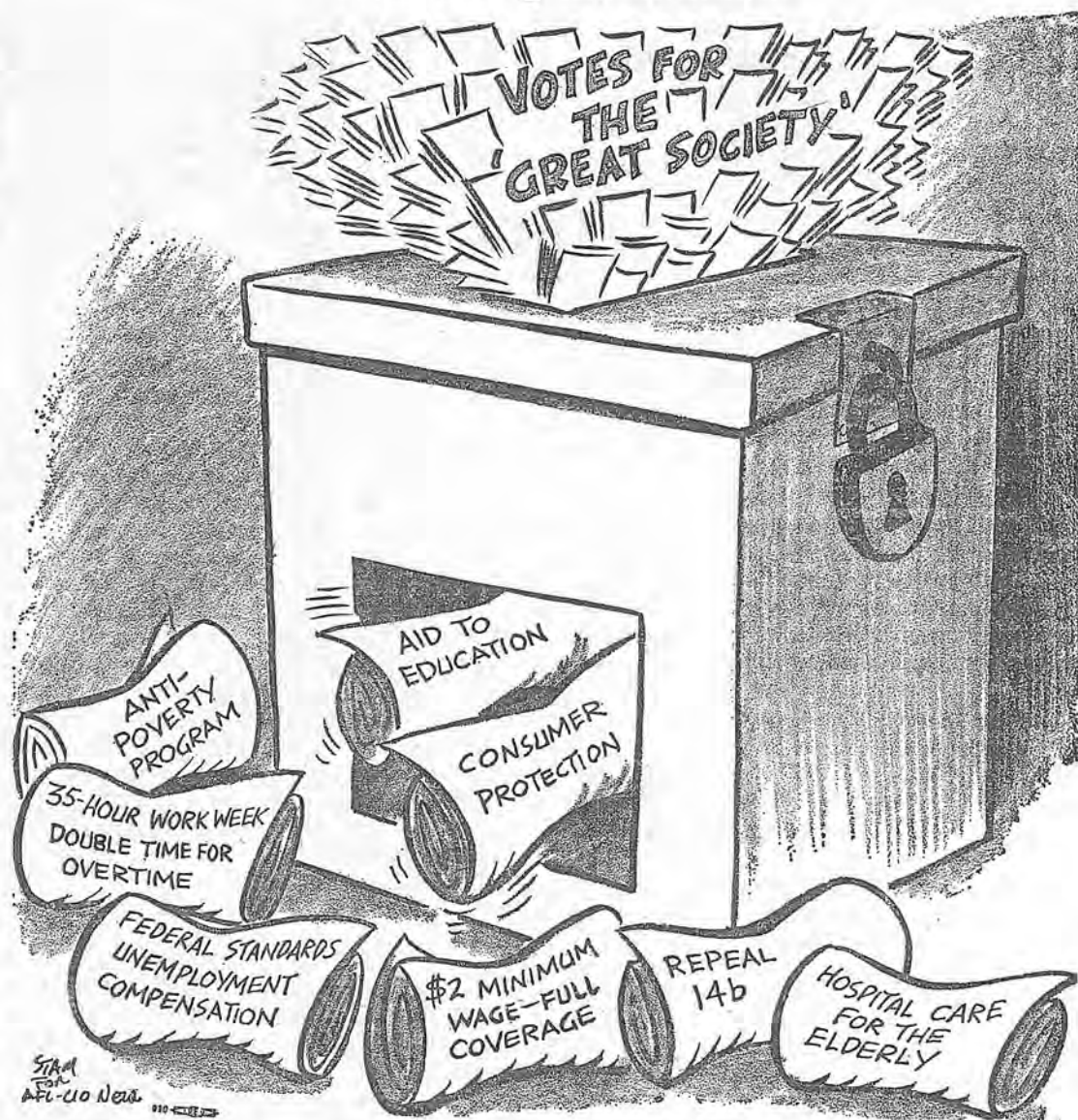
It was the first such program in our industry in the entire country and a great deal of attention has been focused in the program. Senator Tom Kuchel paid Local 3 a great honor by reading into the "Congressional Record" the entire program.

During the month of November there were 61 regular agreements signed and 43 short form agreements, making a total of 104. There were 1625 members dispatched to the various jobs during the month.

SEASONS BEST WISHES

In conclusion I would like to take this opportunity on behalf of the Officers and Members of your Executive Board and the Office Staff to wish everyone a Merry Christmas and a Prosperous New Year, with happiness and good health for everyone of our members and their families in the coming year.

Translating the Mandate



Big-Value Christmas Gifts

By SIDNEY MARGOLIUS

You can get the most for your money this Christmas by selecting gifts of special value this year.

Keep in mind that prices of gift items are highest in early December and that more price-cutting sales show up in mid-month.

SWEATERS: We nominate sweaters as an outstanding gift buy this year for any member of the family, because of the attractive styling now available, the improvement in washability and the currently reasonable prices.

Two types of machine-washable sweaters are available: the now-familiar acrylic fiber (like Orlon) and the newer blend of wool and polyester (Kodel, Dacron, etc.). The blend of 65 per cent wool and 35 per cent polyester provides a sweater that is not only machine washable and dryable, but warmer and more resilient than synthetic fiber sometimes is by itself. However, the wool-polyester sweaters, often cost \$2-\$3 more than the all-synthetic like Orlon. All-wool sweaters also cost less than the wool-and-polyester, but most of the moderate-price ones do require hand washing.

SCIENCE MATERIALS: There is a dearth of good science toys this year. Some of the commercial manufacturers quit manufacturing science-type toys because they took a bad financial beating on them last year, and are concentrating on war toys and monsters. Unfortunately, the commercial science toys were expensive and sometimes had more attractive packaging than genuine science content.

You can get authentic science materials and instructive playthings from local science and natural history museums, and also from professional supply firms that sell to the public as well as to schools.

The "Book-Lab" sets have become a standard item for children interested in science and nature. The sets include a book and materials to perform the experiments described. Among the most popular are "Seeds," "Map Making" and "Magnets." Others include "Chemistry," "Jets and Rockets," and "Mathematical Shapes." These have a list price of \$3.95 although some retailers sell them for a little less.

At \$6.95, Brainiac K-25 includes a book and parts to make a simple circuitry set demonstrating the principles of digital computers. These sets are available in stores, or you can get a brochure describing them from Grosset & Dunlap, 1107 Broadway, New York, N.Y.

A more expensive set called "Metal Science

Lab," at \$13.95, leads a youngster through the beginning steps of metallurgy.

Another standard source for science materials and optical goods is the Edmund Scientific Co., Barrington, N.J., 08007. This company will send a catalog listing optical goods, arts and crafts, construction items, magnets, magnifiers, weather instruments, science projects and many other materials. Edmund's prices are especially good on surplus goods, including its clearance items of games and equipment unloaded by commercial toy manufacturers. Its prices on other merchandise are not necessarily cut prices but are standard.

PLAY MATERIALS: Creative Playthings, Inc., one of the major suppliers of playthings and equipment for nurseries and schools, also offers an "economy" catalog for families. This shows durable playthings favored by educators, but simplified and with less detail to bring down the cost. The catalog itself is a helpful shopping guide to selecting toys by various age groups, from infants and toddlers, to grade-school children. Playthings are grouped by activity type, such as "physical activity," "manipulative activity," "learning toys," "discovery toys," "family games," etc.

The large wooden blocks and building shapes are standard, durable playthings. But of special interest for infants and toddlers are giant foam rubber building blocks. Transportation and wheel goods also are a lasting group of playthings emphasized by educators in buying equipment for schools.

UNION DOLL, PUP: The Union Label and Service Trades Council of Greater New York again is offering its specially-priced Miss Union Maid Doll for \$1 plus 35 cents for mailing. This is a miniature doll dressed in a satin ballroom gown. Another offering by the Council is Pete, the Union Label Pup, a stuffed bulldog type covered in rayon plush and machine washable. Pete costs \$2 plus 50 cents for mailing. The Council's address is 20 East 15th Street, New York, N.Y. 10003.

BOOKS: We cannot list here all possibilities but only a few of the newer books that have special interest. Some stores offer discounts from the prices listed here.

Among these, for children, are "The Cat in The Hat Beginner Book Dictionary" by P. D. Eastman, ages 4-8, \$2.95; "Now You Can Read to Yourself," stories selected by the Child Study Association of America, ages 7 and up, \$2.75; "America and Its Presidents," by Earl S. Miers, ages 10-14, \$4.95, and "Samuel Gompers, Labor Pioneer," by David F. Selvin, ages 10 and up, \$3.

Oakland, East Bay Report

Shell Project, BART Hold '65 Promise

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

OAKLAND — While construction work has been suffering due to rainy weather, ship yards and scrap yards in the Oakland area are enjoying a fairly heavy work load, which has resulted in the addition of a number of Engineers to their payrolls.

Todd shipyard is working two shifts with 18 Engineers on overhaul work for the Navy and also have the Pacific Far East Lines "Golden Bear" in for repairs for extensive damage it received in a collision with a Matson Lines ship.

Brother Frank Meins was recently appointed safety Committeeman at Todds and Brother Leonard Perry was appointed steward replacing Brother Oscar Carlson who retired.

Pacific Coast Engineering has been awarded a contract by the Sea-Land Corporation to build eight large cranes for loading their trailer van sized cargo containers on board ship. This in addition to the other projects they are working on or have pending should keep a fair-sized crew of Engineers busy through the winter. Brothers Jim Rule and Jim Meeks are serving as steward and safety committeeman at Pacific Coast Engineering.

The equipment dealers have been contributing quite favorably to the employment picture so far this season. Peterson Tractor Company is employing 238

Engineers, 188 are working out of the San Leandro shop. California Tractor, Blakemore and Bay Cities Equipment account for another 65 Engineers working.

The Varwig Company has pulled off of the Seacrest Tract behind Oak Knoll Hospital, and Independent Construction Company has moved in to finish grading while Johnson Construction Company is doing the underground work.

SHELL DEVELOPMENT

The Ralph M. Parsons Co., the C. F. Braun Co., and the Flour Co., are the three companies who have contracts to construct a number of new installations for Shell Oil Co. Parsons has been on this project for about six weeks and has eight engineers employed, and will add 12 to 14. Fluor and Braun expect to get underway shortly after January 1, and will employ approximately 40 Operating Engineers. They will lay 80 miles of pipe over a radius of 10 miles. This project is due for completion in August of '66. Brothers at that job will have a traffic hazard at Pacheco Blvd., and Shell Ave., in Martinez because at the peak of construction, there will be 1400 people employed.

Wenton Jones is well underway on the excavation at Shell Oil. A number of the sub-contractors have been busy with underground and overhead pipe work. They report being well ahead of their schedule. However, their work has been hampered by the heavy rains.

The Oakland office staff and Business Representative wish everyone in the East Bay Area a Merry Christmas and Happy New Year. It has been a pleasure working with everyone.

PIPE LINE JOB

M. G. M. will kick off on a pipe line for the Southern Pacific, at the S.P. Pumping Station at Avon. This job will be a five-day week — 8 hours a day. This will be a ten inch line, and will run from Concord, to Mission San Jose, parallel to the Southern Pacific Railroad from Concord through Danville and to Dublin.

Rapid transit will also be a major project, getting underway in early '65. The most recent contract was let in October to Massman Co., to conduct additional test strips which will tie in to Gallagher and Burks' job in Concord. This will also include a 3000-foot bridge.

The Rock, Sand and Gravel Plants in Upper Contra Costa shows a steady increase in work and the outlook for '65 is excellent.

The Columbia Steel Mill has not offered any additional contracts other than those underway at the present time. Chicago Bridge and Iron still employs eight engineers.

Work around the Antioch area is very quiet. The Gordon Ball Co., is finishing its freeway project and should have public access to this freeway in the very near future.

There are a number of small

jobs coming to a close in Upper Contra Costa County. The many housing projects have managed to keep a few of the Brothers busy throughout this past year.

We regret to report our first fatality on the Rapid Transit job. On October 22, Brother George W. Jones, (employed by M. G. Schaller Co.,) and working near Bancroft and Minert Roads, was electrocuted while operating a Pett-Bone Crane. We extend our sympathy for the loss of this Brother to his family.

SOUTHERN ALAMEDA

The rain has slowed a number of jobs down periodically but as soon as it is dry they get back with it again. The contractors are anxious to continue each project as soon as possible.

Independent Construction has just started their small road job on the Dublin Boulevard in Dublin. Between rains they are keeping some of the brothers busy.

Green-Winston's Dublin freeway project has approximately 170,000 yards to be moved before completion.

The Oscar C. Holmes flood control project near Walnut Creek is finished.

Fredrickson & Watson job in the Rossmore Leisure World site near Walnut Creek has approximately 38 brothers working without having lost much time.

At this time Guy F. Atkinson's freeway job on Highway 21 is completed and opened to traffic. Bids are being called by January 6 for the remaining six miles between the Guy F. Atkinson job and the Green-Winston jobs which is a continuation of the freeway.

There is still considerable underground work throughout the area. McQuire & Hester have been keeping a few crews busy at the Rossmore tract near Wal-

nut Creek. Also Prodanovich has a large amount of underground work in this same tract. Flatland Electrical Contractors have a crew busy on the electrical system at the Rossmore tract.

Dan Caputo is making good progress on the repairs to the Broadway Tunnel with two shifts working at this time and it does not seem likely that he will have any problem meeting the December 28th completion deadline.

Guy F. Atkinson is keeping about 40 Engineers busy on their freeway job at the west end of the Broadway Tunnel when the weather permits. They have approximately 500,000 yards of dirt left which will keep the scraper operators' busy for about six weeks. After that the finish crews and mechanics will be around until next summer.

Piombo Construction Company has 25 Engineers working on the Oakland Alameda County Coliseum on Hengenberger Road. They have about 350,000 yards of import material to place and expect to finish by February.

BLOOD BANK NEWS

We hate to sound like a broken record, but despite efforts of a hard working committee of members, our reserve of blood remains pitifully low. If you or one of your family were in need of a transfusion it would be likely that we would have to turn you down.

If you contact the Oakland office we will be happy to set up an appointment for you to donate. It is painless and doesn't take much of your time, and may help save the life of a Brother Member.

We want to thank all of those who have donated so far, and any who might have donated after this was written.

Donors are: Guy J. Basile, Marvlee J. Durlinger, Roy L. Epps, Roland Di Giulio, Joseph E. Henricks, Mrs. Marjorie Ingram, Floyd E. Johns, Hale A. Mason, John V. Nolan, Joe Pereira, Jr., Wayne G. Schlosser, Larry E. Schmidt, and Norman Thompson.

Fresno Area Reports

Rock, Sand Pact Complete

By JOE MILLER, GLENN MULLOWNEY
and STAN BERGMAN

FRESNO — Rains have slowed work in Fresno and jobs here have slowed to a walk since the first winter rains of November. The amount of rainfall was heavier than normal and it was a "bog hole" everywhere.

The out-of-work list has grown rapidly during the last few weeks, and the dispatches have been at a minimum.

As the ground dries up, the work is picking up a little as projects begin to recall their men. We expect the work to be slow for a while but to expect a good year end due to the work in the area.

ROCK PLANTS

The Rock plants in the area have not been doing too well this past month. They have hit a seasonal low and have been down over short periods of time and in some cases have reduced their work forces on a temporary basis.

Negotiations are complete with all local Rock, Sand & Gravel Producers last month and the new agreement is now signed and in effect. Ratification meetings are being held as schedules permit to finalize those plant agreements that were recently concluded.

Elmer G. Wendt Inc. of Rio Vista, started work on the Pacheco Tunnel intake channel. They have a little water problem, but it is not serious enough to shut

them down. E. G. Wendt is a sub-contractor of Dravo Corp. Dravo plans to start excavation on the Pacheco Tunnel around the first of the year. The portion of tunnel they have is approximately 9500 feet at an approximate cost of \$4.5 million, which should take approximately two years to complete. They will use about 30 Operators which will work a three-shift schedule.

Work on the Dam & Channel of Morrison-Knudsen, Utah, Brown and Root; Morrison-Knudsen and Utah; and Guy F. Atkinson Company is pretty well back to normal after the rain they had in the past two weeks. There also has been a small lay-off of heavy duty repairmen and other personnel. It looks like they may be calling a few of them back to work.

Work on the structures, at the 18 mile pumping station and forebay power plant and detention dam tunnel, has been steady, except for a few days after the rain. All of this work is also back to normal. Pittsburgh-Des Moines Steel is getting a good start on the super-structure on the steel in the pump and power plant on the San Luis Dam.

Vickery Inc., of Alamo, is getting a slow start on paving the west side freeway. They are still talking about starting two — eleven hour shifts. This may take place around the first of December.

McNamara & Mannix is finished with the crusher plant and have some cement treated base materials to go. That should be completed in a couple of weeks, providing the weather holds.

The old oil town of Coalinga is getting ready for another boom like they had years ago.

Local No. 3 has signed contracts with Coalinga Asbestos Company and Atlas Minerals Corporation. These companies are mining and milling asbestos and at the present time are using about forty Operating Engineers. Because of the superior quality of the asbestos we expect a rapid growth in this industry.

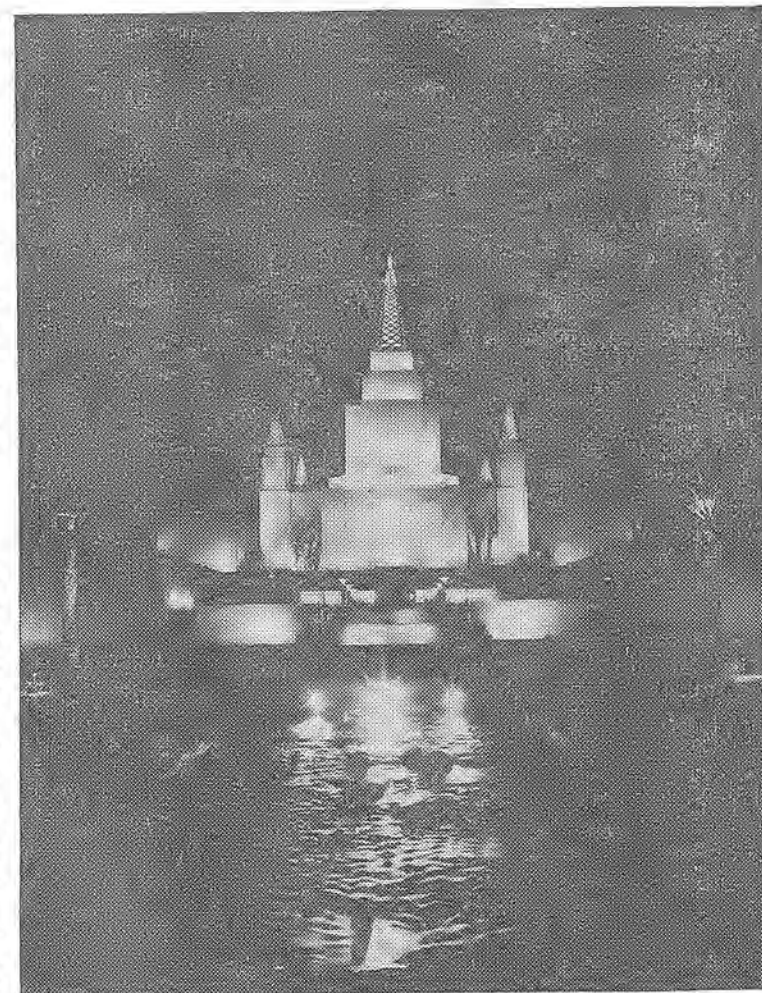
COALINGA BASE

Peter Kiewit and Sons Company will use Coalinga as a base of operations for 35 miles of the San Luis Canal, which should start with their equipment coming in about the first of the year.

Hess & Dubach finished the cement treated base on highway 198 at Lemoore and Golden Company are starting the black-top paving and should keep a crew busy until spring weather permitting.

Ball & Miles on highway 198 at Visalia are using a belt loader on the excavation and should keep their present crew busy all Winter.

Chemco Engineering will be using several crews for the next year at the Valley Nitrogen Producers Plant at Helm.



REFLECTIONS . . . high in the Oakland, Calif., hills is this beautiful Mormon Church, recently dedicated by David O. McKay, of the Mormon Church of Salt Lake City. It is already the most-talked about new edifice in the Bay Area. Thousands of persons stood in line for hours to view the interior and surrounding grounds.

Survey Notes

By
DAVE
REA

Oakland is still running a high peak work force, with a minimum on the out-of-work list. San Francisco has slowed down to about normal for this time of the year. Rapid transit has surveyors working night shifts, and are about filed out on their crews.

San Jose is holding about level on land survey work. Industrial construction work has picked up and will afford some good jobs for our people. Heavy construction is having one of it's best years for construction surveyors, with more projects on the verge of becoming reality work should keep us busy for some time to come.

Since the previous issue of Engineers News, there have been three special meetings held in Marysville, San Jose and Merced. These meetings were well attended. Another round of meetings will be scheduled in the near future, and will be announced in the newspaper. There are two meetings scheduled; San Francisco meeting date has been changed to Tuesday, December 15th, the Oakland meeting will be on Wednesday, January 13th.

For those members who are not aware of it, your Local Union is in the process of picking Stewards in the survey field. Please contact the Business Representative if there is not a Steward in your area, and we will make every effort to appoint one.

Disability Pay Increase to \$80 Effective Jan. 1

Californians who cannot work because of sickness or injury not caused by their jobs will receive a maximum of \$80 a week in disability insurance benefits during 1965, Albert B. Tieburg, director of employment, announced recently.

The 1965 increase over the present \$77 a week maximum is a result of an increase in average weekly wages in employment covered by the California Unemployment Insurance Code. The code contains an escalator clause which provides for adding one-dollar steps to the disability insurance benefit amount table for each dollar by which two thirds of the average weekly wage exceeds \$70.

Under this formula, steps of \$78, \$79 and \$80 will be added to the disability benefit amount table for 1965. This will mean disability benefits next year will range from \$25 to \$80 a week (compared with the present range of \$25 to \$77 a week).

Persons who earn from \$75 to \$524.99 in the highest earnings quarter of their base periods will receive \$25 a week; those who earn \$1,375 and more in the highest quarter will receive the \$80 a week maximum.

The increased benefits are applicable to a disability that begins on or after January 1, 1965.

Stockton Report

Heavy Snows Maroon Six Engineers In Sierras Near Silver Lake Area

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

STOCKTON — Heavy snow storms in the high Sierras trapped six Brother Engineers for five days during the first snow fall which fell around Silver Lake on Harms' Highway 88 project.

The Brothers bull-dozed their way out of 48-inch snow and in some places it was packed over 12 feet. The men brought their equipment, pickups and house trailers out as all work is bogged down for the Winter.

On a lighter note, the men, in good spirits, said "it was a good job. The Boss couldn't get in to give us orders and ride herd on us."

The early snows have created a traffic jam in the dispatch office, however, and the out-of-work list is growing by leaps and bounds.

Work started this past week on the Canyon Powerhouse job at Early Intake by Peter Kiewit Company. A Linden crane will set forms and pour concrete. The crane will be set so it can swing around to the Batch Plant, pick up a bucket of concrete and pour without using a Batch Truck. The project will require about 600 working days to complete.

O. K. Mitty & Son and A. L. Craft have started their High-

way 124 job at Ione. They have finished clearing, and have started to move some of the dirt. They have a new bridge to build across Dry Creek, which will take quite a long time as the bridge span is very long. All work has stopped on the Jackson Creek Dam except the pouring of the outlet tunnel. Work will resume in Spring after the Winter run off has slowed down.

MacDonald, Young & Nelson started work on the new Weinstock-Lubin department store in north Stockton. The expected duration of this job is 13 months.

Gibbons & Reed Company was low bidder at \$981,625 on grading Highway 108 at Twain Harte and constructing a bridge. If weather permits, some clearing will be done during the Winter, but the dirt won't be started until late Spring.

Morris DeRock, of Davis, was low bidder on rebuilding the sewage treatment plant at Jackson. The only Engineers required on this job will be a crane crew and compressor man.

Future Construction Company was low bidder at \$55,625 on two bridges across the Delta-Mendota Canal south of Patterson.

A contract was recently awarded by the Board of Supervisors of



GUARD RAIL . . . Local 3 officers recently donated guard rail to Eye of Pacific guide dog school for blind in Hawaii. From left: Don Kinchloe, Business Manager Al Clem, Willie Cozer, Business Representative Harold Lewis and Buck Hope.

Stanislaus County to M. J. Ruddy & Son, of Modesto, for surfacing approximately 1½ miles of Albers Road from Oakdale city limits to Waterford Road. The bid was \$65,489.

Bibens Nursery Company, of Modesto, was awarded a contract for installation of a sprinkler system for median strip on Airport Road to cost \$16,490.

Bids were opened November 25 for widening of Highway 50 bridge over the Delta-Mendota Canal, six miles west of Tracy, as part of the South Tracy Bypass. The state has \$111,000 earmarked for this job.

Several new highway projects for San Joaquin and Stanislaus Counties, proposed in the 1965-66 state highway budget, should keep a many engineers busy next year. Included in the budget are:

A new freeway from Altamont Pass to Pacheco Pass, resulting from two major highway projects (the West Side Freeway and the South Tracy Bypass on Highway 50). In addition, 36½ miles of highway will be constructed in 1965 along with the South Tracy Bypass, which will involve several interchangers, bridges and roadside safety rests.

Conversion of Highway 99 from a four-lane expressway to a six-lane freeway in the Ripon area is another proposed item in the budget. This project will result in a better link to Modesto from Highway 50.

Three pairs of West Side Freeway bridges will be constructed in the Stockton area. These will consist of an eight-lane bridge over Smith's Canal and six-lane spans over the Calaveras River and Fourteen Mile Slough. The budget, also, contains allocations for several other smaller highway improvement plans.

Federal expenditures of nearly \$8 million will be made in 1965 on water resources projects in this district. Some of the larger appropriations are: Camanche Dam (Mokelumne River) \$3,350,-

000 to complete flood control contribution — Lower San Joaquin River \$1,000,000 to continue construction of flood control levees — Bear Creek (between Stockton and Lodi) \$900,000 to continue construction of flood control channel — New Melones Dam (Stanislaus River) \$700,000 to continue preconstruction planning — South San Joaquin Irrigation District \$648,000 to continue work on a piping project — Plus a number of smaller projects.

We realize 1964 was a slow year for many engineers in this district. There were not many large jobs of any duration, but we are eagerly looking forward to 1965 and hope that it will be a busy year for all.

An item, which we would like to bring to your attention this month, is that many of you are keeping your beneficiary cards up to date. When there is a change in your beneficiary due to marriage, divorce, death, or any other reason, please request a card from this office and change your beneficiary. Keeping these cards up to date saves a great deal of time processing claims in the event of death.

Remember that the O.J.T. Program will be held again this year at Camp Roberts. The date is not definite yet, but it will be sometime in January. Anyone interested in attending this school should leave their name in the Stockton or Modesto office, so that we can notify you when the starting date has been established.

Since this is our final report of 1964, your Business Representatives and office staff wish you and your families a very Merry Christmas and a Prosperous New Year.

Pipeline Contract Award Let On Cow Creek Aqueduct Project

By TOM ECK and
JERRY MARTIN

REDDING—Valley Engineers, of Fresno, won a \$3,510,992 contract with the U.S. Bureau of Reclamation for installation of 2.6 miles of 54-inch pipe, .7 mile of 48-inch pipe, 1.2 miles of 42-inch pipe and 3.2 miles of 36-inch pipe for discharge line and main aqueduct of Cow Creek.

In addition, there are 23 miles of distribution laterals. This is the first portion of the Bella Vista section of the Trinity River project. It will be known as Cow Creek Unit.

The company's bid was \$150,000 below the engineer's estimate.

Purtzer and Dutton Co., of Reno, was awarded the Wintu Pump Plant construction contract for \$864,343. This is part of the Cow Creek Unit, and other projects on this portion will be out to bid shortly.

RAINS HIT FREEWAYS

Generally speaking, the rains have hit the freeway jobs, however, other projects are progressing. Freeway jobs hit are: Gordon Ball Enterprises, through Redding; Ferry Brothers, who have several jobs in and around Redding; Norman Fadel's job at Anderson and the Fredrickson-Watson jobs at Red Bluff and Corning. On an encouraging note, these jobs have tried to resume work inbetween storms.

On January 7, bids will be opened on the Clear Creek South unit of the Trinity project. This project includes 8.3 miles of 42-inch to 45-inch steel or concrete pipe.

A total of \$850,000 has been al-

located by the Bureau of Public Roads for improvement of highway 36, from Trinity county line to Peanut.

BIDS ON INTERSTATE

On January 20, bids will be opened for construction of 9.2 miles of interstate 5, from Glenn County line to Corning Road, south of Corning. Engineer's estimate—\$4.65 million!

Ground breaking ceremonies will be held Dec. 15 for a \$1.5 million shopping center on Athens Avenue, between Locust and South Streets.

In other action, Granite Construction won the Buckeye Water District project.

Rains and snow have hit construction hard at the five dams, including McCloud, Iron Canyon, Pits 6 and 7 and Afterbay, and the paving and grading at Cedarville, Alturas, Callahan, Mt. Shasta, Tule Lake, Lookout Road, off highway 139, are all at Winter's mercy. Everything is now on a "weather permitting" standing.

Keeping open the roads for the tunnel crews is a larger chore than driving the tunnels these days.

Walsh's penstock job is "snailing along" on a real tough one; there is a big drop from Portal 1 into the McCloud-Pit powerhouse.

Ets-Hokin is starting on the powerhouses of Pit 6 and 7, which helps keep a few Brothers working.

On behalf of your office staff and business representatives, we wish all our Brother Engineers and families a Merry Christmas and best of holiday seasons.

ENGINEERS NEWS

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Personal Notes

STOCKTON

Brother Walt Talbot underwent a gall bladder operation at Dameron Hospital recently, and is recuperating nicely at home and will be back in the office soon.

UTAH

Our sincere sympathy to the family of Ed "Effie" Fillmore who was killed in an automobile accident.

Good luck to Brother Zeph Thomas who recently had surgery performed on his eye.

A speedy recovery to Brother Elvin Maynard who has undergone surgery at the St. Marks Hospital.

SANTA ROSA

Our blood bank is once again running low, so we would appreciate any of the members giving blood.

Congratulations are in order to Brothers Eric Gillmeister and Ray Mason, both proud fathers of baby boys, and to Frank Silva a proud father of a baby girl.

MARYSVILLE

Brother George Belote is going to enter the Woodland Clinic for some more tests in regards to his recent heart attack. In talking to George this week I wished him the very best of luck from all of us.

Brother Leo Burke is home recuperating from his recent illness. We hope it won't be too long before he will be feeling himself again.

Brother Bud Lockhart stopped by the office and said he was going back into the hospital for another serious back operation. This makes the third time they have operated on his back this year. We all hope this time it will be a successful one.

Best wishes for a speedy recovery to Brother John Johnson. Brother Johnson entered the California Podiatry Hospital in San Francisco on November 10.

Brother James C. Flory and his wife have been confined to the Oroville Medical Arts Hospital for some time. We hope both of them will be released soon.

SAN RAFAEL

Congratulations are in order to Brother Otis (Ozzie) Wilbor and his missus on their 25th wedding anniversary. They celebrated the occasion by flying to New York.

It's good to see Brother Lorn Huddleston up and around again after a siege in the hospital—but doctor's orders are that he is not ready to return to work yet.

Brother R. D. Holtzinger, who recently returned from a job in Alaska for M & K is going to South America for the same outfit.

Best wishes to Brother Pete Thompson, undergoing minor surgery, and will be out of commission for a short time.

Also best wishes for a speedy recovery to Brother Frank Rocha who is at Petaluma General Hospital, and to Brother Jim Harmon at Marin General with 2 broken vertebrae resulting from an automobile accident.

OAKLAND

Brother Sid Voss, employed at Howard Terminal, was injured in an automobile accident and will be laid up for about six weeks. We want to wish him a speedy recovery.

Our heartfelt sympathy goes to the family of Brother Chris Higuera, killed while working at Turner Dam.

Hugh Dockerty celebrated his 75th birthday on November 14th, and we wish him a belated "Happy Birthday."

SAN JOSE

Congratulations to Mr. and Mrs. Armand Herrera on their new baby boy, named Christopher Joseph.

Brother George Azevedo is laid up with a broken foot, and we sent our best wishes for a speedy recovery.

We see that Brother Bill Baertsch and John Hackett have been released from the hospital, and are convalescing at home.

We would like to take this opportunity to wish all the members and their families a VERY MERRY CHRISTMAS AND THE HAPPIEST OF NEW YEARS!

FRESNO

We were deeply subdued to hear that Brother George Cristo's wife passed away recently after an extended illness. Our sympathy is extended to George and his family.

Brother Orville "Buck Shot" Atchley has been in the hospital recently with an illness, and we wish him a speedy recovery.

Brother J. C. Doyal has recovered from a short stay in the hospital, and we are happy to see him back on his feet.

VALLEJO

Congratulations to the following Brothers and their wives on becoming new partners: Earl Coffey and Calvin Robinson, daughters; Lee Lehman and David Horton, sons.

REDDING

Sincere condolences to the families of departed Brothers G. N. (Pete) Murray and Dallas Brown.

The following Brothers have been hospitalized recently: Sid McBroome, "Coke" Eason, Jesse Benneau, Earl Bartlett, Ray Abel, Charles Stone, Jr., Alex T. Rodak and George Reed. We hope to see them all "up and at 'em" for the Holiday Season.

San Mateo Recaps the Year

By BILL RANEY

and

MIKE KRAYNICK

SAN MATEO — Here we are about to close out another year that, as usual, wasn't nearly as gloomy or full of fear as many predicted. We have now behind us a rather peaceful Thanksgiving Day. Its predecessor was probably the most gloomy.

Nearly everyone was saddened by the nightmare of events at Dallas, Texas, only a year ago. Apprehension and fear for the future of our country and our economic welfare was then the general feeling during the holiday season.

Historically, gloom, fear and apprehension beget more of the same, but a strong and healthy people under a uniquely benevolent government of their choice have reversed their apparent apathy and produced a banner year for all.

During this same period, when our contracts had over a year to run, the welfare of the members was increased in many ways.

Your Apprenticeship Program, barely three years old, and, as we look at it, still full of problems, and as yet far from perfect, won the Patterson Award for the most outstanding program in the nation. And the fear that oilers had,

that this would possibly hurt their employment, has had the opposite effect. Attrition alone has not only helped place apprentices faster, but has assured the oiler of nearly full employment. This benefit to both will be even more noticeable in future years.

Another spectacular gain for Engineers has been the great strides made increasing the benefits of your Health and Welfare Plan. Basic benefits were increased, the surgical schedule doubled in many cases, but even better the allowable bank of hours were increased from 700 to 1050 — enough to carry you and your family for as long as 9 months of inactivity.

Your San Mateo Office, as well as others, cleared more men than ever before and your agents saw more mammoth weekly checks earned by the brothers. On some jobs we saw many weekly checks that were above \$500; one was for \$700.

During 1964, your officers, with the aid of you brothers, formed, and have been operating a Credit Union that has already saved your families many thousands of dollars, as well as starting many on a regular savings program. It is gratifying to your agents to see so many families finally starting a financial future, while at the same time getting out of the clutches of revolving charge accounts, finance companies and "friendly loan companies" that so often kept Engineers in near servitude by their usurious interest rates.

During this period, all of us benefitted by being host to the International Convention in San Francisco, during which among other things caused your International Death Benefit to be increased from a maximum of \$500 to \$750. You voted for realistic amending of by-laws to better your union, which you help makeup. Within that by-laws change you also increased the dues making it possible to increase the services that your union can give you.

Your Local Union Pension was increased to \$125 during this same period. With another \$.05 an hour going into your plan starting 1-1-65, this will no doubt precipitate another increase before long. It is most gratifying to see the light in the eyes of the

older members, who helped build your union, when the subject of their pension comes up. None of them, even in their fondest dreams, expected that it could happen in their lifetime.

Yes, even your employees finally got a raise that was granted by your rank and file Executive Board. You will notice now that your Business Representatives are not quite as embarrassed when someone asks to see their check.

We were saddened, however, by the unusual number of old friends who passed on to that great "dirt spread" in the sky. Far too many of them were taken suddenly by accidents. We should always remember them for the fine journeymen they were, the landmarks of engineering they helped build, and the efforts they put into making this the greatest Local Union ever.

1964 also saw over 3,000 new members in the four states who are now earning a decent wage, many for employers who, until organized, were paying wages and giving working condition far below their present contracts. By such endeavors you brothers have helped humanity specifically and in general; even the organized employers often report that happier men produce more goods, make more profit for the company and are even able to buy the products they build. All of this then causes a new and bigger demand for engineers that helps keep the out-of-work list down.

The work picture is still good despite wet ground with many contractors going at nearly full speed. They are still bidding and very few are complaining. Our surveys show a consensus that 1965 will be a great year for the construction industry here and everywhere.

We wish the very best for those brothers we find in the hospital at this writing. Brothers: Frank Ventura, Gordon Russell, Frank Williams, Al Nelson, Bigg Hogg, and Larry Hall.

Blood Bank donors for the month are John Olivio and Earl Knier. We are ever thankful to those brothers who realize the need and give so unselfishly.

We wish you the Merriest of Christmases and a year of good health and relative luxury ahead.

Credit Union Experiencing Rapid Growth

The success of a Credit Union is dependent on the service it gives the members of the parent organization who may have a temporary financial problem, and in encouraging members to utilize the credit union to establish a savings plan.

Another measure of success is the ability to lend out the money at reasonable rates to earn interest for the credit union members.

During the 10 months Operating Engineers Local Union 3 Credit Union has been in business total capital has risen over a quarter-million dollars.

The problem now is the credit union needs more shares purchased so more money is available to Brother Engineers. Reception to the credit union has been unusually good.

With a tight money situation, the Board of Directors at its next meeting may temporarily limit or adjust the maximum amounts of loans. Nearly all the money invested in shares has been loaned and is returning with interest.

The credit union is a "Brotherly help" program to lend money to other Brother Engineers at reasonable rates to return a dividend on the initial investment.

Most loans have been made for automobiles, house and boat trailers and are secured by chattel mortgages.

T. J. Stapleton, credit union secretary, reports the following were elected to the Board of Directors at recent quarterly meetings: Al Perry, San Jose and Merle Isbell, Stockton.

New loan officers appointed are: Mont Parker, Reno and Elo die McPheeters, Stockton.

A NEW YEAR PHILOSOPHY

We may have less to live on, but we have just as much as ever to live for. We may own less, but no man is rich because he owns something. Only those men are truly rich who have become something. Our spendable income may be less, but the happiness that comes from sharing and serving is just as deeply satisfying as it ever was.

We may have need for more courage and more faith, but the loyalty of our associates and kindness of our friends warms the heart more than it ever did.

We may be tempted to be discouraged or tired, but little by little we are learning that a sportsman finds fun in playing of the game, not merely in the winning.

We may be disappointed at times by the results which we accomplish, but we are encouraged by the certainty that now and always, good workmanship brings better results than poor workmanship.

We may become impatient for financial rewards, but we have only to turn our thoughts away from our seeming needs to see the blessings which fill our lives.

We may feel that conditions beyond our control have robbed us of what we thought we had, but we are rich in knowing that nothing can rob us of what we are.

And we are rich in the quietness and assurance which comes to every man in proportion to his sincere effort to measure up to his highest concept of what is good.

Capitol Mall Overpass Pre-Job Held

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

SACRAMENTO—After a brief shutdown, due to inclement weather, the \$2.5 million Elk Grove pipeline project has resumed by A. Teichert and Son. The company also started its pipeline job on Franklin Blvd. and recently purchased a new Parsons trencher for the job. Rains have halted Teichert's Florin Road job, which will provide four lanes on Florin Road, from Freeport Blvd. to Power Inn Rd., excepting a short strip between 24th St. and the railroad. Lentz Construction has a dirt spread going off Power Inn Rd.

Peter L. Ferry and Son was low bidder at \$30,774 on a levee repair job on the Sacramento River below Sherman Island. The company recently completed a similar larger job from Clarksburg to Rio Vista.

Shellmaker's dredge started a three-shift operation in the Channel cleaning out silt which had settled since completion of this project last year. The job will run for about five months.

A pre-job conference was held with Stolte, Inc. on its Capitol Mall overpass job, which will take two years to complete. It consists of excavating through the Mall and erecting an overpass at the present elevation of the Mall. It will be part of the Second and Third St. Freeway, which will underpass the Mall and continue out by the new County Airport.

Fruin-Colnon and Raymond Concrete are both busy on the W-X Street Freeway. Raymond has about 4,000 piling to drive on this job. Fruin-Colnon has two truck cranes getting footings in.

Lentz Construction Company is busy with the dirt work on this job.

Fredrickson & Watson started back on the County Airport job, down a couple of weeks due to the weather.

McGuire and Hester is going full blast on the pipeline job in Davis. This job is about five miles long.

Guy F. Atkinson, Nomellini and Continental-Heller are all busy on their respective building on the Davis Campus. Syar and Harms are coming along on their two bridges also on the Davis Campus.

The State Department of Public Works awarded a \$675,478 contract for the reconstruction of the Madison Avenue Interchange on Interstate 80, the Roseville Freeway, to Gordon H. Ball Enterprises, of Danville, in Contra Costa County.

The project will provide four lanes for Madison Avenue and make way for widening of the freeway northeast of Sacramento.

The Roseville Union High School District Board of Trustees accepted a \$99,000 bid by the Lentz Construction Company of Sacramento for the excavation and site preparation of the district's new high school on Cirby Way.

Lentz was lowest bidder with an offer of 60 cents per yard for

excavation and recompaction of dirt.

The Charles Dorfman Pipeline Company, of Los Angeles, has started work on a \$500,000 sewer project at San Juan, five Engineers are working and this project should keep them busy most of the winter.

The Arden Sand and Gravel Company, of Carmichael, is now running a two-shift operation to keep up with their various contracts. The Brothers who are working for Arden at the present time should be kept busy most of the winter if the weather conditions permit.

The Brothers who are employed by the Fair Oaks Gravel Company have been more busy killing rattle snakes this year than making rock. Their record consists of thirteen snakes for this past season. However, they are still very busy for this time of the year and if the weather permits they should be in full swing through the winter months.

The Pacific Cement and Aggregate Company at Fair Oaks is in full operation at the present time. They have their plant on a two shift operation and the mechanics are working three shifts. The Plant Manager has informed us he will maintain this schedule until their contracts have been fulfilled.

SNOW IN HIGH COUNTRY

We have had the first bad storm of the year. Hardeman moved all equipment out of Jackson Meadows. Faucherie Dam is completed. They are still concreting in the Bowman Tunnel, but one more storm could close the roads until Spring. Dutch Flat Dam is very near completion. However, there is considerable work to be done on six miles of concrete flume from the Drum Power House to be completed. The excavating has been completed on the Chicago Park Forbay, and all that remains here is the Power House and to gunite the Forbay flume.

AMERICAN RIVER

The work has slowed considerably on this project. French Meadows is very nearly completed and if the weather holds they should finish in about ten days. The crews in Hell Hole are working whenever they can. The Middlefork Dam and Oxbow Dam sites have been shut down completely, although Ets Hokin and American Bridge are working on the Power House and Penstock at Middlefork.

The tunnel crews are all working around the clock. They are concreting in both Hell Hole Tunnels, and should finish this in a couple of months. The Long Canyon crews and Brushy Adit crews are boring steadily in both directions. The Heading at Middlefork Outlet and Surge shaft are moving along at a steady pace.

There is considerable work still to be done up in this area and if the weather permits we should have a good many of the Brothers working for sometime to come. Merry Christmas and Happy New Year to you all.

POLLOCK PINES

Kaiser Steel Corporation won the award with a low bid of \$1,116,035 on the Joint Penstock for the Sacramento Municipal Utility District White Rock Powerhouse.

White Rock Powerhouse will be the biggest in SMUD's Upper American River Project. It is scheduled for completion in late

Unsafe Water Heaters Called 'Potential Bomb'

Water heaters which do meet health and safety requirements providing for emergency cut-off or pressure release when the appliance malfunctions, are potential "bombs" which may cause property damage and personal injury according to Ernest B. Webb, Director, California Department of Industrial Relations.

Webb advised householders to be certain that appropriate label as described below is in place on their new or reconditioned water heater.

The Department of Industrial Relations Division of Housing regulations and local regulations require that all water heaters shall bear the label of an approved testing agency certifying that such equipment has been tested and inspected and meets the requirements of applicable standards.

In addition, labels on reconditioned water heaters shall also state that the appliance has been reconditioned and shall give the name and address of the reconditioner. Water heaters which are reconditioned by the manufacturer or their approved agent may be exempt from this requirement.

For information regarding water heaters or the approvals of other types of appliances, contact your local Building Department or the nearest office of the State Division of Housing.

In 1963, 1.5 million youngsters—both high school graduates and dropouts—will enter the labor market; in 1964, 1.9 million; in 1965, 2.2 million.

Reconverted Gold Dredge Turns Out Material for Highway Jobs

RENO—Clements Rock Products, Inc., of Hayward, California, has had its Truckee operation going since 1957. This is a large, fully integrated operation incorporating the pit, crushers, screening, asphalt and ready mix plants into one commercial operation.

The unique feature is the "one of a kind" dredge, originally a gold dredge, and converted for this type of work. This is a "ditcher" type dredge complete with a 13 x 36 jaw crusher and pump. Material is pumped to the primary plant and goes through a series of seven crushers, four jaw crushers, the largest of which is a 30 x 42, and then to three cone crushers.

This year, over 750,000 tons of material will go over the scales. The biggest year was 1959, when well over one million tons were sold. This is a three-shift, six day operation using approximately 140 men; 91 are Operating Engineers.

Brother John Houlgate is the Vice President and General Manager of the Truckee operation. He runs it "by the book," so our union problems are few and far between. The fact that the majority of the brothers have come back year after year bears this out.

Bill Dawson is the plant superintendent, and did the original plant lay-out and dredge conversion. A mighty handy fellow to have around and well-liked by the Brothers. It's hard to beat that combination.

Brother Gene Stone is the equipment foreman on the day shift, and Bob Sutton handles the night shift.

The repair work, which on this type of operation is over half the job, is capably handled by our mechanics and welders. "Tink" Williams is the day master mechanic; Harry Owen has the second shift, and Joe Giroux runs the graveyard crew. These Brothers are top hands in the repair field and they really keep the wheel moving. The fact that they have cracker-jack welders and mechanics on all three shifts is the secret.

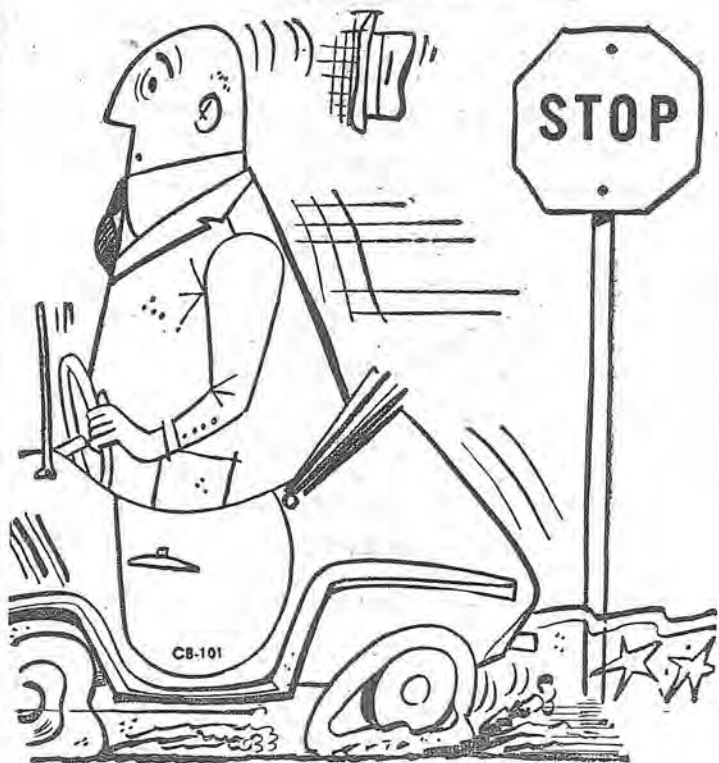
The work season at the plant is from six to seven months. When the snow hits this area, there is nothing to do but lock up and go home. The plant has supplied the bulk of the cement-treated base, asphalt and concrete that has gone into Interstate 80, State Highway 89 and the lesser highways in that area for several years. The present dredging area is being supplemented by a model 88, and several Euc's, which haul pit run to the dredge. This will possibly be the last year for the dredge as the installation of a booster pump and additional pipe would not be economically feasible. This will put dredge operators Ted Knoff and Yasi "Terry" Teramoto back on the "beach."

Many thanks to Brother Houlgate for his cooperation in getting information and pictures for this article.

(See picture, page 9)

Cochran & Celli

Recap for Economy



DON'T TAKE CHANCES WITH SMOOTH TIRES!

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Oakland

Marysville Report

Yuba Foothill Project Complete

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

MARYSVILLE — During the past month the Marysville District has witnessed one of the "wettest Autumns" in many years. Old man winter has dropped heavy snow in the hills, and almost continuous rain in the valley. We had all hoped some of the new jobs would start, but now it is very doubtful. Most contractors are dubious of starting jobs with the unpredictable weather. At the present time the out-of-work list has grown to a total of 576 A and B operators and oilers.

We would like to take this opportunity again to say "thanks" to all the technical engineers who attended the special meeting in Marysville during the month. "This was a very constructive meeting and let's have them more often," was the comment by many who attended. Several Brothers were standing, due to the large crowd that attended.

YUBA FOOTHILL PROJECT

Bay Area Mechanical Contractors, of Florin, completed their \$188,796.50 contract for the Yuba County Water District canal to deliver water to the Dobbins-Oregon House area in the Yuba County foothills.

The 8¼ mile canal will deliver about 3,000 feet of untreated irrigation water starting next year. This is part of the first construction project in the 12-year history of the Yuba County Water District. The canal system will transport the district's share of water from the South Fork Project on the Feather River to homes and farms in the area.

The work involves two inverted siphon systems to get the water across two deep canyons. The company uses a high line system to move the pipe into place on the steep walls of the canyon. One end of the line is fixed to the left wall of the canyon above the siphon outlet. The other is on a truck-mounted winch system above the siphon inlet.

The winch lets the cable sag to near the floor of the canyon where workmen attach a length

of pipe to a carriage. After the pipe length and its fittings are attached to the carriage, the high line cable is tightened to bring the pipe to the level in the center of the canyon opposite where it is needed on the job at the canyon wall. Haul lines are used to move the carriage and its cargo along the big cable.

The siphon will be 550 feet long. The inlet is at 1970 feet, 104 feet above the creek bed. The outlet is 94 feet above the creek bed. Another siphon at Prince Albert Creek, is 800 feet long through a 105 foot deep canyon. Now that work has been completed, the spring water will flow for the first time in a Yuba County Water District project.

The 188 square mile foothill district covers about a third of Yuba County. Many of our brothers showed the great skills they possess while working on this project.

STATE PROJECT

Work on the vast state water project remained on schedule during the past fiscal year, according to a report from William E. Warne, director of water resources.

The state spent \$90,000,000 on the project during 1963-64. It is estimated that expenses for 1964-65 will be \$144,000,000.

Oro Dam Constructors have placed 15 million cubic yards of fill material on the completed portion of the dam on the top and upstream side of the core block.

The 1965 production year calls for a total of 22½ million cubic yards of fill in the river bed on the downstream side of the core block. Work programmed for 1966 and 1967 calls for the joining and final peaking at the 922-foot level of the two sections of the dam base. It will take a total of 78 million cubic feet of fill to complete the massive structure, highest earth-filled dam in the world.

POWER PLANT BID

A low bid of \$327,904 was submitted to the state for construction of the Thermalito power plant, four miles west of Oroville. It was submitted by Guy

F. Atkinson Co., South San Francisco, according to the Department of Water Resources. We have had no pre-job, but have requested one from the company and are waiting for a reply. We hope this job will get started in the very immediate future to help reduce the fast-growing out-of-work list.

Berkeley Steel Construction Co., of Berkeley, was low bidder, at \$751,400, for furnishing radial gates and hoists for the Thermalito Diversion Dam of the State Water Project. The job calls for furnishing and delivering 14 40 foot wide by 23 foot high and three 26.67 foot wide by 25.8 foot high radial gates. The contract will also include furnishing 17 gate hoists.

The radial gates will be installed later under a separate contract at the crest of the spillway to control the flow of water over the Thermalito Diversion Dam located about one mile north of Oroville.

CHICO HIGHWAY JOB

During the month we held a pre-job with the Graf-Vickrey-Dubach-Wunchel and Small, who was low bidder for the construction of 4.4 miles of four lane freeway on U.S. 88 between Chico and Mud Creek. The bid was \$3,814,978, and the company plans to get started in the very near future, providing weather permits.

The project calls for new freeway between Palmeeto Avenue in Chico to a point just north of Mud Creek with interchanges at East First Avenue, Cohasset Road, East Avenue and Eaton Road. They will use a total of 15 to 20 Engineers, and will complete the job approximately November, 1965.

OLIVEHURST JOB

Olivehurst Public Utility District directors corrected an error in a bid on the pipeline phase of its water project and awarded the contract to Lentz Construction Co. of Sacramento. Although Lentz was the second low bidder initially, with \$232,121.04, the contract was given to them due to the fact the lowest bidder did not include the 13 deductible alternates, which would boost the low base bid to \$291,890, one of the higher bids on the pipeline project.

Two alternates were included in the contract. They were: a 10-inch water main on Baugh Street, from Fleming Way to Powerline Road, and a 10-inch water main on Powerline Road, from Baugh Street to 17th Street. The district received \$183,000 under the Accelerated Public Works Act, although it requested \$194,000 for the overall water system improvement project.

The district sold \$200,000 in revenue bonds for the district's share of the project funds. It is hoped that this project will start rolling in the very near future.

HIGHWAY 99 PROJECT

A. Teichert & Son, Inc., of Yuba City, lowest bid to construct left-turn lanes on Highway 99, at Paseo Avenue, about one mile south of Live Oak in Sutter County, according to the state highway officials at the Marysville district office. When work gets under way in about a month, traffic will be directed through the short construction zone with a minimum of inconvenience. The Brothers should complete this job in a very short time.



HIGH WIRE ACT . . . this 40-foot section of pipe, weighing 3000 pounds, sails through the air from Indiana Creeks to canyon rim during construction of Dobbins-Oregon House Canal. Pipe rides aboard carriage on highline system, a wire rope attached to one side of canyon and a winch on the other side.

OLIVE HIGHWAY JOB

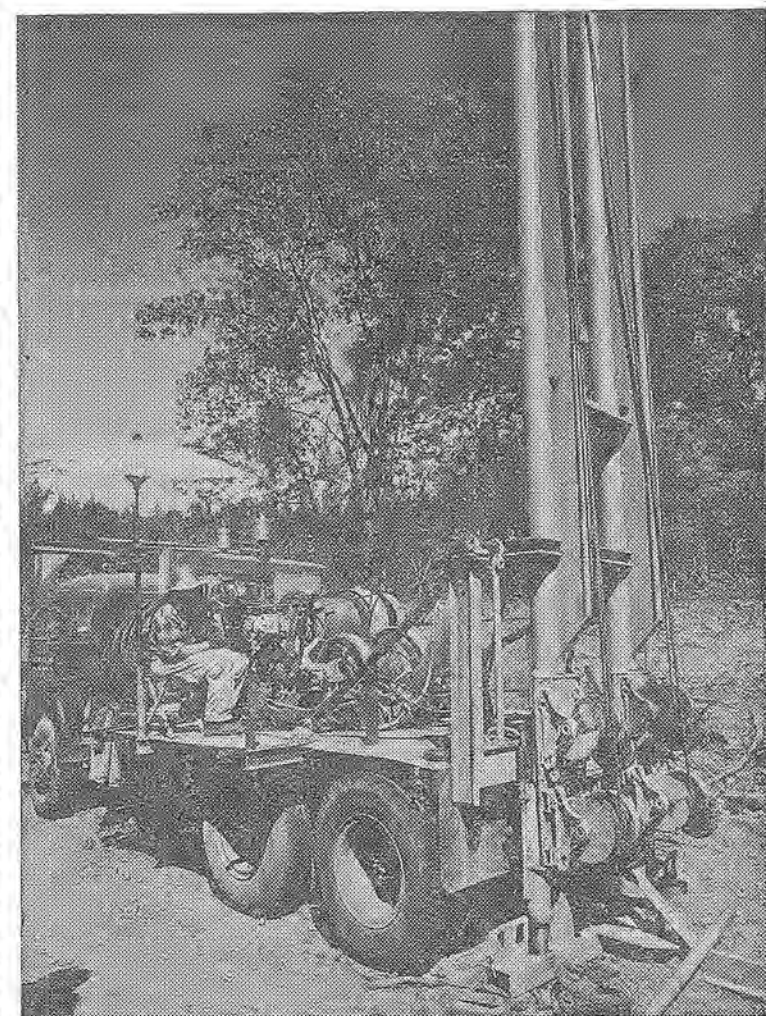
An often discussed proposal to relocate a hazardous section of Olive Highway in Oroville took a strong step forward today when the Butte County Board of Supervisors opened bids on the projects for the second time.

Frank P. Donovan Construction Co., Santa Maria, was the low bidder with \$174,194. Ten others bid on the project. Bids were asked by the county board in October after it had earlier rejected the first set of bids received on the projects.

The project calls for 1.2 miles

of construction from a point on the new Oroville-Quincy Road, being constructed by the State, about one mile from Miner's Ranch. The project will eliminate horseshoe curve section east and south of Miner's Ranch. Plans are to start the job in the very near future, weather permitting.

All of us in the Marysville District Office would like to wish all the Brothers and their families a very Merry Christmas and a Happy New Year, the best they ever had! It has been a real pleasure working for you this past year, and we are looking forward to a bigger 1965.



WINCH . . . Brother Cecil Atkins is operator of winch on the Yuba Foothill project for Don-D-Co. Work is part of \$200,000 Yuba Water District project to distribute water from South Fork on Feather River.

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City of Roses

Santa Rosa Outlook Bright in 1965

By RUSS SWANSON and
LOU BARNES

SANTA ROSA—A year ago at this time the outlook for the year was poor, however, we believe 1965 holds in store jobs in this area. We say this because it is refreshing to be optimistic about 1965.

As an example, there are two projects in the offing, both in our district, and each represents a cool \$2.5 million. There is the Gordon Ball highway job, which, when finished, will complete the Ukiah By-Pass.

The second is the Earl Parker project, including a bridge and approaches at Casper, south of Ft. Bragg. And, the Hughes and Ladd section of road construction on the Ukiah-Boonville highway, will add employment for our Engineers.

There are other jobs on the drawing boards, too. There is the \$13 million highway construction near Cummings. Rights-of-way acquisition have been going on. However, it may be some time before this project starts.

On the coast, we are still awaiting the go-ahead on the Noyo Breakwater. This is a Federal project and involves \$13 million. Noyo appears to be an excellent choice for a harbor to berth lumber and paper pulp ships running up and down the Coast.

WARM SPRINGS DAM

Further south, still no word as to actual start of construction of the \$42 million Warm Springs Dam, but presently Boyles Brothers is doing some core drilling. We are patiently awaiting word from the Federal Government as to actual commencement of construction. Still farther south, we don't know what to say about the P. G. & E. Plant at Bodega Head. To this date, Local No. 3 Brothers have had a lot of work in site and access roads, but the anticipated jobs which would have been available in construction of the plant are lost, at least that's what P. G. & E. in essence say when they decided not to build the "Atomic" Power Plant. Maybe they will build a conventional plant, who knows?

NEW WORK

Bidding has been very active in the area in the past month on various types of construction. Wise and McGinty were low bidders on another Section of Unit No. 1, St. Francis Acres Subdivision in the amount of \$126,337.

Argonaut Constructors have been awarded a contract in the amount of \$163,620 for improvements on Creekside Park Subdivision.

Arthur B. Siri was low bidder on street improvements on McBride Lane. This will consist of grading and paving sewer and storm drains. Amount of bid \$109,402.

The City of Sebastopol awarded a contract to Kirkwood Bly, Inc. for improvements to the Green Valley Vista Subdivision for installation of water mains, storm drains, paving and sidewalks for \$191,498. This Company has been very active this year and they have just completed Unit No. 2 on the Temalac Subdivision at Sonoma.

It looks like Chandler Construction Company is down for the winter (we hope not) on their million dollar Channel job on Santa Rosa Creek.

OAKMONT BUILDS

The Project Manager of Oakmont Builders has told us that Unit No. 2 of this Subdivision will be awarded in February; the cost of improvements will be approximately one million dollars. They have just completed another nine-holes on the golf course. Plans call for another 500 homes on both sides of the course just completed. This is a leisure type village Subdivision.

Fredrickson Bros. was low bidder on a portion of County secondary roads in the County at \$359,000. Archie Edmonds, Project Manager for this firm says it hasn't been awarded as yet, but he is confident it will be in the near future.

Brothers, all of these jobs will be going come Spring. The future looks fairly good and there is, as far as we now know, several more projects throughout the three counties to go sometime in 1965.

To mention a few: Lake County, contemplating spending around \$700,000 for a sewerage system in Clear Lake Oaks; the Expressway between Lakeport and Kelseyville, in Lake County, is to be let in 1965. The City of Lakeport and County of Lake are planning, in the near future, to expand their sewer system by something like four or five thousand feet.

Upper Lake will be awarding a sizeable contract for a water

system. They have approximately \$200,000 to spend. Lake County has the same sewage disposal problem as Lake Tahoe. They have nothing but septic tanks and leach lines, so suddenly this is a serious problem. The Lake is contaminated with algae, and resort business has dropped 50 per cent in the past two years. This has brought considerable pressure to bear on the local factions and County Supervisors.

We, of this office, have put our "two cents worth" in wherever possible on the sewer problem, and getting the Eel River Water Conservation District to bring this water through the mountains into Clear Lake. This would solve some of the water pollution trouble, and furnish a lot of work for the Operating Engineers, which is our prime interest.

DEPARTMENT OF
EMPLOYMENT

During the heavy weather, is the time that the services of the Department of Employment are used to some extent. We, in this area have the best of relationship with the personnel of the various offices, and feel that this reflects upon those of you who are out-of-work and must "draw."

We have talked to a lot of engineers signing up who have a reluctance to even sign up when they are out-of-work. There is much fallacy in this because this is just another form of insurance,

and when you are unemployed, you are entitled to this benefit.

If, by some chance, you run into difficulty at one of the employment offices don't argue with them, let us know, and we will attempt to come up with the right answer. Don't forget that some of the employers in the area have a condition which is known as a "partial," which means that those employees who work fairly permanently for a company and the first rains of the season come, and where an employee expects to go to work every day but misses an entire week or possibly works only one day that week; then on the following week, the employer can sign a certain form, and the Department of Employment will back-date the claim and pay off for the week which was missed.

This form must be turned in within 28 days, and the employer must have an agreement with the Department of Employment to sign this card. So far this year this has been used a number of times in our area, and it appears to have worked well. If you read the book which the Department of Employment gives out, you will understand this a lot better.

The Santa Rosa office wishes to express "thanks" for the cooperation received the past year, and to wish everyone a Happy Holiday Season.

Marina Project
Taking Shape;
Crushers Busy

By AARON SMITH

VALLEJO—The Marina Vista project is beginning to take shape here and looms as the "big project" for 1965, however, recent rains have placed a damper on most projects elsewhere.

Pomeroy Co. has moved in to start driving piles to form the sea wall on the Napa River, at the site of the Marina project. Olympic Dredge Co., meanwhile, has a dredge working pumping out the muck and preparing the site for import material. Parish Brothers has made a king-sized dent in the earth moving on the Marina job.

Elsewhere, Bay Boring Co. is laying a pipe under North Texas Street in Fairfield; Industrial Asphalt is setting up a paving plant; Rush Construction has lost little time in setting up its rock crushing plant. The latter, along with M & K Co. and Westbrook is crushing for the Darkenwald job on the Benecia-Cordelia freeway.

In sub-division projects, Kuckenberg Construction moved back on its South Hampton job at Benecia. The Brothers are laying sewer mains and laterals. Lyles Co. is also laying pipe on this job.

From the Vallejo office we wish all our Brother Engineers and their families a Merry Christmas and Happy and Prosperous New Year.

Nevada Report

Silver State Glimmers Under Snow

By NORRIS CASEY, BU BARKS, GAIL BISHOP
and JACK BULLARD

RENO — Snows and sub-zero weather has hit the Great Silver State and many construction projects are preparing to hibernate for the winter.

Despite crisp, freezing weather, there are still many jobs rushing along. Contractors have been helpful in providing weather shelters and turning on winter heating fans to protect the Brothers from freezing.

In between storms, the Matich, Wells, Maxwell project at Lawton is laying-in underground work and manages to do some curb and gutter work.

Purtzer and Dutton have now completed the forty-eight inch trunk line to the new sewage plant and Nomellini Construction of Stockton are ready to go with the new plant, a nice five million dollar job for the Reno area.

The new parking lot at First and Center Streets is finished except for the final touches. This will help solve parking problems for Renoites and visitors alike.

Robert L. Helms is starting another feeder line to the new sewage plant, a \$250,000.00 job. A few Engineers will be busy on this for quite some time.

Isbell Construction is working on street widening projects and this will keep a few Engineers busy through the winter months. Isbell is also working on the Silver Springs-Wabuska job and this will allow another fifty men to stay busy.

Cabildo Corporation is running the main gas line from Silver Springs to Yerington. This line

will service industry and private homes in Mason Valley.

Silver State Construction has completed the guard rails and signs on the Wadsworth section of Interstate Highway 80. This stretch of road is now open for traffic from Wadsworth and Fernley.

Industrial Construction does not plan to start the Brady job until spring unless the weather makes it impossible to complete the work in Eastern Nevada.

NORTHEASTERN NEVADA

In the Northeast Nevada recorded temperatures of nine degrees below zero the 17th and 18th of November in Elko. The grade work on US 80 has slowed as a result of the weather.

Wells-Cargo has one big cut near the railroad overpass at Dunphy that will last through November for several scrapers, push cats and compactors.

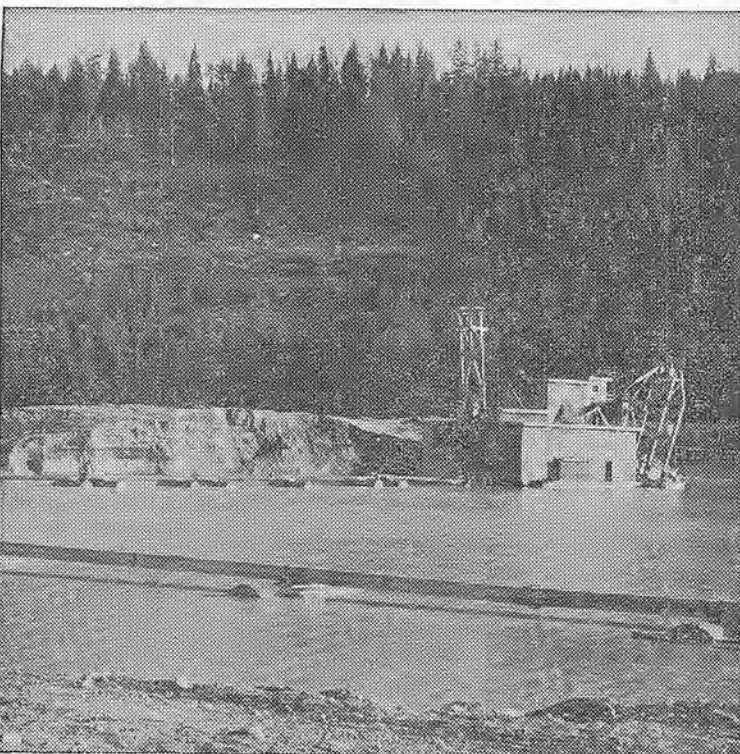
The proudest grin from Winnemucca to Wendover is on the face of Brother Jim Walsh, owner-operator of the new 180 shovel

working round the clock on the rock cuts for Nevada Rock and Sand on the stretch of US 80 just East of the Wells-Cargo Dunphy job.

As we mentioned before, Industrial Construction is subbing the excavation and embankment on this project. We neglected to mention last issue that Maurice V. "Sonny" Cole was set up from blade to foreman with Industrial, and is handling a spread on the same job.

Isbell has Newmont Mine at Carlin. A two-shift stripping operation, at Newmont Mine plus the settling dam being subbed from Bechtel, down below the gold mill Bechtel is building for Newmont. Isbell brought in a big 120 shovel which will be set up and in operation as this is printed. With so many operations, it's not surprising to find four Stewards there. Ernie Wilson and Willie Glennon are stewards on the stripping operation, with Jugger Stevens and Floyd Guinard covering the settling dam. Floyd hit the "A" list after finishing up at the M-K crusher at Palisades for the railroad. His boy, Jim, works several hundred feet above him at the gold mill, on Bechtel's payroll. Byron Mason is steward for Bechtel while running a crane and hanging steel for the red iron boys.

Now that the holidays are upon us, and this is the last issue of the "Engineers News" for 1964, the Reno office staff, including all agents, Mont Parker and Jean Ladiges, wish everyone a Merry Christmas and Happy and Prosperous New Year.



SECOND LIFE . . . this converted gold dredge handled over 750,000 tons of material this year for Clements Rock Truckee Operation.

Salt Lake Invaded by 'Freeway Age'

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

SALT LAKE — Temperatures have dropped considerably here in Utah with the northern part of the state hit by high winds, which have caused thousands of dollars worth of damage. Snow has piled up in the higher elevations. However, there is a minimum of snow in Salt Lake Valley.

Last week marked the entrance of Salt Lake City into the "Freeway Age" with the dedication of 6.7 miles of Interstate 15, from 6th South northerly to 24th North. Thirteen contractors were represented. This was a costly section estimated at \$27,654,900. Had this amount been spent in a rural area it would have covered the expense of 43 miles of freeway. Many of our Brothers have helped to complete this project.

Building jobs in north Salt Lake continue despite snowfall and cold weather, which closed down the dirt jobs.

The University Club Building, at South Temple and State Street, is nearing completion. They have three stories to go on the 24-story structure. This building was started last August and should be complete by June. Southern Builders Inc. is the contractor with Fred Ball, superintendent. It is a well-organized and smooth-running job with Bill Barnes as steward and Dave Brown as safety committeeman. These Brothers are operating two Swedish cranes located at each end of the building. Superintendent Ball credits much of the success of this job to these Brothers. Brother Ray Anderson is relief operator.

BUILDING CONSTRUCTION

The Kennecott Building, under construction at South Temple and Main Street, will be completed at approximately the same time as the University Club Building. Although it was started five months earlier, the different types of construction of each building has been the reason for the difference in completion date. The Kennecott Building is structural steel while the University

Club is reinforced concrete and no piling. Brother Aubrey McCarrell is operating the hoist on the Kennecott Building, but will transfer to the elevator as soon as it is complete.

The Church Parking Ramp has been completed by Jacobsen Construction Co. It is located on Main Street, just north of Hotel Utah. The Church Office Building will be erected atop this ramp. No definite word has been received regarding this bid letting.

The North Salt Lake Sewage Treatment plant is moving along with a reduced crew of operators since the big storm. This company released a truck crane they had rented from Jarman Steel Company, but will continue to use

Special Meetings

Special meetings will be held Dec. 16, at 7 p.m. to act on Local 3's option to allocate five cents an hour increase, effective Jan. 1, as provided in the Utah AGC agreement, to one or more trust funds.

Meetings are scheduled at the union halls in Provo and Ogden and at 443 S. Sixth East in Salt Lake.

their own cranes through the Winter. This has been a good job, close to home, for many of the Brothers.

Arrow Sand & Gravel Company, who furnish the filter rock for the digesters, has been recently acquired by Savage Brothers. The transfer is due to the death of Jack Dayton, who owned Arrow Sand & Gravel. We hope to sign an agreement with the new owner covering this work.

EAST CANYON DAM

Work continues at East Canyon Dam despite the weather. Sundwall & Company finished the excavation on the keyways. They drilled and shot the rock into the bottom of the canyon. The concrete pour will start after the clean up.

The photograph (No. 1) shows the existing Dam with the guard

rail. This rail was removed and a trestle built over the 5-foot wide top of the Dam as you will note in the Photograph 2. The L. D. Schilling Company hopes to pour concrete with a 45-ton truck crane from the trestle. They intend to work through the Winter and have enough of the new dam completed to catch the Spring run-off.

Morrison-Knudsen Company, at Echo, has been shut down by the heavy snows, but will resume work on a one-shift basis as weather permits.

Work from 9th South to Point of the Mountain has been stopped by freezing rain and snow. This year again, some of the contractors were unprepared and it will take time to get them in readiness for the Winter ahead. This is keeping some of the Brothers on the payroll.

NEW CRUSHING PLANT

The biggest news in this area is the letting of jobs on the Kennecott properties. At this writing, Western Knapp was awarded a \$15 million-plus contract for a crushing plant in Magna. Weather permitting, there are several million yards to move this Winter. Bechtel Corporation was awarded a \$5 million contract for pipeline and relocation work in the new precipitation plant in Copperton. Kaiser Engineering has an \$18 million-plus contract for removal of old furnaces and erection of new ones at the Smelter in Garfield. Gibbons & Reed has one road job in Highland Boy and a dam and re-route rail job in Bingham Canyon. We hope some of this work will be able to go during the Winter.

Sewer work has slowed down after a slow season. With the new contracts which are to be let for the coming year, this work should improve a great deal.

At the Kennecott Mine, in Bingham Canyon, they are in the process of increasing the size of the shovel, trackshifter and dozer departments. There is a total of 40 oiler bids to be filled. The Union and the Company have had a number of meetings on the training program and at this writing most of the problems have been solved.

NORTHERN AREA

Almost all of the \$14 million of highway construction came to a halt in the northern part of the state. This includes the Causey Dam, being built by R. A. Heintz; Lost Creek Dam, being built by Steenberg Construction; Wheelwright's canal job, and Strong Company, on the Willard canal. These companies hope to get an early start in the Spring.

Morrison-Knudsen Company's job at Echo Junction has been only working one shift on the Interstate Highway. J. B. Parsons, on the interstate project from Ogden through Clearfield, has been able to work, and hope to keep going most of the Winter.

Tiago Construction Company, of Salt Lake City, was the apparent low bidder on 1½ miles extension of the Uintah Bench Lateral unit of the Weber Basin Project. It will be located just south of Washington Terrace. The line will be of varying size up to 21 inches.

Fife Construction Company, of Brigham City, was low bidder at \$792,005 on Interstate Highway 80 N and U.S. 89 Interchange at the mouth of Weber Canyon. Peter Kiewit Construction Com-

pany was low bidder on the Interchange at Echo Junction, at \$331,164.14.

After seven years of hard work in the either dusty or muddy Willard Bay, water began to flow into Willard Reservoir. The inflow of 350 acre feet of water daily will be for irrigation and recreational facilities. There also will be picnic areas, areas for boating, including loading ramps and a wild fowl refuge to be built near by.

DIKE PROJECT

The huge dike is 450 feet wide at the base and 26 feet wide at the crest. It will be 34 feet high and 14 miles long. The lake will have a surface area of 10,000 acres, and will impound 215,000 acre feet of water — 70 billion gallons. The first work has preliminary fill, done by J. B. Parsons Company of Smithfield. Hasler & Smith Company of Los Angeles built the first dike to a height of six feet. The George M. Brewster Company of Bogata, New Jersey raised the level to 21 feet on a \$1 million contract.

Final stages of the dike-raising to 34 feet is the job of the W. W. Clyde Company of Springville, Utah. The W. W. Clyde Company blasted rock off the cliffs in the Willard Canyon placing 570,000 tons of rip-rap along the face of the 14 mile dike.

Willard Reservoir is just one part of the Weber Basin Project. There are three dams in the mountains under construction — Causey Dam on the south fork of the Ogden River, East Canyon Dam in Morgan County and Lost Creek Dam near Devil's Slide on the Weber River water shed.

The Pine View Reservoir was boosted to a 110,145 acre foot capacity; Wanship Reservoir on the Weber River was built to 62,000 acre feet of water. Still to be built is the Larrabee Dam near Oakdale on the upper Weber River. The project has completed many canals, laterals, pumping plants and power plants. When completed the Weber Basin Project will practically hold every drop of Spring run-off of the Wasatch front and the water will be used efficiently.

EASTERN UTAH

The recent early storms have slowed some of the work scheduled to go this Winter; however, if the weather is not too severe, Southeastern Utah should have a fair amount of work for our members in that area this Winter.

Lowdermilk Company has been shut down at Indian Canyon before the completion of the grade on account of weather. Two or

SPECIAL NOTICE

Brothers working in the rock, sand and gravel industry in the Salt Lake City area are advised that there will be meetings in this industry every 4th Tuesday at 1969 South Main Street, Salt Lake City. We would like to have as many of you Brothers as possible to these meetings.

three more weeks would have completed the grade and the operators would have lost very little time being transferred from the Indian Canyon job to the new Price Canyon job. Before the old highway can be closed to traffic, the detour road has to be gravelled and sealed over the new bridge on the lower end at Castle Gate. Therefore the major part of work cannot begin until the old highway is closed.

S. S. Mullen, Inc. was recent low bidder on seven miles of road from White Canyon to the Colorado River on Highway 95. The Company plans to move their crew from the Joe's Valley Dam to this new job during the winter months and to nearly complete it in time to move the crew back to the dam by Spring.

Strong Company is progressing on their Interstate 70 work in Emery County. They are toying with the idea of two shifting the dirt spreads during the cold weather.

W. W. Clyde will be moving back to resume work near Hite where the sub-contractor, Steel Erection & Rigging Company has nearly completed the bridge over the Dirty Devil River and are about to start on the second bridge over the Colorado.

R. A. Heintz still has two shifts on part of their Cleveland Canal & Pipeline project and will continue depending on the weather.

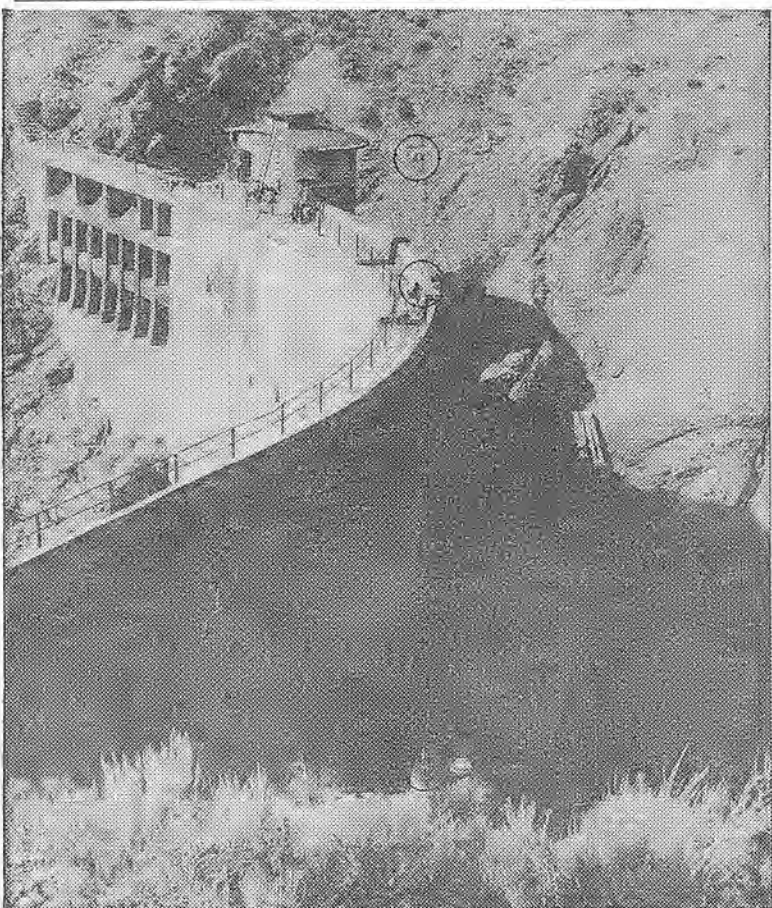
Another earth-fill dam will be let before this issue comes to you near Cleveland, Utah, but it is doubtful whether or not it will get underway before Spring.

SOUTHERN UTAH

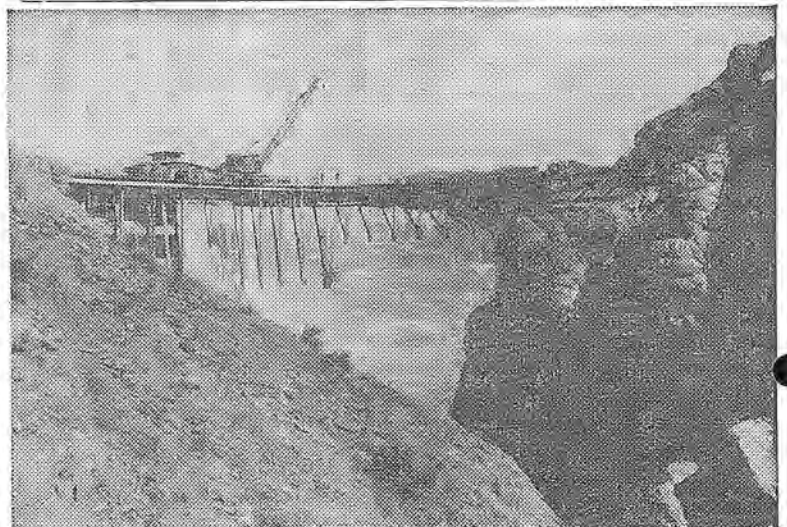
The southern part of Utah with all its color and majestic splendor now lays covered by a blanket of white snow. They have had more moisture in this area for this time of year than ever before. This has put a stop to most of the work in the area.

SEASON'S GREETINGS

This is the time of year we pause to think of the pleasant associations we have had with our fellow men during the past year. With all sincerity, we the business representatives and the office personnel wish to extend to you and yours a very merry Christmas and a Year full of health, happiness and prosperity.



COLLIMATION . . . reading setup for present concrete dam. Jig transit is in foreground on left abutment. Adjustable target is on dam. Fixed target is on far side right abutment.



EAST CANYON . . . dam and trestle. All crossbeams and struts are installed on trestle. Portion of decking, guardrails is all needed to complete trestle.

Apprentice Program Depends on Journeymen For Good Leadership

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

In this business, Winter is the time to learn more about the Apprenticeship program, so vital to our industry's future growth. Meetings are scheduled for this purpose and any Business Representative or your Coordinator will be happy to give you the time and place for this educational meeting.

The Journeyman has a large share of responsibility for the training of young men coming into the industry under the Apprenticeship program. The trade depends on the Journeyman to teach and impart the skills he has learned to the apprentice, so that one day, he too, may become a Journeyman with pride. This was how the apprentice program began hundreds of years ago.

In practice, apprentice training is divided into two parts: instruction in technical subjects at school and, secondly, on-the-job training provided by the employers.

FIVE-POINT PLAN

The Journeyman's role can be broken down into five categories:

1. Prepare yourself before you attempt to teach the Apprentice: Think the job through so you know exactly what you want him to learn. Divide the work, don't try to teach him too much at one time. Plan jobs according to his skill and ability, and which will be new. Be fair, friendly and understanding. The apprentice will appreciate your help.
2. Get the Apprentice Ready to Learn: Find out what he already knows and explain what is to be done and its importance. Emphasize good safety habits.
3. Show him how! Teach him only the things he is able to learn at one time. Demonstrate and explain how to do the job. Be clear and complete with instructions. Encourage questions; answer them clearly.
4. Let the Apprentice do the Job: check for errors, correct them immediately. Be careful not to over-supervise. Keep your eye on his safety practices. Put him on his own when you know he knows how.
5. Check back occasionally: Did he follow your instructions? Has he worked in a safe manner? Did he plan his work? Did he use the right tools properly? Does the completed job meet trade standards? Have him repeat the job when necessary to develop speed and quality. Praise him first if his job is well done, and criticize only when necessary.

PROGRAM PROGRESSING

The apprenticeship program is moving along very well at this time. Looking back, we can see a great deal of improvement in the program since its inception. We are continually seeking ways to improve the curricula by developing visual aids for in the classroom study and by arranging to have advanced courses available to the students as they become eligible.

We are happy to have won the Patterson Award, but we know that only sustained effort on our part will enable us to have available to the construction industry a work force capable of meeting the needs of the future.

In is interesting to note that many contractors, using apprentices for the first time, are

pleased with the orderly arrangement for advancement, as laid out in the Apprenticeship Standards. These contractors are making inquiries as to how they can help an oiler who has been employed by them for some time, get into the apprenticeship program. The Coordinators in the various areas are answering the requests as they come in and are happy to assist any of those who can meet the requirements of the Apprenticeship Standards.

SACRAMENTO AREA

Sacramento is holding its own in the number of apprentices working. Most of the Mountain Road Jobs are down due to the big snow. A.R.C. jobs are still able to work and they are employing a number of apprentices on the projects. All the shops and materials yards are still using a number of our apprentices. A. Teichert has apprentices on most jobs; also, Brighton Sand & Gravel, Lentz Construction, Arden Sand & Gravel, Madison Sand and Gravel.

In Stockton we will have a number of apprentices working. McNamara at Tracy still has one apprentice working. P.C.A. and A. Teichert Plants at Tracy are using several apprentices. Claude C. Woods Shop and Road Jobs on Highway 88 are also using a number of apprentices. S. M. McGaw shop in Stockton is going strong plus a lot of street work and subdivision work which keeps a great number of our boys working. Western Contractors on the Canal are getting off to a good start. We hope to be able to get a number of apprentices working on their jobs soon. Also at O.K. Mitty Dam Job at Jackson. P.A.C. at Lemon Cover have three of our apprentices working. Also, Huntington Brothers Rock Plant at Reef City. Sequoia Rock at Porterville have one apprentice working in their plant. Instructor Eldon Armstrong, at Fresno City College, deserves a plaudit for a very good job teaching 45 apprentices until we can get another instructor.

THE HILL COUNTRY

In the northern area apprentices making good on the job are:

Marysville area has Ray Orman, for Kiewit at Orland; Ron Chamberlain, for Butte Creed, at Chico; Jim Knifong, for Diablo at Cromberg. On the Oroville Dam are Dan Houghton, day; Vernon Ross, swing; and Kent Skata on graveyard.

In the Redding areas are the following: Dick Oney, for Young and Son at Adin; Gary Kimmel, for Ferry Bros. and Ted Hunter for Gordon Ball, in Redding; Jim Thomas, for Norman I. Fadel at Anderson Sand and Gravel at Cedarville; Carl Powell, for Peterson and Brewen at Iron Canyon Dam; Ron Criss, swing; Jim Dennison, graveyard; Connie Norred and Charles Falvey, days, on McCloud Dam for Peter Kiewit.

Jim Monson is working for S.K.M.M. at Portal 1 and Ronald Meyers and James Morevec are off and on for spot jobs.

On the coast, Orby Beck, for Moseman at Blue Lake; James Fraser, for Wunderlich at Klamath; Archie Ray, for Hoffman at Samoa; Jim Shaw, for Casey and Lind at Orleans; Otis Lawrence, for Mercer Fraser; Bill Shoemaker, for Jess Harrison at Alder Point; Don Culbert, for Casey Drill; Bill Conn, for Barnhill; Jerry Nye, for Fosters Drayage; Tom Anderson, for Mercer Fraser, and Dick Fulton for Granite at McKinleyville.

These men are all good salesmen for your Local Union and we hope they will ask you, the Journeymen, all kinds of questions. It's a Union program by Union people and for Union men so let's do it the Union way —TOGETHER.

We would also like to send the Best of Seasons Greetings from our entire Committee.

Central Valley Pipeline Grows

By A. J. HOPE, G. L. MOORE, JAMES HALL and HARLEY DAVIDSON

SAN JOSE—With the advent of winter weather, construction still continues on one of this area's major projects, the cross-valley Central Pipeline. This project has a completion date of April, 1965, and will bring a supply of water from the Sacramento and San Joaquin rivers. Only 35 per cent of the construction is finished at this point according to the Santa Clara County Flood Control District.

South, around Hollister, Manuel Smith is still hard at it trying to keep his underground job on schedule. The recent rains are working against him. Pipelines, Inc. finished grouting and moved their crews to Sonora Area, and Renz is busy with new street work around Hollister.

In the Gilroy area Howson's Inc. & Sam Spencer are busy with their sub-division work.

Moving on to Morgan Hill we find Bilardi Construction has about finished their sewer and water job, and in Coyote the old Atlas Sand and Gravel was taken over by Kaiser and working a sizeable crew.

Leo F. Piazza Paving Co. & Lew Jones have been awarded the contracts on a two and one-half mile road job. Construction training firemen. Lowest of the seven bidders at this time is the S & D Construction Co. of San Jose.

The southern portion of District No. 9 reports that weather has played havoc with our construction work. This of course is to be expected for this time of year. However, it never fails to cast a damper on the Holiday season.

Granite Construction Co. had a good start on their road job at the site of the University prior to the rains.

Our Quarry and Sand Plants seem to be undaunted by the rains and manage to keep a number of our men employed. should start in the very near future.

Bid has been let to R. J. Zipse Paving Co. for the extension of Wolfe Road. The road will extend through the Varian-Vallco Industrial Park between Homestead Road and Stevens Creek Boulevard.

A \$4.5 million project has started to take shape. This is the Valley Village Retirement Homes Inc. at Winchester Blvd. & Dolores Avenue. This project which has been three years in the planning will cover an area of 9½ acres and Williams & Burrows, Inc. will handle the construction.

A new main Firehouse will go into construction within the next two weeks at Benton and Alviso streets in Santa Clara. Carl Swenson Construction Co. is the low bidder at \$472,700.

In Sunnyvale bids have been received for the construction of a four story concrete tower for Granite Rock Quarry in Aromas have approximately forty engineers and manage to keep them busy the year around. The same holds true of their Heavy Duty Repair Shop in Watsonville which keeps a number of mechanics busy.

Peter Kiewit at Moss Landing on the power house job are still going strong and are hard at it trying to get their work above ground level.

Rains Curtail Eureka Area: Pulp Mills Continue Work

By RAY COOPER and CURLY SPENCE

EUREKA — The expected winter rains have finally caught up with us and have convinced contractors that they won't be moving any more dirt until next Spring. We are still enjoying a few good days in between showers, which encourages the bridge, rock and paving jobs to continue and keep some of the Brothers off the unemployment list.

The Georgia-Pacific Pulp Mill job keeps going rain or shine, and puts weekly paychecks in the pockets of about 50 of our Brother Engineers.

The new Crown-Simpson Pulp Mill is slowly getting under way with Maurer & Sons doing the site-preparation. Brother "Pete" Clary is foreman, and says "Let it rain! All the better for compaction!" Brother Roy Stevens, standing by on the pumps, gives them any amount of water they want.

Willamette Tug & Barge, of Portland, Oregon, will have its dredge in the harbor the first of December, and will begin dredging operations for the Crown-Simpson pulp mill.

Bids have been called and will be opened on January 6, 1965 for the final section of the Redwood Highway in the Klamath area. The work involves the base rock, CTB and paving six miles of freeway that the Wunderlich Company has just completed.

Granite and C. K. Moseman are still working on this section of freeway constructing the bridge

across the Klamath river and putting in the approaches.

Geo. F. Casey Drilling Co. & Anderson Drilling Co. are keeping their Engineers busy on the horizontal drills at the M. K. job at Dean Creek and Blue Lake job.

Even with the winter weather at our door step, it looks like quite a few of the Brothers will have winter work. For those who are signing in on the out-of-work list, may we suggest that you keep in mind your registration date. Your registration shall be valid for only 84 days (12 weeks) from the date of registration; and this re-registration must be accomplished between the 76th day and the 85th day of your original registration, or last re-registration. If you fail to exercise this right, your name will be stricken from the list. When you come in to register, ask us for the date when you have to re-register and we will be happy to oblige.

In answer to the many inquiries concerning a Grade Setting School this year, the answer is "yes." As soon as teacher credentials have been approved, classes will begin, which will possibly be in December.

In closing, we of the Eureka office, Ray, Curly and Hazel, would like to extend our warmest and sincere Holiday Greetings and a Prosperous New Year to all the Brothers and their families. May good fortune and God's Blessings be with you always.

Most of the work around the Monterey area continues in spite of the weather due to the fact that the soil is of a sandy nature.

Moseman has started its \$1,500,000 project south of Salinas. At this writing they are in the clearing stage.

At Bradley we find Madonna Construction has a good start on their big Highway project. This should keep approximately thirty or more Engineers busy most of the time.

Green Construction Co. at the San Antonio Dam project has shut down due to the inclement weather. However, work will commence again as soon as the weather permits. They have to have their fill up to a certain elevation so they could have a problem if the weather remains wet.

G. J. Dianni Construction Co. were low bidders at Hunter Liggett for \$68,110 for repairing of the Sulphur Springs Road.

Valley Pump was awarded the wells at the San Antonio Dam recreation area.

Kirchen Bauer Trucking & Excavating Co. are crushing and hauling the materials for the concrete on the San Antonio Dam. They are set up on the Nacimiento River in Camp Roberts.

Spartan - Ebert Construction Company are starting their underground work on an 800-acre Industrial Site south of Moffett Field. This project will run in excess of \$2,500,000. They are also busy on the new Starlite subdivision on Highway 17 and Trimble Road in Milpitas as well as a pipeline job on Coyote Road.

Willie Franks Construction Company have moved in ten (10) Cats, Scrapers & 20's on their new 800-acre Sub-division in East San Jose Highlands above Alum Rock Park. This job will take at least 15 rigs to do the heavy grading on the rough terrain. Brother Cole Lucas is the Super on this job.

McGuire and Hester were the low bidders on two good-sized contracts for construction of sewers and a sewer treatment plant in Milpitas.

Grade setting is an important part of the Heavy Construction Industry, for no job big or small can be bid on or worked on unless there are plans as to how it should be built, type of material used and what the finished product should be like. Most all jobs are staked out from these plans by Engineers or Surveyors and then are ready for construction. A Grade Setter has to interpret the stakes and plans into the cuts and fills for the job. San Jose, District No. 9 has been sponsoring a class of instruction in Grade Setting at the San Jose City College for both beginners and for more advanced people, who wish to know more about their jobs. If you are at all interested in this phase of construction, please contact the San Jose Union Office or the office at the City College and find out where you may sign up for the course. The dates for sign-up of continuing students, or those already enrolled in a class are—January 12th, 13th, and 14th, 1965. For new students January 25th, 26th, and 27th. You will be given four (4) College credits for completing two (2) semesters which is the length of this course. The present class is being taught very effectively by Brother L. S. Parmley.

Golden Gateway Starts Second Building Phase

By DALE MARR, GEORGE BAKER, ED DU BOS and JIM MEEHAN

SAN FRANCISCO—The rains continue to hold the work down in San Francisco. The weather outlook is still bad and the contractors are not starting any major projects in this area. There are still a few big jobs going which we hope will continue through the holidays.

The second phase of the Golden Gateway has started. This will provide construction of another 22-story apartment building; 20 more townhouses, and some 8,000 square feet of commercial space. This new phase of the \$100 million development will be in the area bounded by Washington, Jackson, Drumm and Davis Streets.

Lowrie Paving is moving along with its job on the Mission Street parking lot. They were awarded four of these jobs by the City, and this is the largest.

Duncanson & Haroldson are moving right along on their freeway job. Guy F. Atkinson is standing by, ready to move in as soon as possible. Peter Kiewit & Sons, on the Southern Freeway, has arrived at the 20% completion stage. They have moved out the 641's and are moving the dirt from the structure area with loaders and trucks.

Bragato Paving has most of the sand moved on the beach job, which should eliminate a traffic bottleneck near the Zoo and Lake Merced Recreation area. Mike Murphy, with a good crew of men, is moving right along with the underground job on Franklin Street. This, and many other jobs of this type in the area have been keeping many of the Brothers off the out-of-work list. Due to the fact that these jobs are working on paved streets, the rains have little effect on them.

Another job similar to this is the work being done by Underground Construction Co., relocating water lines for the City that had to be moved for the Kiewit job on Junipero Serra Freeway.

Eichler Homes, in Visitacion Valley, is well under way with two 15-story apartment houses. They will erect two tower cranes on this job in the near future. They currently are pouring concrete. This job will last for about two years, which will make the men working there secure for the holidays.

The Brisbane City Council voted to accept another 250-acre garbage dump site south of Candlestick Park. This has been a red hot issue in the past six months with the residents of the City of Brisbane fighting it to the wire. Acceptance of the site will provide many good jobs for our members working there.

We in the San Francisco office extend to all of our members and their families a very "Merry Christmas and a Happy and Prosperous New Year." Best wishes for a Happy holiday from Dale, George, Dave, Ed, Jim, John and Mary.

Chronic respiratory disease was the leading cause of disability recognized by Social Security authorities during a recent 12-month period.

Under The Christmas Tree



READY TO GO . . . it would take a large Christmas tree, but Operating Engineers would find one if Peterson Caterpillar would deliver this new 16!

Mele Kalikimaka, Brothers

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

HONOLULU — The spirit of Christmas is certainly a wonderful feeling indeed. Amidst the hustle and bustle of busy people decorating, shopping, and planning for a memorable Christmas and New Year; it never fails when these busy people stop for a brief moment to wish each other a Merry Christmas and a Happy New Year. The Hawaii District's business representatives and office personnel would like to extend to all of our Brother members and their families, in the Hawaiian way, our best wishes . . . MELE KALIKIMAKA and HAOLE MAKAHIKI HOU.

Hawaii's weather has taken a sharp turn, and it seems that it will be a "wet" Christmas. As a result of the change in weather,

our Brothers are not getting many hours of work. A few, who have been working continuously throughout the year, are for the first time filing for partial-unemployment compensation, due to the lack of working hours during the work week. Let's hope the weather takes another turn in our favor; there is an abundance of construction work to be done.

At our first Sub-District quarterly meeting held on November 11, an election of Grievance Committee members was held. Brothers Herman Meek, Chairman; Eddie Ulmer, Shoichi Tamashiro, Everett Kaiama were elected to serve on the Grievance Committee. It will meet every Monday evening, between 7 and 8 o'clock, at the Union office, located at 2305 South Beretania Street. If there is any grievance that you may have, it is requested that you file it with the Com-

mittee immediately after occurrence.

NEW STEWARDS

Brother Antone Teixeira, who was appointed Steward for the Hawaiian Dredging & Construction Company Ala Moana Shopping Center Phase II project, is doing an aggressive job.

Also at Permanente Cement Company, now called Kaiser Cement & Gypsum Corporation, a new election of Stewards was held, and Brothers Daniel Amaral, Albert Gilding and Eugene Perez were elected. Brother Amaral's re-election has been due to his outstanding record as Steward during the past years.

These three stewards are also serving on the negotiating committee for a new contract with Kaiser and negotiations are progressing very smoothly.

We are negotiating with various trucking companies under our jurisdiction. Contracts with American Trucking Company and Kam's Express have been consummated, and we hope to complete negotiations with the trucking industry by Christmas.

W. T. Chang's Kawaiui Swamp project in Kailua, which entails a 12-inch suction dredge is progressing well. The Brothers have been working "six-tens" the past months, due to the very good weather. On the first day this project was closed, due to inclement weather, Brother William "Bill" Pauole, a "pro" when it comes to operating cranes, and Brother Christopher Olsen, an alert oiler, visited the Union office. They seemed to welcome the day off as they have been working very hard the past months. However, let's hope that there are not too many of these "rain outs"!

Honolulu's Chinatown, on Maunakea St is slated for improvement. Construction of new apartments, business buildings and face-lifting old structures are planned. This district is the city's oldest and is bounded by Nuuanu Avenue, King River, and Kukui Street, and will soon be brought back to life. A number of the present buildings have been torn down, and in their place will rise modern five-story office buildings with roof-top gardens.

Wharton Issues Safety Council National Awards

CHICAGO — Outstanding safety efforts during the last year were rewarded with plaques to the winners presented by Hunter P. Wharton, general president of the International Union of Operating Engineers.

Wharton made the awards presentation during the National Safety Council's 52 annual convention and exposition. He is the Council's vice president for labor, and head of the labor conference, which established the awards program in 1961.

Harry Reed memorial awards, named for the late assistant to the AFL-CIO secretary-treasurer, were presented to the following:

Oil, Chemical & Atomic Workers Local 8-12058 of Niagara Falls, N.Y., for a well-rounded safety program; Bakery & Confectionery Workers Local 3 of Long Island City, N.Y., for a successful program with continuity; the Washington, D.C., office of the Intl. Brotherhood of Electrical Workers, for a full-time safety program; Operating Engineers Local 150, Chicago, for over-all programs stressing safety training; Machinist Lodge 851 of Joliet, Ill., for active participation in community safety programs, including the promotion of seat belts; Goodyear Local 2 and Firestone Local 7 of the Rubber Workers in Akron, O., for programs emphasizing training on and off the job.

Citations for individual effort in accident prevention were won by William McCullough of Ontario Hydro Employees Local 1000, Toronto, Ont., the first Canadian award winner; Murray Miller, health-safety coordinator for Bakery Local 3 of Long Island City, N.Y., Safety Dir. John R. Kumpel of the Rubber Workers, and Safety Dir. Lloyd D. Utter of the Auto Workers.

LBJ Lays Out Job For Congress

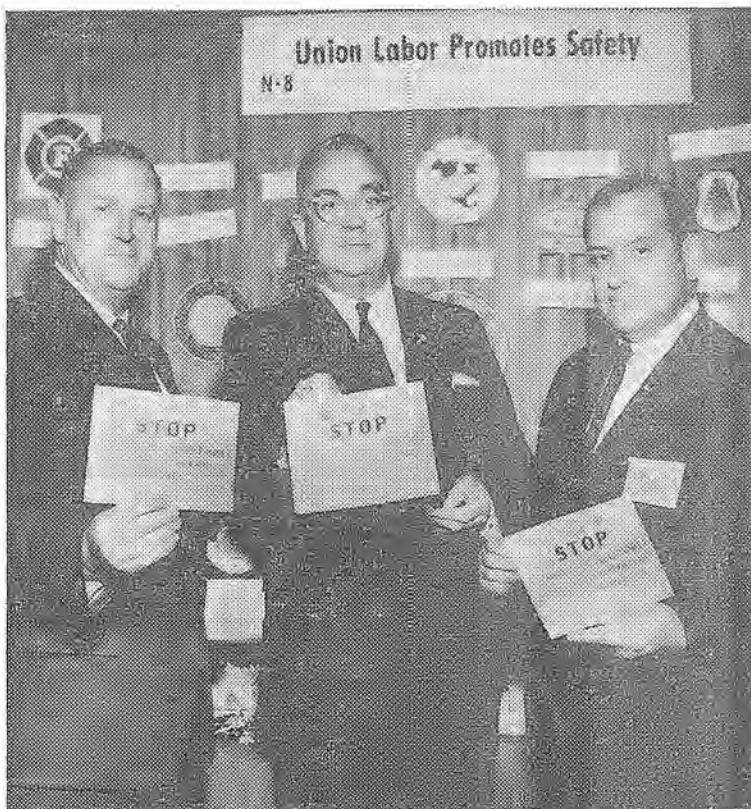
President Lyndon B. Johnson's program for the 89th Congress began to shape up this week after the President called on two Democratic House leaders for a report on all measures standing a good chance of early passage in 1965.

Johnson has already indicated that medicare and aid to Appalachia, a poverty-stricken 11-state East Coast area, would receive top priority.

Other labor-backed programs being considered for early action include:

- A program for increased and liberalized unemployment compensation.
- Expanded social security benefits.
- Extension and expansion of the Area Redevelopment Program to bolster the economies of areas suffering high unemployment.
- A program to provide federal aid to education below the college level.
- A new immigration measure.

The risk of dying in the prime of life is almost twice as great for men who are heavy cigarette smokers as for nonsmokers.



SAFETY MESSAGE . . . National Safety Council meeting in Chicago recently adopted Engineers' message: "Do not talk to operator while he is operating equipment." From left: Dale Marr, Local 3 vice president; Hunter P. Wharton, general president of IUOE, and Fran Walker, Local 3 safety representative.

County-by-County On Highway Funds

Slightly more than \$81 million will be spent on highway improvement in Bay Area counties other than San Francisco in 1966.

The following is a county by county breakdown:

ALAMEDA, \$14,500,000 — Extension of freeway from Sunol to the Contra Costa County line to complete freeway 680 from Fremont to Vallejo via Walnut Creek; widen Nimitz Freeway to six lanes between Hayward and San Lorenzo; resurface Nimitz through San Leandro; landscape freeway 580 between Gabriel Court and San Leandro; widen Mission Blvd. in Fremont, and acquire rights of way in Castro Valley and along Route 24 in Oakland.

CONTRA COSTA, \$7,385,000 — Complete Freeway 680 between Dublin and Walnut Creek; landscape Freeway 680 south of Concord and in Walnut Creek area, and acquire various rights of way.

MARIN, \$1,475,000 — Extend Tiburon Blvd. one mile east as a four lane highway from Blackfield Drive; place rock rip-rap along Richardson Bay edge, construct parking facilities for south-bound motorists at north end of Golden Gate Bridge, and acquire various rights of way.

NAPA, \$1,555,000 — Convert Route 29 to four lane freeway from Napa Creek to Redwood Road in Napa with Lincoln Ave. interchange; widen portions of Route 128 between Route 29 and Route 121, 12 miles east of Ruthersford; acquire rights of way.

SAN MATEO, \$35,855,000 — Construct eight lane freeway between Eastmoor Ave., Daly City, and a point half mile south of Arroyo Dr. west of South San Francisco, with interchanges at Westborough Blvd., Collins Ave. and the future Rt. 1 freeway; rough grade interstate 280 be-

tween Summit Dr., Hillsborough, and Larkspur Dr., Millbrae; construct eight lane freeway on Route 280 between Larkspur Dr. and Route 186 in San Bruno; rough grade four lane freeway on Route 1 between St. Francisco Blvd., Daly City, and Interstate 280; complete financing eight lane bridge for 280 across San Mateo Creek to Hillsborough; widen Bayshore to eight lanes between 19th Ave., San Mateo, and Broadway in Burlingame; reconstruct and resurface Route 84 between Route 1 and point 2.5 miles east near San Gregorio, and acquire rights of way.

SANTA CLARA, \$19,751,800 — Construct Interstate 280 as six lanes between Los Altos and Magdalena Ave., and as eight-lanes to north of Page Mill Rd. in Los Altos Hills; extend 280 between Saratoga and Cupertino another two miles six lanes with twin bridges across Stevens Creek to provide full freeway between San Jose and Los Altos Hills; landscape freeway in San Jose and Saratoga; construct four lane freeway in Sunnyvale on Route 237; construct San Antonio St. overcrossing in San Jose; resurface portions of 101 south to Gilroy; modify 16 intersection on 101; widen Route 9 in Saratoga from two to four lanes; construct Dana St. overcrossing in Mountain View; resurface parts of Pacheco Pass; acquire rights of way.

SONOMA, \$1,050,000 — Reconstruct Route 1 north of Ft. Ross; install underdrain on Route 1 at Stewart's Point; relocate Route 115 between Austin Creek at Big Bend for improved road alignment; acquire rights of way.

SOLANO, \$81,226 — Landscape Interstate Freeway 80 four miles west of Vacaville, west of Dixon and along Route 113 southwest of Davis; acquire rights of way.

San Rafael Jobs Interrupted By Sound Drenching

By AL HANSEN

SAN RAFAEL—The work picture has suddenly changed as heavy rains drenched the area, shutting down many jobs, particularly the Luhr-Wendt job at Bel Marin Keys. However, at this writing, the sun is shining, and if it continues reasonably clear, we look to see many jobs back in operation.

Syar & Harms-Ball is trying to complete the Hwy. 101 job, and is down to about 6 operators at this time, according to Super Bob Ferguson.

Bids have been called for the widening of Irwin Street, in San Rafael, and perhaps by the next issue, we will know more, and who has been awarded this contract.

We see where Maggiora-Ghi-lotti & Madsen, newly formed company, have been awarded a few jobs in the area; these boys are certainly hustlers. Their most recent job is grading and drainage, located in Lucas Valley at the Dixie School site. The company is also doing a job at Alcan-Pacific, at Richardson Bay Bridge-Mill Valley.

Linscott Company is back in operation after a week's shut down due to the recent storms and at present doing jobs at Lucas Valley and Canal St., in San Rafael.

Wilson & Chadwick Co. was awarded Phase 3 of the Lagunitas Pump Station at a cost of \$4,460. They recently completed the job at the Hub, in San Anselmo.

North Bay Construction, of Santa Rosa, was awarded a sewer construction job for \$396,040.

S. H. Cervantes & Son is doing a sewer construction job in Novato after recently finishing a job in Eureka.

Brown-Ely keeps busy on the street and road work, north of Novato on Hwy 101, and other locations in the county.

J. & K. Construction, at Indian Rick subdivision in San Anselmo, is doing curb, gutter. Merz Bros., also, is doing some work at this location.

Finn Construction at present is still shut down on the Trousdale job at Marin Oaks, Loma Verde, but will resume operations as it dries up.

A number of small jobs in the county have been started and expect to beat the rains.

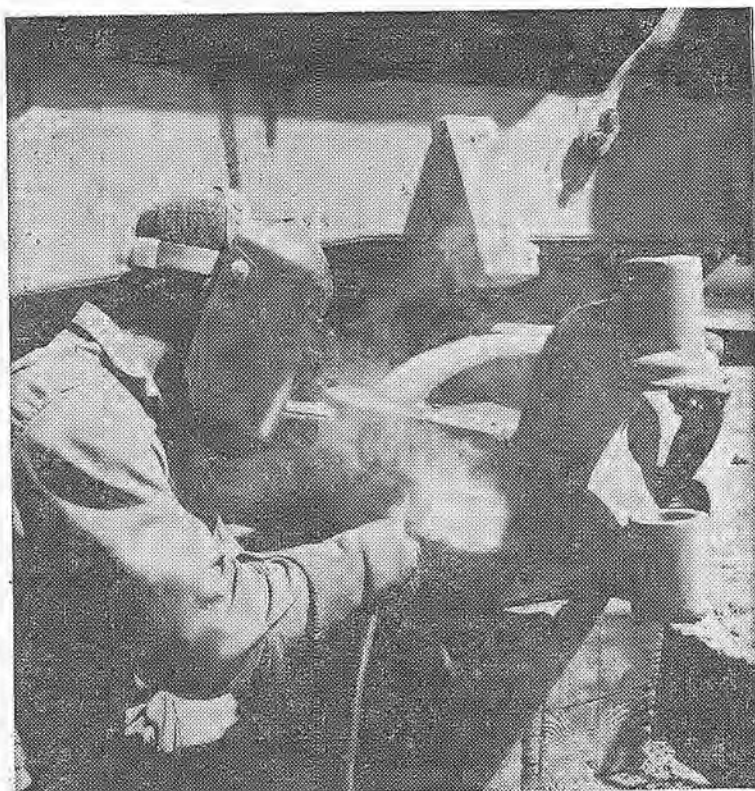
Brothers, we remind you that 1965 year buttons are available for those who wish to pay by the year. Here are the amounts: dues for 3 member are \$102.00; for 3A-3C-3E, \$90.00. The following Brothers already bought their 1965 cards:

Lyle Gilson, William Gilson, Jack B. Teft, Calvin Hall, William R. Whittington, Merrill Weekley, G. H. Lovely, John Kolesar, Warren Blake.

Brother Fred Galassi, apprentice employed by Ceccotti & Son has been inducted into the armed services—the best of luck to him!

We wish to remind you to make sure that your beneficiary card is up to date. This is very important. Forms for change of beneficiary are available at your union office, for this purpose.

We in the San Rafael office, Al Hansen and Terry Haag wish you all a Happy Holiday Season!



SAFETY FIRST . . . Repairman Barry Groves welds an axle on a scraper on the San Luis after bay power station project. King pins in these scrapers are breaking and showing up with hair-line cracks. It pays to have competent mechanics who check these things before serious accidents hit.

'Joblessness Far Too High' LBJ Tells Economic Aides

"Unemployment is still far too high...and educational opportunities must be increased," President Lyndon B. Johnson declared this week in the course of swearing in Gardner Ackley, a former University of Michigan professor, as chief of his Council of Economic Advisors.

Citing the 1964 tax cut as an example, the President said he believed that the American people have come to realize the importance of government actions to keep the economy booming.

"Our gains have been many, but we're still not satisfied," he declared, intimating that he would call on Congress for additional programs to expand educational opportunities and reduce joblessness.

British Claim Idea of U.S. Peace Corps

LONDON — Four years ago President Kennedy founded the Peace Corps and the whole world has head of it, say the Daily Mail.

"Not many people in Britain realize, even now that the Peace Corps was specifically inspired by a British prototype called Volunteer Service Overseas, which is doing a similar job, too. The Peace Corps has overtaken it in numbers, but not in quality. But the world needs both organizations and many thousands more volunteers of the right kind besides."

A campaign is on to expand the VSO.

Semi-Annual Meet Set For January 9

The first semi-annual membership meeting of 1965 will be held Saturday, January 9 at the San Francisco Labor Temple at 16th and Capp Streets. The meeting will start promptly at 1 p.m.

Collier's Defense of Freeways

Those opposing freeways are persons who want them as long as they are on the property of others and paid for by others, State Senator Randolph Collier of Yreka said here yesterday.

Collier made his remark as he accepted the presidency of the newly formed California's for Modern Highways, Inc., organized to show the benefits derived from the State's multi-million dollar construction program.

"We live in a rubber-tired economy," Collier said, "with more than 2 million families operating two or more cars. Freeways are imperative to a free flow of movement."

"It is time for the critics to abandon their extremist views and devote more time to the constructive balance of an adequate transportation system, using freeways as the basis for development."

Are You Entitled To DI Refund?

If you have worked for more than two employers during the year and received more than \$5100 in wages in California and paid more than \$51 into your disability insurance, then you should file for a rebate.

Rebate forms, number DE 1964, will be available after January 1, 1965 at any local state employment office. Do not include wages earned in other

LBJ Electoral Vote Biggest Since 1936

The electoral vote of 486 that President Johnson rolled up on Nov. 3 is the biggest any presidential candidate has received since 1936 when President Roosevelt amassed 523 votes to 8 for Landon. Goldwater's total was 52, of which 47 came from five Southern states and five from his home state of Arizona, where he won by a margin of less than 4,000.

Obituaries

Name	City	Init. Date	Date of Death
C. M. Adamons,	Hillsborough, Calif.	12- 2-39	11-21-64
Keith Barron,	Pacific Grove, Calif.	1- 7-56	11-27-64
Dallas Brown,	Project City, Calif.	10- 6-45	11-23-64
E. D. Caldwell,	Cupertino, Calif.	11- 7-42	11-12-64
Robert B. Cuddy,	San Lorenzo, Calif.	2- 8-59	11- 1-64
Clarence Crawford,	Oakland, Calif.	8- 4-51	11- 2-64
George Edwards,	Wheatland, Wyo.	5-17-41	11-13-64
*William Fargo,	Hayward, Calif.	6- 7-58	11-30-64
Arthur Fessler,	Sunnyvale, Calif.	6- 4-55	11-21-64
Edgar Fillmore,	American Fork, Utah	8- 6-55	10-30-64
*Chris Higuera,	Fremont, Calif.	11- 3-45	11-16-64
H. E. House,	Hayward, Calif.	12- 6-52	11- 3-64
*Denny McKinnon,	San Jose, Calif.	4- 1-50	11- 6-64
L. H. McPherson,	Vallejo, Calif.	10- 2-60	11-29-64
R. L. Monroe,	Sacramento, Calif.	1- 8-44	11- -64
Raymond Moyer,	Napa, Calif.	7- 2-49	11-28-64
G. N. Murray,	Redding, Calif.	10- 4-58	11-14-64
Samuel K. Pa,	Hilo, Hawaii	9-11-60	10- 4-64
Sam Phillips,	Sacramento, Calif.	12- 6-41	9-28-64
Jean Roof,	Reno, Nevada	10- 4-64	10-24-64
C. Rodriguez,	Truckee, Calif.	11-19-61	11-26-64
Gerald Raver,	Oroville, Calif.	6- 4-49	11-21-64
Orville Smith,	Watsonville, Calif.	7- 8-38	11-11-64
Ray Styles,	San Mateo, Calif.	11- 3-45	11-16-64
Leland Thomas,	Grass Valley, Calif.	12- 7-46	10-30-64
Roy O. Wood,	French Camp, Calif.	2- 7-51	11-13-64
*Industrial Accidents (3)			

Free Checking Account

Through an arrangement with the officers of Operating Engineers Local Union No. 3, the Northern California National Bank, 5th and Ellsworth Streets in San Mateo, is pleased to offer service charge waivers on any checking account opened by a member in good standing of this union. This service charge waiver will continue during the term of membership. The bank will also provide bank-by-mail with postage prepaid.

Clip and return the coupon below and the necessary supplies will be mailed to you immediately.

BY RETURN MAIL PLEASE FORWARD SIGNATURE CARDS FOR THE FOLLOWING:	
CHECKING ACCOUNT: <input type="checkbox"/>	SAVINGS ACCOUNT: <input type="checkbox"/>
OTHER: _____	
NAME: _____	
ADDRESS: _____	
REGISTER NO. _____	

Mail to:

Northern California National Bank of San Mateo,
Fifth and Ellsworth Streets,
San Mateo, California.

VISIT BLOOD BANK; GIVE FOR ENGINEERS

SWAP SHOP: free want ads for Operating Engineers

FOR SALE

H.D. MECHANIC TOOLS, complete Snap-On; also electric hand tools, sell for 60 per cent of new or best offer. James C. Good, 821 Latimer Ave., Space 22, Modesto, Calif. Phone Area 209, 523-8979. Reg. 652475.

1939 CHEV. CPE., Buick eng., trans. and rear end. New naugahyde interior and paint, \$550. Also 1939 Ford Deluxe cpe, '59 Buick engine, 3-2's, aluminum flywheel, excellent body and paint, \$550. Jack Leverett, 930-14th St., Oroville, phone (Area 916) 534-1847, Reg. No. 940975.

2-BDRM., 2 bath, family room, all electric kitchen, patio, fenced and landscaped, large lot. D. Lane, Box 175 Moss Landing, Calif., phone 633-3423. Reg. No. 635722.

HOUSE TRAILER, 1958, 10 ft. by 45 ft., Golden State kit. Forced air heat, 2 bdrm., full tub shower, hardwood paneling, \$3,000. Dewey G. White, 3031 N. West Ave., Fresno, Calif. Reg. No. 354310.

COMMERCIAL PROPERTY, approx. 3 acres, 198-ft. frontage on main thoroughfare, West Ave., near Shields Ave. and shopping centers, \$72,000. Dewey White, 3031 N. West Ave., Fresno, Calif. Reg. No. 354310.

EXCHANGE EQUITY, \$3700. Los Banos house for like equity in Salinas area home. Dick Manning, 136 Del Mar Dr., Salinas, Calif., phone 424-9941. Reg. No. 863900.

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.

TRI-PACER "58", 1585 H, 685 hr. on 160 hp remfg. engine, Mak II LFR-3 VHF omnirotator, Lic. 3/65. 100 hr. just completed, Robert Bowden, 326 W. 12 St., Tracy, Calif., phone 835-0953. Reg. No. 946992.

LOTS, in Apple Valley, Calif. Sell or trade East Bay property. Hwy. Lot. 750 ft. by 1245 feet. \$5000. Country Club lots, 1.4 acre, \$9,000; pie-shape, 256 ft. frontage, \$7000. Joe Caetano, 4428 Meadowbrook, Richmond, Calif. Phone 223-0286. Reg. No. 351372.

1961 STUDEBAKER, 3/4-ton pickup, Budd Wheels, 4-speed box, 289 engine, 21,000 miles. M. S. Holderman, Rte. 2, Box 2060, Auburn, Calif., phone 885-3639. Reg. No. 271558.

ELECTRIC RANGE, late model like new, 30-inch, large oven, \$75. Also, 1959 Buick Electra 225, low mileage, due to illness, sell or trade for vacation trailer, Patrick Linn, Orangevale, Calif., phone 988-2220. Reg. No. 324319.

CHRIS CRAFT cabin cruiser, 21 ft. Coast Guard inspected, sleeps 2, sink, icebox, head, \$1600. Dual-wheel boat trailer, \$400. Sell or trade both for pickup and camper of equal value. James Nichols, Rt. 1, Box 525, Space 16, Antioch, Calif., phone 757-4345. Reg. No. 899424.

FORD PICKUP, 1959, with 1963 camper; 24-ft. house trailer; camper shell for pickup, all very reasonable. Howard Miller, 1390 Suffolk Dr., San Jose, Calif., phone 259-1819. Reg. No. 1025277.

QUARTER MIDGET racer, \$100. or trade for two good bicycles, or anything of equal value; also, metal tool box made to fit pickup with five drawers and two tote trays; \$50. Robert L. Miller, 1035 Homestead Rd., Sunnyvale, Calif., phone 245-8433. Reg. No. 390182.

CHRISTMAS VALLEY, Oregon, 20 acres. Nothing down, \$42. monthly on contract. Full price \$2200. J. Reynolds, 3287 Lake Dr. Marina, Calif. Reg. No. 1142841.

LOTS, Kingman, Ariz., 25-ft. by 100-ft., in city limits, utilities, paved streets, ten lots total. \$4000. Fred Rimel, 2016 Simms Ave., Kingman, Ariz., Reg. No. 695039.

TOOLS, H.D. mechanic, complete set, mostly Snap-On. Sell 60 per cent of cost; also, some electric tools. James C. Good, 821 Latimer Ave., Space 22, Modesto, Calif. phone: 523-8979. Reg. No. 652475.

Z HITCH, for house trailer, heavy duty, free-swinging, excellent condition. Best offer. Ed. Sylvain, 947 Dewing Ave., Lafayette, Calif., phone: 283-8268. Reg. No. 819275.

PONTIAC Catalina Sta. Wgn, 1959, one owner, nearly new tires, A-1 condition, \$1200. John Reiden, Castle Rock Trlr. Park, Box 164, Valley Springs, Calif., phone: Valley Springs 2762. Reg. No. 374738.

HOUSETRAILER, 1958 Ideal, 1958, ex. condition, \$1600. Brown Gables Trailer park, Ben Lomond, Calif., space 10. Richard Liebenberg, PO Box 231, Ben Lomond, Calif., phone 336-5520. Reg. No. 1098560.

95 CLEVELAND TRENCHER, 12-inch buckets, new wheel, good motor, track, \$1750. Would take tilt trailer as partial payment. M. L. McDaniel, 837 So. Wagner, Stockton, Calif. Reg. No. 969905.

MOTOR SCOOTER, 1961 Vespa 150, good condition, Chas. Spoon, 650 37th St., Richmond, Cal. Phone: BE 3-3814. Reg. No. 234462.

MOTEL, 6 units and 3 bedroom, 2-bath house, on 1.41 landscaped acres, between Stockton and Lodi on highways 99 and 50. Filtered pool, \$48,000. Solon Durrance, 9240 North Highway 99, Stockton, Calif. Phone 477-2245. Reg. No. 258345.

HONDA 50, perfect condition, 1964 model, electric starter, \$235.00, only 60 miles. T. W. Hoppe, 545 Wayland St., San Francisco, JU 5-5785. Reg. No. 495262.

1957 GREAT LAKES TRAILER HOUSE, 8'x15', 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.

1964 PRESTIGE MOBILE HOME 20' x50', 2 bdrm., carpet 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.

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.

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 bdrm. 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, Woodsford, Calif. Power, water, paved road. Kenneth D. French, 3929 Via Cristobal, Campbell, Calif. Reg. No. 908550.

NASHUA HOUSETRAILER 1962, 10x55' expanded livingrm., 1 bdrm., 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.

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

DISTRICT MEETINGS

JANUARY

DISTRICT 1

San Francisco

Jan. 6—Wednesday.
San Francisco Labor Temple,
16th & Capp Sts., 8:00 p.m.

DISTRICT 4

Eureka

Jan 12, Tuesday.
Engineers Bldg., 2806 Broadway,
8:00 p.m.

DISTRICT 7

Redding

Jan. 13, Wednesday.
Engineers Bldg., 100 Lake Blvd.,
8:00 p.m.

DISTRICT 6

Oroville

Jan. 14, Thursday.
Prospector's Village, Oroville
Dam Blvd., 8:00 p.m.

SUB-DISTRICT 1

Honolulu

Jan. 20, Wednesday.
I.B.E.W. Hall, 2305 So. Bere-
tania St., 7:00 p.m.

****Election of Grievance Committee delegates shall take place at the first District Meeting of the year in each respective District.**

Steward Meeting

DECEMBER

Vallejo — Dec. 14, Monday.
Union Hall, 2172 Springs Rd.,
7:30 p.m.

San Francisco — Dec. 16, Wed.
Conference Room, 7:30 p.m.

San Mateo—Dec. 17, Thurs.
Union Hall 50 No. B St. (Carp.
Hall) 7:30 p.m.

'Let us Begin'

JFK in Memorium

The nation and all labor recently paused in silent tribute to John Fitzgerald Kennedy, struck down by an assassin too much before his time.

He gave the new generation of our nation and peoples of the world a new Vision clothed with Vigor, eloquence and style. The nation rallied to new direction when he said "let us begin"; it rallied to bring itself out of the desert of economic recession.

And his flame of leadership never went out when Lyndon B. Johnson said "let us continue." He is bringing to fruition the Kennedy vision of equal rights, new economic policies for the Great Society and other wide spread programs designed to upgrade the working men and women of America and set an example for other peoples of the world.

Our hope and trust at this time of year is in the leaders of our great nation, and in the leadership of our great Union.

So it is with sincere thoughts that we wish everyone of our members, peace, prosperity and human dignity during this Christmas and all during the coming year.

Strike Idleness Hits Low In Third Period

Strikes and lockouts active in California during the third quarter of 1964 resulted in 363,000 mandays of idleness. This was far below the third-quarter average of 653,000 mandays for the past ten years, according to Ernest B. Webb, Director of Industrial Relations, said today.

According to preliminary estimates by the State's Division of Labor Statistics and Research, 35,000 workers were idled by the 80 work stoppages beginning in the third quarter of this year.

CREDIT UNION

District 9

San Jose — Jan. 5, Tuesday
Labor Temple, 45 Santa Teresa,
8:00 p.m.

District 8

Sacramento — Jan. 19, Tuesday
C.E.L. & T. Bldg., 2525 Stockton
Blvd., 8:00 p.m.

District 2

Oakland — Jan. 21, Thursday
Labor Temple, 2515 Valdez St.,
8:00 p.m.

California exports more agricultural products than any other state in the Union.

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.

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.

TRACTOR, Fordson 8-N, with 52 in. Howard Roto, Continental posthole digger, 2-9 in. Augers. Good condition—tires 60% new. Otto 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.

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

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.

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 HOSE, Hyv. Dty. 4 in., oil resist., 400 ft.; Roy Cook, 9300 Fruitridge Rd., Sacramento, Calif., Ph. EM 3-8223, Reg. 683257.

REFRIGERATOR, Westinghouse med. size, good cond. \$30.00; 2 Stude. Radio—\$10.00; can be seen at 149 University Ave., Vallejo, Calif.; Phone 642-6103; John Davis, 6145 Wildhorse Valley Rd.

CLUTCH ASSEMBLY, TD 24 Internatl. complete, \$200. George Walker, City Trailer Park, Sp. 31/1153 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 839, 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.

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CITY _____

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