

# Engineers News

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OPERATING ENGINEERS LOCAL UNION NO. 3, SAN FRANCISCO, CA

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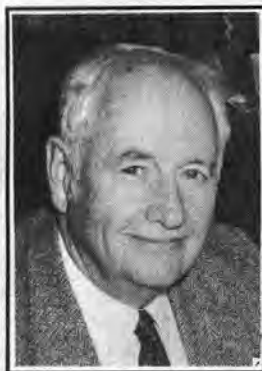
## The Drought: *Will it affect our work?* (See page 4)

### Important Notice

Please see page 18 for a schedule of regular district and specially called meetings where a resolution to amend Article VI (Dues) of the Local Union Bylaws will be presented to the membership for a vote.

**A thirsty reservoir:** Folsom Reservoir and other key recreational communities that rely on plentiful water for their local economy, will suffer most this summer from a fourth consecutive year of drought.





## FOR THE Good & Welfare

By Tom Stapleton  
Business Manager

Political analysts are already labeling the California June Primary as the election that shattered the myth that Californians would never again agree to raise their own taxes. They did, and in a big way.

As for me, I'm happy to let the political pundits dissect this election all they want. This election boiled down to one thing for us in the building and construction trades: This election was our biggest and most critical victory in decades.

We won Proposition 111, the controversial gas tax measure which will for the first time in over 20 years give this state the money it needs to properly fund our transportation system. Along with Proposition 111, we also won 108 and 116, related bond measures that will beef up our mass transit systems.

The effect these measures will have on our work picture for the next 10 years cannot be overemphasized. With them, our members will take home hundreds of millions of dollars in wages that otherwise would not have materialized. Furthermore, the improvements this work will bring in our roads and highways will benefit commercial and private development all over this state.

I can say without reservation that no group in labor or business contributed more in time, money and plain old sweat and blood than did Local 3 to get these ballot measures passed. It was no accident on our part that we were the first organization on Governor Deukmejian's task force to come up with a large cash contribution for the campaign (\$50,000). It was money well spent on behalf of our members.

But that was only the start. We printed hundreds of thousands of flyers, signs and absentee ballot request forms and helped distribute them all over the state. Our business agents, and our active and retired members hung signs, handed out flyers, worked phone banks and otherwise did everything possible to get out a positive vote on these critical ballot measures. My hand goes out to each and every individual who involved themselves in this campaign.

Our hard work paid off.

The defeat of Propositions 118 and 119 – the reapportionment measures – were no less significant a victory for working men and women. Again, Local 3 fought on the front lines to defeat these destructive measures, which would have destroyed California's reapportionment process and jeopardized every legislator who has worked on our behalf.

There were other key victories. We will benefit from the passage of a number of bond measures that will build more prisons, expand our college campuses and provide housing for the homeless. Our candidate for Attorney General, Arlo Smith, beat out Southern California rival Ira Reiner.

John Van de Kamp, our endorsed candidate for governor lost to Democratic rival Dianne Feinstein, but this was not a critical defeat for us. Although we backed Van de Kamp because of his superior labor record, Feinstein is by no means an enemy to labor and she has proven to be a formidable opponent. With hard work, on November 6, we may have a Democratic legislature and Executive branch in California for the first time in eight years.

***"No group contributed more in time, money and plain old sweat and blood than did Local 3 to get Props. 111 & 108 passed."***



This distinguished looking bunch is the group of delegates that had the privilege of attending Local 3's first Political Action Congress. The two day conference, held at the Raddison in Sacramento, was designed to introduce the district rank-and-file PAC officers to the candidates and issues that need

our attention during this election year. Key politicians such as Lt. Governor Leo McCarthy and Assembly Speaker Willie Brown made personal appearances before the delegates. A great deal of the program was also devoted to training the delegates on the nuts and bolts of the endorsement process.

## Conferees stressed defeat of reapportionment initiatives

It could be said that the final push to defeat Propositions 118 and 119, the two Republican-sponsored redistricting measures that appeared on the June 5 primary election ballot, began at the AFL-CIO Legislative Conference May 21-23 in Sacramento.

Considered one of the most crucial AFL-CIO legislative conferences in recent years, over 600 delegates from throughout California, including 15 from Local 3, convened at the Radisson Hotel to hammer out an effective strategy to defeat Props. 118 and 119. And judging from election results, the conference paid off. The two measures were soundly defeated by margins of nearly two to one.

With the primary election just two weeks away, speaker after speaker focused the perils that Props. 118 and 119 would have brought to working people and organized labor.

Lt. Gov. Leo McCarthy, the first statewide official to address the conference, got right to the point: "Do you want a dozen more anti-labor right wingers on the floor of the House of Representatives voting against every legitimate item that organized labor proposes?" he asked. "That's exactly what you'll get if these two propositions pass."

Assembly Speaker Willie L. Brown, Jr. warned that the far right devised the two measures "to change the nature of the playing field" because labor-backed candidates are winning the elections Republicans used to assume belonged to them.

At the conference dinner May 22, Senate President Pro Tem David Roberti stressed that each measure, supported with \$2 million raised by oil companies, insurance companies, land developers and most of the state's major anti-union companies, would stack the deck and take the job of deciding who gets elected away from the public and elected officials and into

the hands of the rich and the corporations.

Roberti pointed out that through passage of Props. 118 and 119, the Republicans—and their corporate allies—would be expected to win a host of anti-worker laws, eventually converting California to a right-to-work state. "The California average weekly wage is 40 percent higher than the average in the 21 right-to-work states," he said.

## Engineers News

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# Contractor blamed in crane collapse

*Risky maneuvers attempted by poorly trained crew led to accident*

By Steve Moler  
Assistant Editor

**C**AL-OSHA INVESTIGATORS have concluded that a series of risky maneuvers attempted by a poorly trained and loosely supervised crew led to last November's crane collapse in San Francisco that killed five and injured 22.

The circumstances that led to the accident may never be entirely known because the four crane crew members were killed, but investigators were able to piece together a probable cause from an examination of the wreckage and from more than 100 interviews.

On the morning of November 28, according to Cal-OSHA's findings, the crew, which consisted of a crane operator, a foreman and two ironworkers, employed by The Erection Company based in Kirkland, Wash. was operating a Peiner Model SN 355 luffing boom tower crane at a construction site on the corner of California and Kearny streets in San Francisco's financial district.

A tower crane consists of a superstructure and boom on top of an expandable tower. As the building under construction rises, the crane too can rise by adding sections. Tower cranes are anchored to the ground and bolted to the building at various intervals.

That morning, the crew was attempting to add an additional section to the crane when a roller on the climbing frame jammed at a point about 5 inches short of where the new tower section was supposed to be installed. A witness heard a screeching metal-on-metal noise during the previous day's climb and again on the morning of the accident. The noise became louder during the moments just before the collapse.

Investigators concluded that the noise was the roller binding on the climbing frame, which caused the crane's center of gravity to shift. In an attempt to relieve the binding, the crane's operator, IUOE Local 612 member Lonnie Boggess, activated the crane's slewing motor. The crane rotated past its balance point, causing the turntable platform to tilt downward, allowing gravity acting on the counterweights to overcome the crane's braking system.

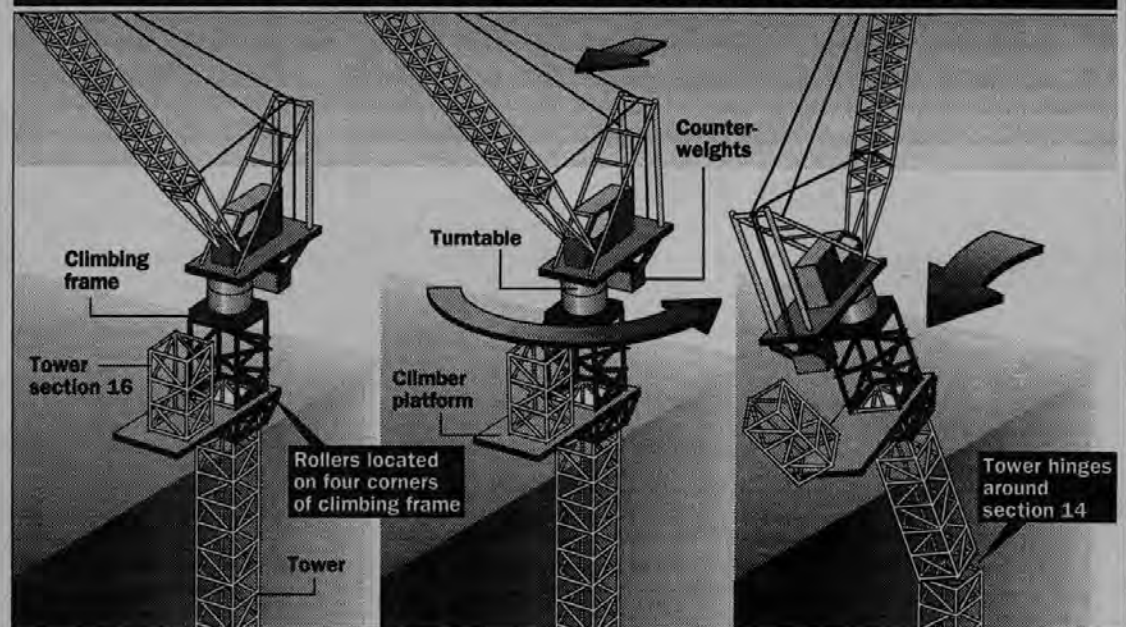
At this point, witnesses observed the foreman and the two ironworkers standing on the catwalk peering upward. The crane continued to rotate counterclockwise to about 140 degrees, then began to shutter and fall backwards. The foreman and two ironworkers started climbing down the tower frame apparently trying to escape while Boggess evidently remained in the cab. The backward force caused a vertical member two sections below the turntable to snap, causing the tower to fall 290 feet to the street below, killing all four crew members and a bus driver on the street.

Cal-OSHA cited The Erection Company for 25 alleged violations of California worker safety laws, with proposed penalties totaling almost \$80,000. Seven citations were considered "serious," meaning conditions existed in which employees could have suffered death or serious injury. Another four citations were considered "willful serious," because the company failed to abate conditions it apparently knew were unsafe or hazardous.

Local 612 Dispatcher Gordy Howins described Boggess as a "pure professional," a journeyman crane operator with over 10 years experience. "They didn't bring Lonnie to San Francisco all the way from Tacoma because he was a fun guy to go to lunch with," Howins said.

But Cal-OSHA believed the crew, despite its years of crane experience, lacked the qualifications and experience to properly "jump" the Peiner Model SN 355. "The crane an operator uses in the industry may be different from the one he learned on," said John New, a crane instructor at

## CAL-OSHA'S FINDINGS: HOW THE CRANE COLLAPSED



**1.** As the crew jacks the crane to a higher level and prepares to slide a new section of the tower underneath it, a roller on the southwest corner of the climbing frame sticks. Witnesses hear a screeching sound and the crane tilts forward, throwing the lifting process off balance.

**2.** The crew attempts to right the tilted crane by rotating it on its turntable, but the crane's counterclockwise rotation only throws it farther off balance. As it swings 140 degrees, the crew stares upward and then begins to scramble down the climber platform.

**3.** Gravity acts on the counterweights and overpowers the braking system, causing the crane to fall backward. The tower separates around section 14 and causes the crane and upper section of tower to fall some 290 feet, sideswiping two buildings before shattering on the streets below.

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Examiner Artist: Chris Moore

Local 3's Rancho Murieta Training Center. "This is why the operator must take the time to learn all the proper operating and safety procedures."

According to Cal-OSHA, the "climbing" procedure was not performed under the supervision of a qualified person experienced

in the erection of the Peiner Model SN 355. The crew performed several unsafe acts, some of the most serious included:

- Using an air tugger to

pull new sections onto the tray in violation of the manufacturer's instructions.

- Attempting to balance the crane by watching the climber's tilt or lean after the bolts were removed, also against the manufacturer's recommendations.

- Failing to stop operations and determine the cause of the noise. Upon hearing the noise, the crane should have been lowered to the next set of dogs and a certified agent contacted to investigate the noise.

- Raising or lowering the boom during the latter stages of the climbing sequence while the crane was solely supported by the climber.

- Attempting to fix a hydraulic leak by tightening a hydraulic fitting while the system was under pressure, which was not recommended by the manufacturer.

- Rotating or "slewing" the crane during the climbing sequence while the crane was solely supported on the climber in order to align the tower section bolt holes.

"It sounds to me like the employer should have had someone at the job site to train the crew," New said, "and at the same time, the operator should have taken the time to study the manufacturer's operating manual."

Under California law, the employer must ensure that employees receive adequate training and are aware of hazards unique to their jobs. The company failed to maintain an accident prevention program that provided capable, responsible supervisors who made regular machinery and equipment inspections at fre-

(Continued on page 17)

## Cal-OSHA cited The Erection Company for 25 alleged violations.



## Special Report: The Drought

# Drought not expected to hurt construction industry

*Only in areas with water rationing will construction be adversely affected*

**By Steve Moler**  
Assistant Editor

**T**HE QUESTION MANY LOCAL 3 members must be asking now that summer has arrived is: What effects will California's fourth consecutive drought year have on the construction industry?

Considering that 1990 is shaping up to be the worst of the four drought years and one of the driest this century, the construction outlook overall appears surprisingly good. Highway construction in Northern California is expected to cruise through 1990 unscathed by the drought and problems in subdivision projects will be limited.

In areas with severe water shortages, construction projects are being curtailed or stopped entirely, and contractors are being prohibited from using potable water. For the most part, however, these problems are limited to counties that have imposed water rationing.

To give you an idea of the drought's severity, statewide rainfall is now 45 percent below normal, reservoir storage has decreased to about 30 percent below normal and runoff from the Sierra Nevada is 60 percent below normal. State drought officials say the chances of these figures changing dramatically anytime soon or that the drought will end before next winter are slim.

Because drought conditions vary so widely throughout the state, California, at least during

these lean years, has emerged as a state of water haves and have-nots, with the haves experiencing few problems while the have-nots try to cope with drought emergencies.

Within Local 3's jurisdiction, El Dorado County is the most severe case. Water is so scarce that the El Dorado Irrigation District has imposed a moratorium on new water meters, which means

that contractors will have great difficulty obtaining the necessary building permits to construct new subdivisions. Meanwhile, a short distance away in Sacramento so few water problems exist that houses don't even have water meters. Instead of paying according to usage, Sacramento water customers pay a flat monthly fee that averages just \$9.21 per house.

While Marin County has asked water customers to voluntarily

cut usage by 10 percent, neighboring Sonoma County has no formal water conservation program.

According to Steve McCullough, staff director for the state's Senate Committee on Agriculture and Water Resources, as the drought intensifies this summer, county and city officials in areas with water shortages will become increas-

longer hook into hydrants next to job sites. Instead, they must use reclaimed water, which is frequently found at greater distances from construction sites.

Norm Forgey, a superintendent for Granite Construction in Santa Clara County, says the switch from potable to reclaimed water will drive up construction costs. Before water rationing, Granite purchased water from hydrants for about 80 cents per 1,000 gallons. Now the company is paying up to \$2.50 per 1,000 gallons for reclaimed water.

"I haven't seen any jobs pulled because of the drought," Forgey said. "But I do see costs going up because of water shortages. Larger jobs will definitely be affected. Contractors are going to have to bid higher on certain jobs to compensate for higher water costs."

Instead of the drought raising havoc on the construction industry, ironically it may improve it. California may experience a water system construction boom. City and counties throughout the state are resurrecting old plans buried in files since the 1976-77 drought and reconsidering their options.

In April, a group in Sacramento County began circulating a petition in support of a ballot initiative that would let county voters decide in November if they want to construct a multi-purpose dam that will produce a 2.3

(Continued on page 5)



The Oroville Reservoir in Butte County contains only 60 percent of the water it normally has this time of year.

U.S. Bureau of Reclamation photo

### California's Water Conditions

(percent below normal)

	1987	1988	1989	1990
Precipitation	35	20	20	45
Snowpack water content	80	80	60	90
Reservoir storage	0	17	10	30
Runoff	45	50	20	0
April-July snowmelt forecast	55	65	30	65



## Special Report: The Drought

(Continued from page 4)

million acre-feet reservoir near Auburn. The long-proposed dam would provide recreation, electrical power, flood control and an additional water supply.

The U.S. Army Corps of Engineers is currently studying a scaled-down version of the multi-purpose dam, an 850,000 acre-feet reservoir with an expandable dam.

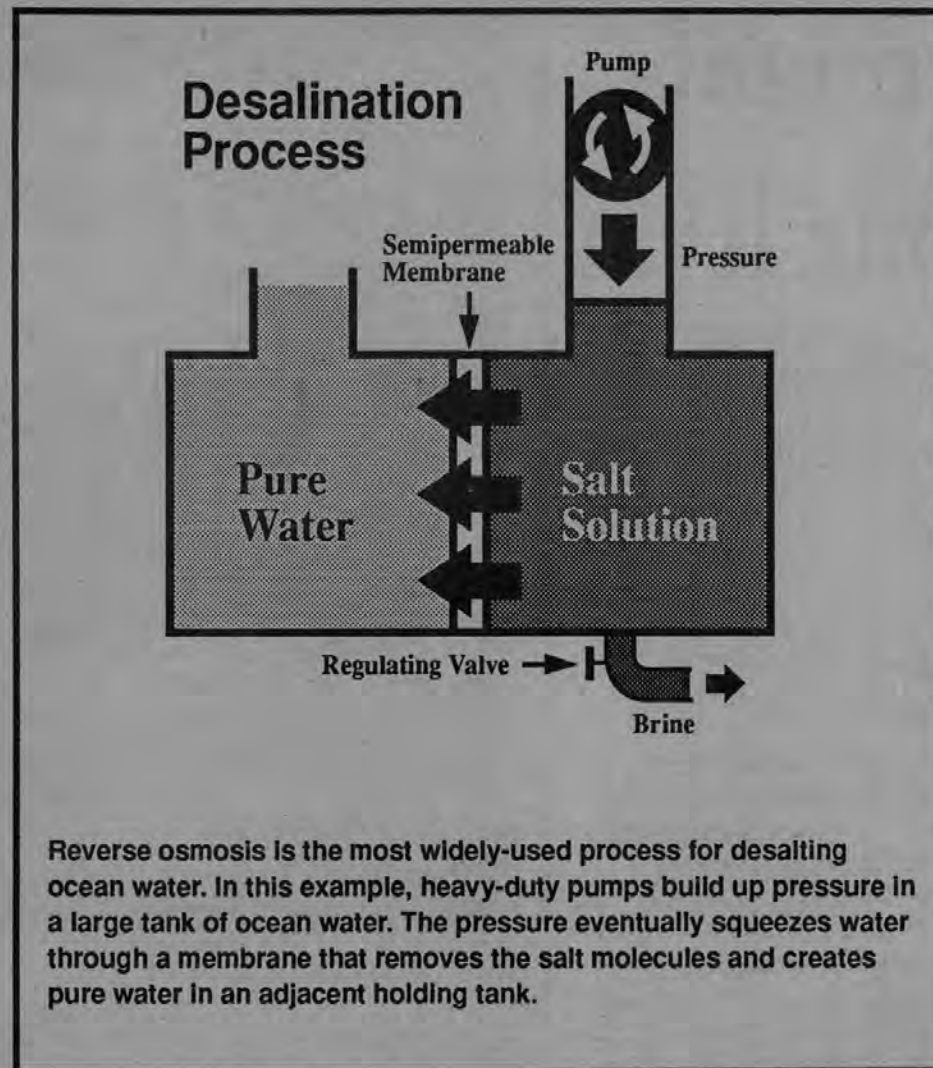
The Palo Alto City Council has revived a 32-year-old plan to construct a dam equal in size to Lexington Reservoir near Los Gatos. Considering the drought, Councilman Jack Sutorius is interested in containing the water and selling it to water purveyors.

Other proposed projects that may be expedited because of the drought include the Los Vaqueros Dam in Alameda County, the Los Banos Grandes Dam in Merced County, the Los Padres Dam near Carmel, and an 86-mile extension of the State Water Project to the central coast. Other districts are considering enlarging spillways at existing dams and constructing more pipelines. The Monterey County Board of Supervisors is thinking about building a 2.2-mile inter-lake tunnel between San Antonio and Nacimiento reservoirs.

In the aftermath of the 1976-77 drought, dam construction became a heated issue between environmentalists and water district officials desperate to find new water sources. Sonoma County's Warm Springs Dam, built in the early 1980s after considerable environmental opposition was credited with minimizing flood damage during a severe winter storm in 1985. The dam is also partly responsible for Sonoma County's rosy water supply during the drought.

Marin County's Soulejule Dam, whose construction was expedited following the 1976-77 drought, has helped the county maintain a water cushion throughout the current drought. Without the dam, county residents would probably be facing mandatory water rationing. "Water districts face tough decisions," McCullough said. "But in light of the drought these dams are going to have to be built."

In general, Californians believe that maintaining an adequate water supply is one of the state's biggest problems, second only to drugs. According to a recent survey conducted by the



Field Research Institute, 81 percent of Californians favor additional water storage facilities, with 40 percent saying the need is urgent. In fact, Californians are more concerned about an adequate water supply than they are about the environment, with 86 percent favoring new water storage facilities even if they affect the local environment.

One of the most exciting developments emerging from the drought-stricken California coast is desalination. Once thought to be far too expensive, several coastal cities and counties see the Pacific as the key to their water future.

If all goes as planned, Santa Barbara, one of the hardest hit areas of the state, could become the nation's first city to use a large-scale desalination plant as a major source of water. The city is considering building a plant that would begin delivering 2,500 acre feet of fresh water a year beginning in September 1991, with the plant's output doubling within three to five years. Without the plant, the city

will face a staggering 80 percent water shortage by 1992.

The Marin Municipal Water District, facing the prospects of mandatory water rationing, has awarded a \$520,000 contract to Boyle Engineering Corp. of Newport Beach to build a small desalination plant as the first step

towards a full-scale desalting system. Data from the pilot plant, which will produce about 50 gallons of fresh water

a day, will be used to help design a larger plant.

Morro Bay, which relies exclusively on well water, is also considering a desalination plant, fearing that the nearby Diablo Canyon Nuclear Power Plant has been producing fresh water from the Pacific for years. Currently it costs \$210 per acre foot to produce water from Morro Bay's city wells. To obtain water from a near-reservoir would cost about \$357 per acre foot, and to get water from the State Water Project would cost twice that. If the city can build a large plant and

ain lower financing, a desalination system could produce fresh water for slightly less than \$1,000 per acre foot. (An acre foot is equivalent to the amount of water needed to flood an acre of land one foot deep or roughly the area of a football field.)

San Luis Obispo and Monterey are also considering desalination.

Some people in the construction industry fear that local governments in severe drought areas will begin to restrict long-term development. But most planners contacted by *Engineers News* disagree with this scenario. With improved conservation, distribution and planning, many areas can solve their water problems and maintain adequate supplies even during drought years.

Had El Dorado County better anticipated its 66 percent population increase since 1980, its current water problems probably wouldn't exist. In 1986, the El Dorado Irrigation District projected that its small reservoirs could provide sufficient water, so no attempt to connect into a larger source near Sacramento was sought. Now some 7,000 lots are connected to dry water mains in a 215-square-mile area served by the district.

In contrast, Santa Clara County, one of the fastest growing areas in the state, has averted growth restrictions by carefully feeding its ground water aquifers from reservoirs. In other drought-stricken areas, water fortunately can be diverted from other projects until the drought subsides or ends.

The Hollister Water District in San Benito County, for example, wants to build a water treatment plant so it can bring water from Mount Shasta and neighboring San Juan Bautista, whose extra water could supply Hollister with half its need.

Californians, particularly in the Bay Area, are showing that they indeed can conserve water if asked. A survey of water agencies in seven Bay Area counties indicates that the public seems to be responding well to mandatory and voluntary water conservation programs. Most water agencies are meeting their water-saving goals.

Let's hope these measures can help maintain business-as-usual in the construction industry until the drought ends.



## Special Report: The Drought

# How the drought will affect our lives

*As California enters its fourth consecutive dry season, few will escape the drought's economic and emotional grip*

**By Steve Moler**  
**Assistant Editor**

**C**ALIFORNIANS NORMALLY greet summer with enthusiasm, but this year the arrival of warm, sunny weather is cause for considerable concern. The end of the rainy season means the state is entering its fourth consecutive drought year.

While the previous three drought years produced minor inconveniences, this year few people will escape the drought's emotional and economic grip. According to drought experts, the public can expect to feel the following drought effects:

- Mandatory and voluntary water rationing in some areas.
- Slightly higher unemployment, particularly in the agriculture sector.
- Higher prices for utilities and agriculture products.
- Decreased recreational opportunities.
- Extremely high fire danger.

"As corny as this may sound, water is life," said Local 3 Economist John Hendricks. "And the drought is going to give us second thoughts about wanting to be Californians. The drought is reviving the old notion that California is a desert state."

If you use runoff from the Sierra Nevada as an indicator, California is entering one of the driest years this century. The Sacramento River, the largest in the state, will carry only 45 percent of its usual volume this year, 8.6 million acre feet compared to a normal 18.9 acre feet. (An acre foot is equivalent to 326,000 gallons or the amount of water needed to flood a football field one foot deep.)

Without question, the state's

hardest hit areas are the central coast from Ventura north to Santa Cruz and El Dorado County east of Sacramento.

With city reservoirs nearly empty, Santa Barbara has enacted the state's harshest water rationing laws. It's now illegal to water lawns, and the city requires plants and shrubs to be watered using pails and buckets. The average monthly water bill for a single-family home in Santa Barbara has jumped from \$22 to \$135.

Numerous other cities and counties throughout the state have been forced to impose water conservation programs: San Francisco has 10 percent mandatory rationing, East Bay MUD is asking for a 15 percent voluntary cutback, Santa Clara Valley is on 10 percent voluntary rationing, and the U.S. Bureau of Reclamation's Central Valley Project is cutting back 50 percent.

California needs to conserve all it can because the state consumes about 11 trillion gallons of water a year, enough to put the entire city of San Francisco nearly a quarter mile under water. About 85 percent goes to agriculture, the largest industry in California.

The most serious concern from an economic standpoint is the farm-rich San Joaquin Valley, where the world's largest concentration of irrigated crop land lies. As the drought intensifies and less water is available, farmers are forced to take land out of production. This decreases supply



U.S. Bureau of Reclamation photos

Because of the drought, recreational opportunities will diminish. At Folsom Lake, the Brown's Ravine Marina (below) has been closed because of low water. An aerial photo of the marina taken in 1982, an above average rainfall year, shows the facility in full operation. When the Auburn Dam is completed upstream, Folsom's water level will fluctuate much less, allowing all the lake's marinas to stay open year-round.



and increases demand, resulting in higher prices.

In the Westland Water District in Fresno County, 25 to 35 percent of the land lies idled because there's not enough water to irrigate. Tomatoes and melons, which need lots of water, may be more scarce this summer, with prices rising accordingly. Food prices overall are expected to rise about 3 percent because of the drought.

Because water supplies from the state's two major water projects have been halved, farmers are pumping unprecedented amounts of ground water. In a normal year, farmers in the San Joaquin Valley pump water from

30- to 50-foot-deep wells at a cost in electricity of \$3 to \$6 per acre foot. Today farmers are pumping from those same wells at depths of up to 600 feet at a cost in electricity of \$60 to \$70 per acre foot. These costs are expected to be passed on to consumers in the form of higher produce prices.

Elsewhere in the San Joaquin Valley, cattle ranchers are sending animals to slaughter earlier, at lighter weights, because the drought has shrunk pastures and reduced drinking water. Production is down from last year and still falling. Ranchers can switch to hay and feed grain, but that increases costs. Alfalfa that nor-

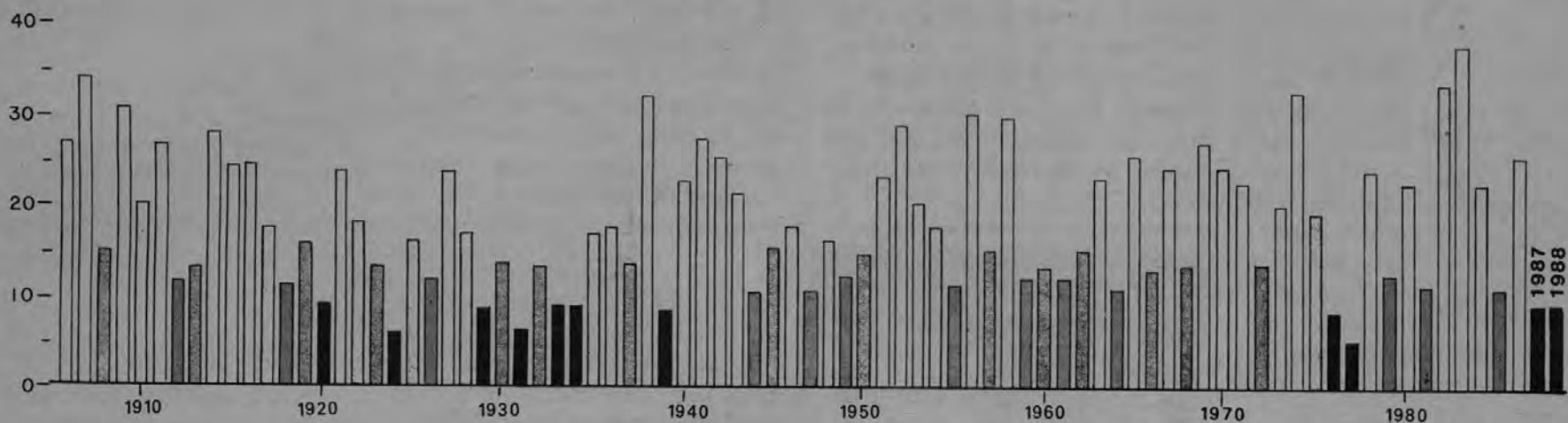
(Continued on page 7)



## Special Report: The Drought

### Sacramento River Basin Flows

(millions of acre-feet per year)



The above graph shows the amount of combined runoff from the Sacramento, Feather and Yuba rivers for the past 82 years. These measurements, called the Sacramento River Index, tell water experts what condition the state's water supply is in. Below 10 million acre feet is considered "critically dry." As you can see, droughts have been fairly random since around the turn of the century. Just five years ago, California had one of its wettest years.

(Continued from page 6)

mally sells for about \$100 a ton this time of year is now going for around \$150 a ton.

Just in the Westland Water District alone, a 400,000 acre-foot supply shortage is expected, resulting in an estimated loss of \$200 million due to decreases in farm income. Fresno County is expecting a half-billion dollar loss from unemployment and decreased agriculture production. The 1976-1977 drought, the worst in California's history, caused an estimated \$2.4 billion in economic losses. Officials fear that the current drought may cause losses equal to or surpassing the 1976-77 figures.

To compound these problems, an unseasonable Memorial Day weekend rain caused severe damage to the cherry, strawberry and apricot harvests in the San Joaquin Valley, causing millions of dollars in crop losses. About 19,000 pickers, packing house employees and other farm workers lost their jobs because no fruit was left to harvest.

In addition to agriculture, forestry is expected to suffer during the drought. State officials believe as much as 12 billion board feet of drought-weakened forest, enough wood to build houses for half the population of Los Angeles, could fall victim to fire or disease this year, double last year's losses. Fire officials are preparing for perhaps the

worst fire season in the state's history.

Local 3 members can also expect recreational opportunities to diminish. Besides lower reservoir levels, hunting and fishing in some areas could be restricted. Dramatic cutbacks in water for

might be greatly reduced. The U.S. Fish and Wildlife Service won't make any final decision on bag limits until breeding success rates and bird migration have been determined in late July.

From a hydroelectric standpoint, 1990 is shaping up as the

force us, once again, to re-evaluate our lifestyles. "There has to be a new way of thinking about water," Hendricks said. "We have to start thinking about methods of conserving water."

Bay Area water officials say the public seems to be responding well to mandatory and voluntary water rationing, with water-saving goals being met in most areas. For example, from April 1 to June 5, Marin County water usage was 23.6 percent less than the amount used in the same period in 1986-87.

Water conservation, Hendricks says, can start with plumbing and landscaping. "The years when rain birds sprinkled lushly landscaped yards and highway medians have passed," Hendricks said. "We need to take a closer look at using indigenous plants for landscaping and installing toilets and showers that don't use as much water."

San Diego has already taken the lead by passing an ordinance requiring all new construction projects to be landscaped with drought-tolerant plants. And the Santa Clara Water District is considering rewarding people with rebates for installing ultra-low-flush toilets. Other drought-stricken cities and counties are paying residents to tear up their lawns.

These conservation measures and others could help us endure the drought until rain comes—whenever that will be.



Lexington Reservoir near San Jose has been closed to boating and swimming because of low water.

Northern California's wetlands will leave waterfowl migrating from Canada with half the water they need for survival this fall. With ponds shrinking and ducks crowding onto smaller areas, diseases such as avian cholera and botulism could break out.

Some speculate that the waterfowl season might be curtailed, refuges might be removed from hunting, or bag limits

worst of the four drought years. Power companies expect up to 50 percent reductions in hydroelectric power in Northern California, and companies will have to import power from other western states. As a result, utility companies are warning customers to brace for higher electric bills.

But when it's all said and done and the drought passes, most experts believe the drought will



## FRINGE BENEFIT FORUM

By Don Jones, Fringe Benefit Director



Thanks to all the members and spouses who attended the special round of meetings regarding the health crisis is the United States and its effect on our health and welfare plan.

Drastic increases in costs due to, among other reasons, medical inflation, higher volume of claims, and shrinking reserves prompted us to call the meetings to get your input on how to effectively deal with the crisis.

And your response was overwhelmingly in favor of maintaining the current level of benefits, even if costs 62 cents an hour or more out of the next negotiated increase.

The results of the questionnaire completed by 1,205 members during this round of meetings was as follows:

- 1,143 members voted to maintain the current level of benefits, even if it costs 62 cents an hour or more out of the next negotiated increase.
- 20 members voted **not** to increase contributions, but to reduce benefits to bring costs in line with income.
- 42 members voted to increase the contribution rate by an amount less than 62 cents an hour and reduce benefits only moderately.

Question and answer sessions during the meetings reflected the concerns we all have about our health and welfare plan. We dealt with many issues, including careful scrutiny of medical bills, cost of malpractice insurance and its overall effect on prices, high volume of claims and the importance of catastrophic coverage versus payment of first-dollar benefits.

We also dealt with the deductible, its present amount and effect on the plan, administrative fees, government influence on plans, political power and influence that can be brought to bear by the Operating Engineers as a union, to name just a few.

One of the frequently asked questions during the round was:

"Why is it that America, as great a country as we are, cannot get a handle on meeting the health needs of its own people?" No one had the answer. The consensus was that we all must stand together to bring about change through political clout. Isn't that what makes us a union and why we call ourselves *brothers and sisters*?

Long-term solutions to the health care crisis are not easy to come by and will probably warrant a total change in the health care delivery system nationwide.

For short-term solutions, though, we all have to keep a careful eye on costs. Although the 62 cents will most likely solve the problem for the current fiscal year, through April 30,

1991, we will be discussing this matter with you from time to time in this column and in other settings during the year. **We will need your constant input and help.**

If you have any questions or comments, call the Fringe Benefit Service Center at (415)431-1568.

## SAFETY

By Jack Short, Safety Director



Not every dangerous act causes an accident. But few accidents would be caused without some kind of dangerous act. For instance, an employee in a large industrial

plant was injured when she dropped a heavy box on her foot. Another employee at the same plant, but in a different department, caught his hand in a press the same day.

These accidents appeared to

have different causes, but basically they were identical. This is because **accidents don't just happen—they're caused**, and in these cases, the cause for both mishaps was an unsafe act. One woman attempted to carry a box that was too heavy for her; the other didn't use the guard provided on his machine.

The causes of accidents can almost always be traced to an unsafe act, an unsafe condition, or a combination of both. So if someone trips over a tool box, similar accidents won't be eliminated by just keeping tool boxes off the floor. The accident's cause must be eliminated by keeping everything off the floor that doesn't belong there.

If we're going to avoid accidents, we should have a pretty good idea of what causes them. So let's consider some of the unsafe acts and conditions that frequently lead to accidents.

Unsafe conditions usually are caused by careless housekeeping, improper loading or piling, defective or broken equipment and guards not on machinery. Some of the more common unsafe acts are: reaching into running machinery, unsafe speeds, and taking chances by not using safety guards and devices. Others include not wearing protective equipment, unsafe tools or equipment, unsafe handling of materials and horseplay.

Unsafe acts are a personal matter. But there are general steps that can be taken to avoid unsafe acts and conditions. First, stay alert on the job and don't let routine or familiarity lure you into carelessness.

Next, know your job. The more you know about your job, the safer you'll be. When an attempt is made to instruct a new employee about his or her job and its responsibilities, other questions may arise. Be sure to talk

to your supervisors.

Everyone has to make personal contributions to safety; otherwise, the best planned safety program won't work. A good start is to follow safety rules. Certain rules in the work place have been made for your protection. Follow them. Just because an unsafe act is not specifically listed as being prohibited, it doesn't mean you should do it.

It's human nature to work yourself into habits. When you break a safety rule, you've taken the first and most important step in forming a bad habit, which can lead to an injury. Good habits, such as noticing unsafe conditions, correcting them immediately or calling them to a supervisor's attention are just as easy to form.

Finally, a very important contribution we can all make is to develop a safe attitude. Recognize that an accident can happen and take the necessary steps to avoid it. This is probably one of the most difficult things to face because most of us have the mistaken notion that it's always the other person who gets hurt. This theory is disproved many times each day when countless people are injured, each of them having assumed it would be someone else who would get hurt. Self-preservation should be enough to inspire all of us to have a positive attitude toward safety, but injury statistics prove otherwise. However, this does not mean it can't be done by using mature, responsible thinking in daily job activities.

When you realize that **accidents don't just happen—they're caused**, you can see that something can be done about them. Let's each do our share in eliminating the causes.

## SEMI-ANNUAL MEETING

Recording-Corresponding Secretary  
William M.

Markus, has announced that the next semi-annual meeting of the membership will be held on Saturday, July 14, 1990, at 1 P.M., at the Seafarers International Union Auditorium, 350 Fremont St. San Francisco, CA.



## TEACHING TECHS

By Art McArdle,  
Administrator

The Northern California Surveyor's Joint Apprenticeship Committee offers a Rod-Chain-level test and a Party Chief-level test for surveyors that have previous experience but who are new to Local 3. Both tests are derived from material offered in our apprenticeship program. The Rod-Chain-level test questions are from the first through fourth periods of the apprenticeship program, while the Party Chief-level test questions are from all eight periods of the program. We encourage all new members to contact the NCSJAC administrations to schedule a testing date. We will send you a confirmation letter along with some sample problems so you will have some idea of the types of test questions.

Upon passing the test, you will receive a NCSJAC certification letter, which can be used as an additional credential when you apply for work with a technical engineer employer. The technical engineer employers, those signed to the Master Agreement for Technical Engineers with Local 3, have set up this testing so it will benefit your future employment. The test is *not* designed to keep an individual from seeking gainful employment; it is designed to keep an individual gainfully employed. We want to keep you working!

The "season" is here, but home sales are flat, water is in short supply and Caltrans is in limbo as to who will have construction staking. When there is a work slowdown, the harder you work and the better qualified you are, the better your chances are of finding and keeping employment. If you are currently an "A" or "B" status journey-level Local 3 member and wish to upgrade your skills, check out the NCSJAC Journey-level Apprenticeship Program or Journey-level Upgrade Program to see what

they can offer. These programs are free to members, except for some minimal fees for curricula



From left to right: Party Chief graduation attendees Thomas Lowe, Joanie Thornton (administrative assistant), Larry Graf, Howard Robinson, Mike Rennick, Charles Nelson, Larry Savio and Dan Irving. Not pictured, Tony Rubio and Rodney Stewart.



Chain level graduates are from left to right: Tak Lau, Celia Racine, Hector Estrada, Ron Austin, Pamela Dougan, Darrin Seiji, Randy Jones, Todd Rakstad, Stan Kangas (chairman, NCSJAC), Tom Stapleton (business manager, Local 3), Theodoro Filipe, Jaime Salcedo, Alexis Soule, Carla Lurie, Chan Park, Dave Loera, Rex Meins, Kevin Stenson, Robert Thornton and Paul Stone. Not pictured, Alpha Mathis, Jose Garcia and Darci Trombetti.

materials. A Certificate of Completion from one of these programs adds to your credentials.

In order to maintain your health and welfare benefits, you must work 100 hours each month, or if you work less than 100 hours, you need to have surplus hours. So be sure to work all the hours you can during the "construction year."

We are working on our curricula for all our apprenticeship periods. Our instructors are contributing written materials, and we are compiling and sending the materials to the Curricula Review Committee and to members of the Joint Apprenticeship Committee. We are in an ever-changing time and need to constantly review and upgrade our curricula to maintain the high quality of apprenticeship necessary to serve our industry.

## YOUR CREDIT UNION

By Bill Markus,  
Treasurer

The U.S. Department of the Treasury requested comments on the nation's deposit insurance

system. The Credit Union National Association (CUNA) responded to the treasury department's request and presented details on the credit union's

health, as well as the structural and financial condition of the National Credit Union Share Insurance Fund (NCUSIF). CUNA reported that not only have credit unions and the federal insurance fund remained sound under the current regulatory insurance structure, but the 1 percent deposit system adopted by credit unions five years ago should also be required for banks and saving and loans instead of premium based systems.

Following the initial deposit of 1 percent in 1985, credit unions have adjusted the amount of their insurance fund deposit each year to accommodate growth. This puts NCUSIF in a better position than the Bank Insurance Fund to weather a catastrophe. A deposit insurance system that has remained sound while other funds have malfunctioned leads to the conclusion that "something about credit unions and their share insurance system works."

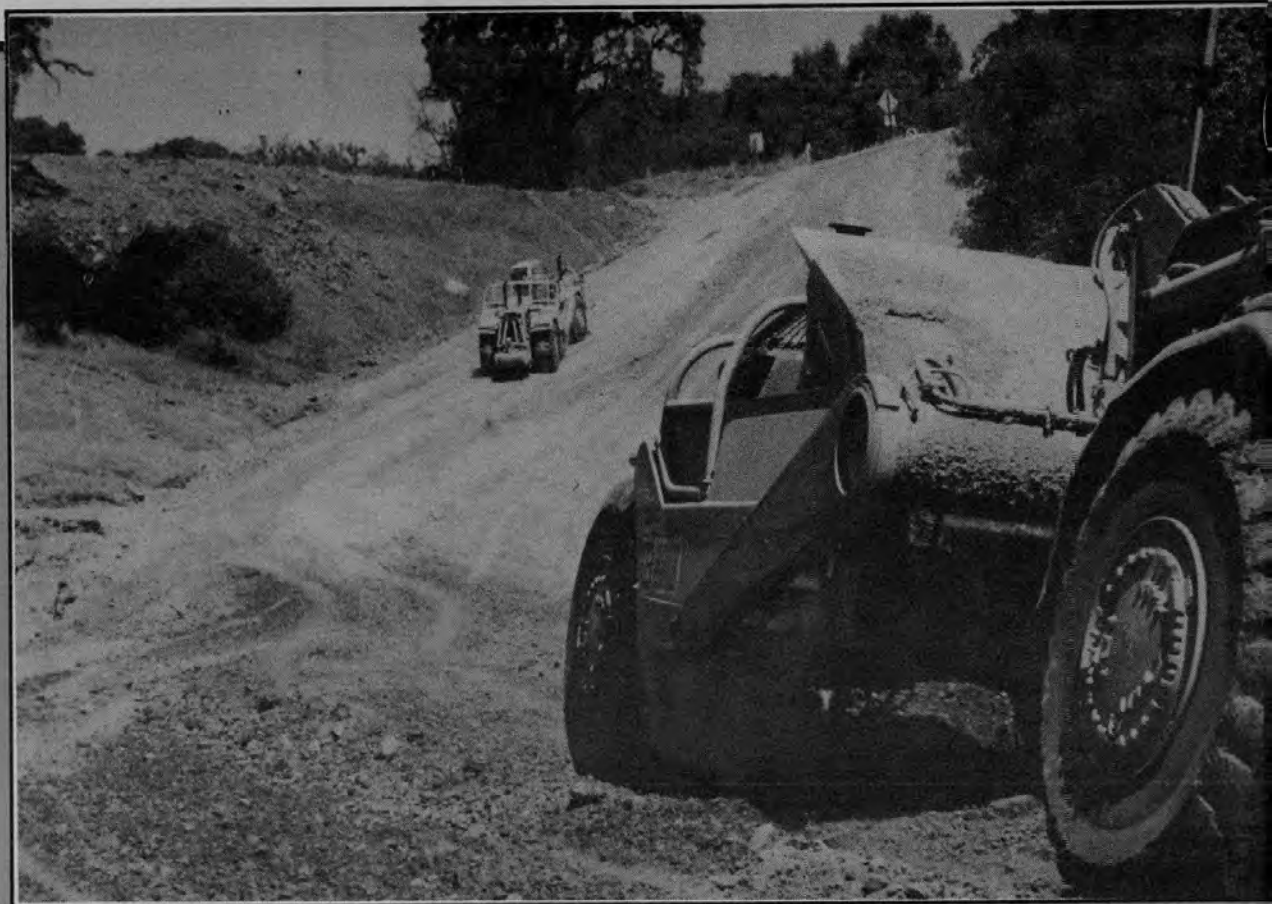
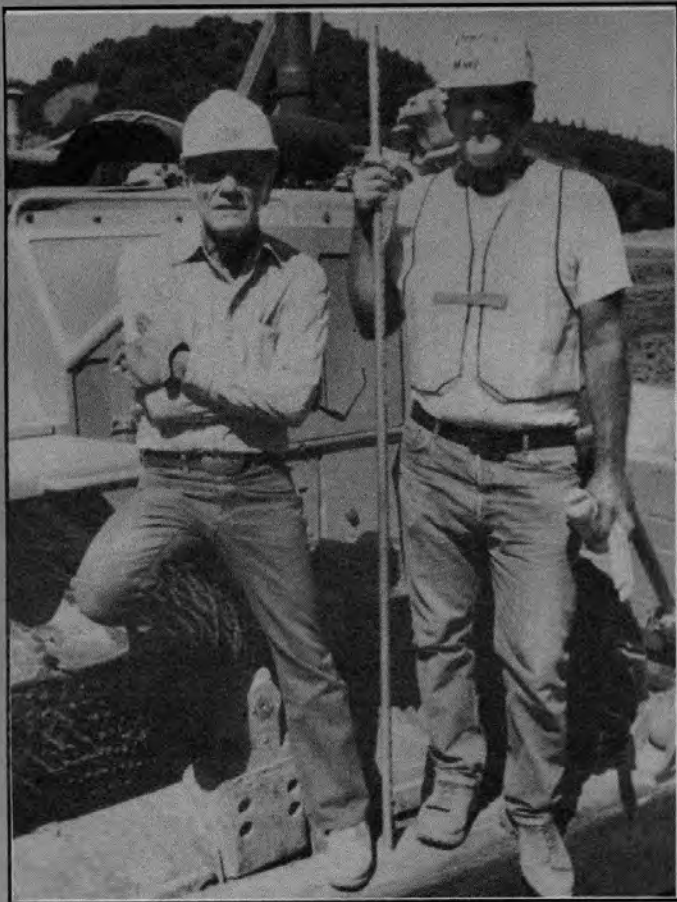


From left to right: Local 3 Business Manager Tom Stapleton; Vice President of Operations Tom Callans, Vice President of Savings Nancy Walker, Local 3 Vice President Jack Baugh, Credit Union President Bill Onesta, San Jose Branch Manager Deborah Steele, San Jose District Rep. Max Spurgeon; and San Jose Branch Rep. Cindy Keef.

Local 3 credit union celebrates grand opening of San Jose branch May 14.

CUNA President Ralph Swoboda suggests a structural reform, requiring other insurance funds to adopt the deposit system. "It's the only way to prevent a recurrence of the FSLIC (Continued on page 18)





Local 3 scraper hands working for Ghilotti Bros. keep the dirt moving on a large fill on the Hwy. 101 near Ukiah. At left are dozer operator Jack Solus and gradechecker Dennis Harland.

*Ghilotti job on Hwy. 101 is no place for the novice*

# Only 'real' catskinners need apply

*Article & Photos by James Earp, Managing Editor*

Now and then you encounter a project that demands everything you've got to get the job done. Those are the kind of jobs you find along Highway 101 in the Redwood Empire. The terrain is rugged. Traffic is always a factor. The earth is frequently unstable. It's tough work and it takes the best catskinners to do the job.

Nobody knows that better than the Local 3 hands working for Ghilotti Bros. on the Hwy. 101 job between Ukiah and Willits. This \$24 million job, which began July 1 last year, calls for widening six miles of highway from two lanes to four lanes, constructing one interchange, two bridges and installing a mile of MSC wall.

Sounds like a pretty routine job until you take a look at where the highway has to be widened — right along the Russian River Canyon. Project Manager Hal Stober concedes that moving the dirt is the most

significant and demanding part of this project.

"We had a lot of dirt to move (2.1 million yards)," Stober says. "It was very tough pioneering. We had some 225-foot fills and 250-foot cuts. We had some pretty hard work to do, but we got it done."

The company's goal was to move as much dirt as possible last year to get ahead of schedule and allow extra time this season for any unexpected problems. According to Stober, Ghilotti worked double shifts last season, using 40 Local 3 operators — most of them running 651 scrapers. By the time they shut down for the winter, the dirt crew had moved over a million yards of dirt and the truck crew had moved another half million yards.

"We're making a real good run at finishing this season, and the projects doesn't have to be done until next September," Stober told *Engi-*

*neers News.*

The scraper shifts, 5 days.

This job, sive use of crete panels you don't ha canyon." St zontally th fill, roughly mesh is 30 out about

One of t 3 member catskinners right up w

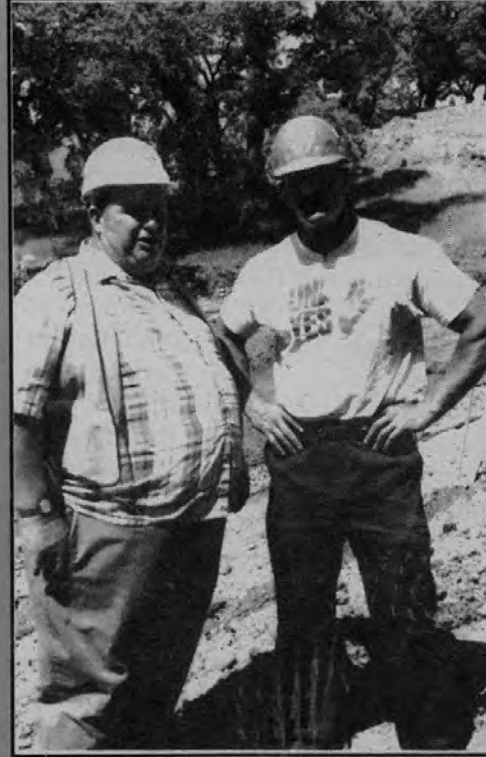
He poin River chan cut a new along this the fill said



Blade operator and 39-year member Carlyle Nelson.



Gradechecker "Billy Joe" Smith.

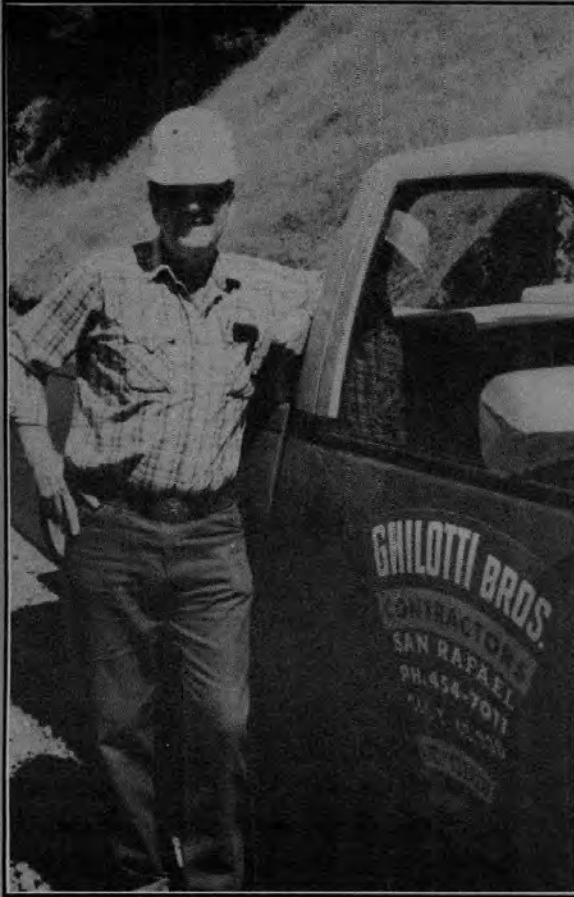


Gradechecker Doug Portlock (left) and Business Agent Bob Miller.

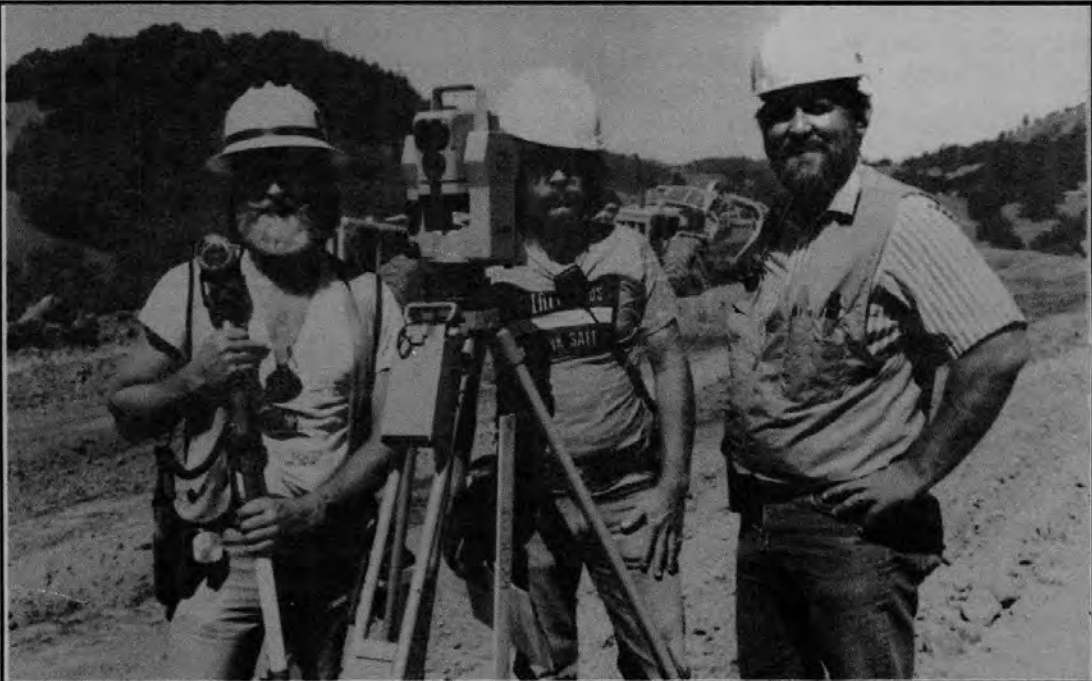


Ron McWilliams on paddles





Mechanics working on Ghilotti's job are (front row) Dennis Becker, Vic Sanchez, Anthony Maggio and Kyle Estes. In the back row are Dave Schmidthans (foreman) and Jim watts. Below is the survey crew (left to right): Bill Telesmanic, Chainman; Steve Jones and Mike Conser, both Party Chiefs. Pictured left job superintendent Manuel Spessard.



Ghilotti is currently working about 25 Local 3 members. hands are on 10-hour shifts and rest of job is on nine hour s a week.

just as the Cloverdale Bypass further south, makes exten- MSC (reinforced earth) walls. These hexagon shaped con- "enable you to do a vertical fill, so if you're along a canyon, ave to worry about the fill going a hundred feet out into the ober explains. The Panels are held by mesh running hori- ough the fill. "The length of the mesh is the height of the " Stober says. "If you're installing a panel 30 feet down, the feet long." As you move up the fill, the mesh, which is laid fter every 30 inches of fill, gets proportionately shorter. ne key hands on this job is Manuel Spessard, a veteran Local -working as superintendent on the job. An experienced himself, Spessard admits the cuts and fills on this job rank th the most challenging ones he's ever had to tackle. s to a huge fill that slopes 250 feet down to the Russian nel. "The river was underneath this fill. We had to go out and hannel for the river." The canyon wall was almost vertical -stretch, he recalls, and the catskinners assigned to pioneer l there was no way they could do it.

"I walked up to the two catskinners and said, 'I know it's steep and I don't want you hurt, but there's a certain way you do steep country and there's a way that you don't. We gotta clear it, there ain't no such a thing as can't. I was in an Army unit in Korea that was named 'Can Do.' I said there ain't no such a thing as 'can't.' You can do anything with this equipment if you do it the right way. You got to cut a road on the 45 and get the timber."

The two catskinners went back and did a first rate job. The pride Spessard has in the Local 3 crew is apparent as he drives by yet another section of the job.

"That was about the most challenging cut that I've had in all my years," he says. "It's steep. The highway was right below us. We had timber that we had to bring down with us. Until we went on a night shift, we were losing pretty near \$4,000 a shift, because Caltrans wouldn't let us stop the traffic. Walt Jackson, one of the finest hands that's ever been in the union pioneered that cut." Spessard says. "We didn't kill nobody and we didn't get no rocks in cars." With more than 30 years in the union, Spessard plans on retiring at the end of this job. He proudly shows the Local 3 50th anniversary gold belt buckle the crew gave him as a retirement gift.



Business Agent Bob Miller (with the Union Yes T-shirt) takes a moment to talk to the dirt crew during lunch break. Included in the group (but not named in order) are scraper hands Harold Scott, Lou Bigham, Charlie Bate, John Kaban-ski, Floyd Hassett and John Smith.



## NEWS FROM THE DISTRICTS

## Gallo moving mountains

SANTA ROSA – I understand that many Local 3 members are avid fishermen, especially in the Lake, Mendocino and Sonoma counties. Now you can help rebuild and preserve our great salmon and have fun doing it by attending the 19th annual World's Largest Salmon Barbecue in Fort Bragg on Saturday, June 30. Your \$9 donation will go to the Salmon Restoration Association of California to ensure future supplies of this lip-smacking treat. This is the "Big One," so don't let it get away.

Speaking of depleting our natural resources, experts are warning that man's impact on the environment is intensifying. Humans have contributed to more environmental devastation in the past 50 years than in the entire 10,000 years of recorded history. Some examples:

- The earth's population will double from 5 to 10 billion people within 60 years.
- Atmospheric gas from pollution is increasing from 3.5 billion to 5 billion tons per year.
- The rate of soil erosion and tropical deforestation is accelerating alarmingly.

All of this devastation isn't going to effect only our grandchildren's generation; it's upon us now.

In the past half-century, life expectancy worldwide has increased 10 percent, infant survival has increased 30 percent, population is up 300 percent, agriculture production is up 500 percent, energy production is up 2,500 percent, and manufacturing is up 5,000 percent. This is an extraordinary record for one species on this planet, these experts say. Here's some of the costs of our progress:

- The amount of forests worldwide has decreased by 16 percent.
- Carbon dioxide emissions are up 25 percent.
- Methane is up 100 percent.
- River sediment is up 300 percent.
- Chlorofluorocarbons, which reduce the earth's ozone layer, are up 1,000 percent.

Over 50 percent of the change recorded in our entire human history has taken place in the last half century. I find this absolutely astounding.

Gallo wineries is changing the face of the land as you drive north on Hwy. 101 at Asti just south of Cloverdale. It has purchased a large tract and has moved in some serious iron: eight 651s, eight dozers, including D-9s, a 16 blade, loaders, packers, tractors, discs, water trucks. Gallo will literally move mountains and fill valleys for the next few years as it shapes the environment for grape production. Although it has been non-union for many years, Gallo management is currently looking at a Local 3 contract. Let's hope we can work together.

Huntington Brothers is shaping our environment in Lake County, as it nears the halfway point of the dirt work portion of the Middletown Sewer Project. Tom Huntington tells me, "We're moving along nicely, compaction is fine, and we are using mostly local operators." Compactor Operator Tommy Huntington, Tom's son, explained, "Although Middletown is a bit shy on girls, it's a good close job for us, not far from our Napa yard and office." Huntington has been a strong union employer for many years. It's really a pleasure to work with them in the some-

what non-union area of Lake County. It's nice to see all those Local 3 stickers proudly displayed.

There's some bad news for our smaller contractors. Caltrans, which has a very extensive labor compliance program, will no longer require prevailing wages for contracts under \$25,000. This new law, Assembly Bill 114, took effect in January. I expect it to open up a whole can of worms. I hope our union will be able to make headway for some kind of retraction or nullification. We must always remember that historically—and in many



It doesn't take much to amuse Local 3 business agents, as this photo testifies. Santa Rosa BA Bob Miller found this old cable driven scraper near Ghilotti's job in Willits, and it made his whole day!

other ways—our small contractors are the backbone of our union power.

In conclusion, the work picture remains bright despite our recent and

unseasonal soaking over the Memorial Day weekend. Another good year is shaping up.

Bob Miller,  
Business Rep.

## Tick common to Sonoma County transmits Lyme Disease

SANTA ROSA – I know you members *don't* want to hear that it rained between 2 to 4 inches in Sonoma County over the Memorial Day weekend and stopped most of the work in the Santa Rosa area, but it did.

You *do* want to hear that our union contractors were low bidders on the following jobs:

- Don Dowd Company: \$2 million publicly funded job in Petaluma.
- Ghilotti Brothers: \$200,000 job at Santa Rosa Junior College.
- Cagwin and Dorward: \$250,000 job for the city of Santa Rosa.

We'll know in early June if union contractor K.G. Walters will be awarded the \$6 million wastewater reclamation plant in Shellville.

You *don't* want to hear about Lyme Disease. But it's something you should know about, especially if you are working in any shady, moist or grassy

area frequented by deer. This warning is particularly directed at surveyors and grade checkers. The western black legged deer tick—*Ixodes pacificus*—is common in all parts of Sonoma County and is the only tick known to transmit Lyme Disease in California. The organism that transmits the disease, *Borrelia burgdorferi*, is found in only 2 percent of ticks. Persons bitten by any tick should contact their physician if they develop a rash, fever, headache, weakness, swollen or painful joints, or other serious symptoms. The Sonoma County Public Health Department performs tick identification and blood testing, but it doesn't examine the ticks for *Borrelia burgdorferi*. The tick has a red body with black legs.

I know you *do* want to hear that we started an organizing campaign for FEDCO Construction.

Andy Mullen, an organizer from San Francisco, has helped research FEDCO. We have met with union contractors that are in direct competition with FEDCO and have developed an understanding of how FEDCO affects the construction industry. By press time, we should have met with FEDCO management. I will let you know the results in the next issue of *Engineers News*.

I know you *don't* want to hear that we make mistakes, but we do. In the last issue, Don Dowd's school job in Rohnert Park was printed as a half-billion dollar project when, in fact, it was a half-million dollar job. Sorry about that.

Lastly, I know you wanted to find out when the district picnic will be. It's planned for Sunday, Aug. 5 at Lake Sonoma. Details will follow.

George Steffensen,  
Business Rep.



# NEWS FROM THE DISTRICTS

## Plant pours out concrete

About 20 Local 3 operators are working under at this plant off I-680 on Calaveras Road.

The plant started in 1962 as Santa Clara Sand and Gravel and was owned by MacDonald and Dorsa. R. K. Humphries owned and managed the plant from 1963 to 1985, before it was purchased by Lone Star.

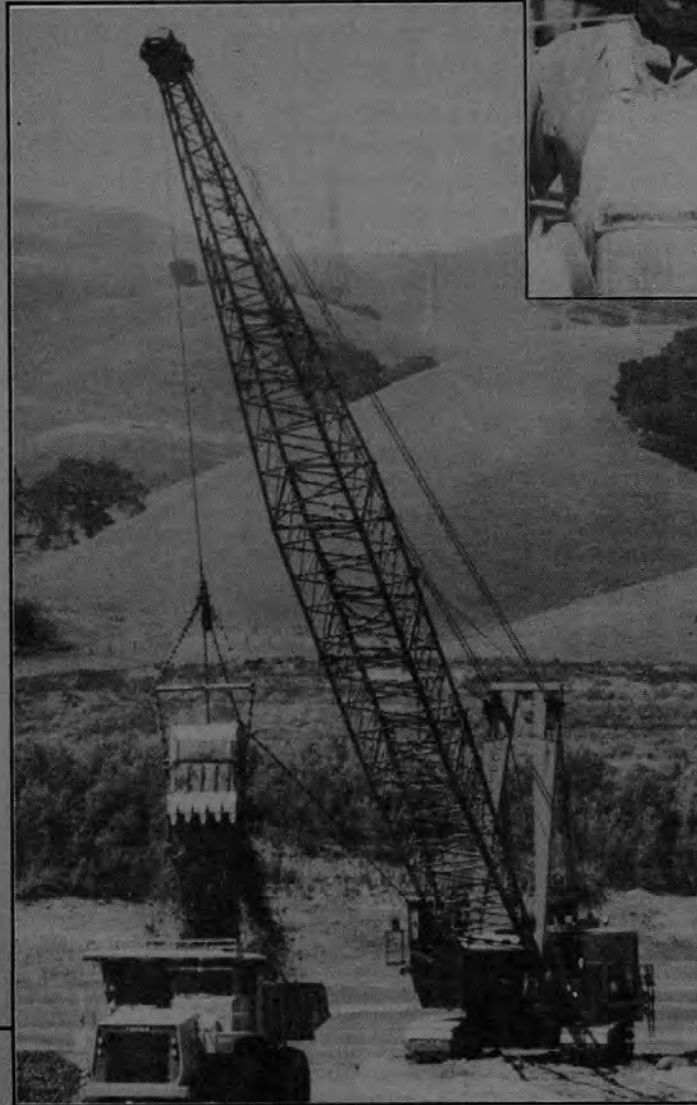
The plant puts out between 400 to 500 tons of concrete aggregate, asphalt aggregate, base and filter material per hour.

A 4600 Manitowoc crane is removing virgin material from a pit, creating a 140 foot deep water storage reservoir for the City of San Francisco. We hope there will be enough material to keep our hands busy here for the next 20 years.

*Brian Bishop  
Business Rep.*

Dragline loads a haul truck in the pit area at the Lone Star concrete plant.

Lone Star cement plant off I-80



Mill Operator/Mechanic Dean C. Brooks



Mill Operator Steve Miller



Swing Shift Mechanics,  
John Scanlan &  
James Bonner

Loader Operator Lorry Gronley



Loader/  
Haul Truck  
Operator,  
Ralph Dakin

Plant  
Foreman  
Charlie  
Boarts

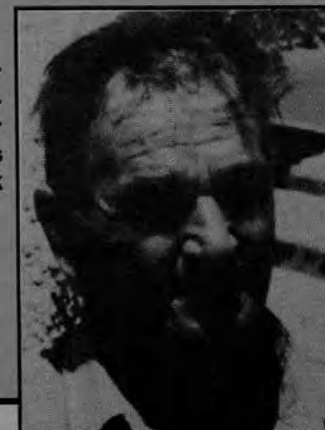
Loader/  
Haul Truck  
Operator  
Brian  
MacDonald



Loader Operator  
and Steward  
Vincent Wozni-  
ca and Dozer  
Operator Marvin  
Edwards



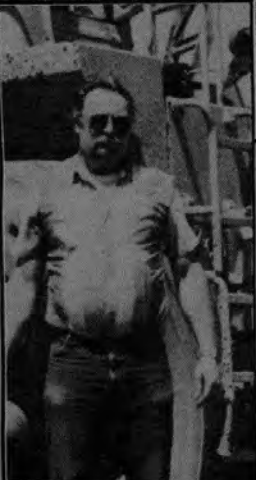
Loader  
Opera-  
tor  
Charles  
Pack



Weightmasters Colleen Colenso & Yoshio  
"Yosh" Fujimoto

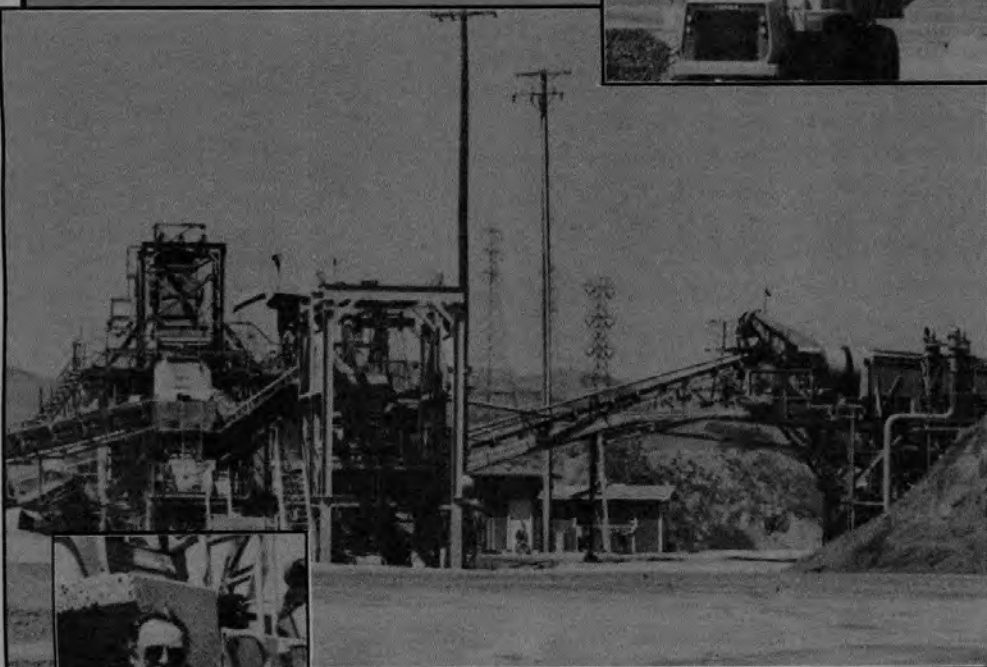


Dragline oilers, Jack  
Barba, & Alvin Fisher



Loader/Operator  
"Gil" Green

Plant - \* Note Operator Steve Miller in center of photo





## NEWS FROM THE DISTRICTS

# Tough negotiations win new Utah contract

**SALT LAKE CITY** — After difficult negotiations this spring and a month-long Seattle, Wash. meeting, Kennecott's 13 local unions reached a tentative agreement.

It wasn't easy! For awhile it looked like talks were going to break down and we would face a possible strike. It wasn't until the 11th hour on the last day that we finally got something to present

to the members. Even then some controversy arose. The company gave us its last proposal, and the negotiating committee from all the local unions voted to determine if that proposal should be brought back for a membership vote. But the union negotiating committee decided against it.

The Operating Engineers voted against bringing back the proposal because we had negotiated a

new skills training and testing program in the dozer department during local negotiations with the mine manager. Both sides had agreed to the new training program only to have the human resource director and the company's two attorneys take the program away from us at negotiations in Seattle. The company's last offer excluded this new program.

This new program

would give Operating Engineers the possibility of a \$4.13 per-hour raise when the average increase was \$2 an hour.

This is when Richard Napolis and I made a last-minute effort to change our vote and bring back the offer if the company would agree to our program. We held up the agreement, which affected 2,000 employees, until we got what we wanted.

There was a lot of pres-

sure and heated feelings because many representatives on the union negotiating committee didn't want this proposal coming back. Fortunately, we had the swing vote.

The company accepted the Operating Engineers' demands, and we changed our vote, which definitely benefitted our members.

This is the first time since job evaluation came into the contract 20-some years ago that any union successfully negotiated a higher raise than the across-the-board raises in any particular classification.

## No treatment best treatment for back pain

**SALT LAKE CITY** — The following are opinions from an interview with Dr. Henry Feffer, professor of orthopedic surgery at George Washington University and director of medical research for HCX, Inc.:

In any one calendar year, about 86 percent of this country's adult population will suffer a "back attack." Only headaches are more common. In the United States, there's great pressure on physicians to treat back pain with drugs, ultrasound, injections, even surgery, when the patient will get well with the help of nature and without intervention and the accompanying risk of complications. Instead of avoiding back pain, what we should try to avoid is back pain disability.

Research indicates many traditional treatments are ineffective and, in fact, can be dangerous. For instance, two weeks of absolute bed rest is extremely harmful, reducing bone calcium by 6 percent and a loss of strength that could become permanent. American doctors perform 20 times the spinal fusions done in any other countries. Many of these procedures are unnecessary.

Sophisticated diagnostic devices are so sensitive nowadays they often give meaningless results, which is a problem. Bulging discs, for example, are a wear-and-tear phenomenon. If you're over 40, you're going to have a bulging disc. Don't have surgery to correct it because it's probably not necessary.

These imaging devices also have a high false-positive rate. Up to 37 percent of the people who never had a backache could have a positive CAT scan, one-third could have

a positive MRI scan and 25 percent could have a positive myelogram. These findings may have nothing to do with a person's backache.

In cases of obvious injury, such as a compression fracture resulting from a 20-foot fall or a ruptured disc, acute care is needed immediately. An actual disc injury will cause leg pain, usually below the knee. If such pain hasn't run its course in about six weeks, surgery is an option. But for typical back pain—even severe—the first thing to

do is nothing.

The pain will be relieved by lying down with the knees propped up. But it's important to get up and move around as much as possible. Sitting is the worst thing to do, because it puts more pressure on the back than standing or even jogging. If pain relief is necessary, use simple, over-the-counter preparations, such as aspirin or aspirin substitutes.

Indications that patients receiving back treatment may be getting inappropriate care include:

- Excessive medication, bed rest or physical therapy.
- Any surgery immediately after the onset of back pain.
- Spinal fusion as a relief for disc herniation.
- Non-standard treatment, such as injecting papaya extract into disc material.
- Any exploratory back surgery. There is no surgery for back pain, and anyone telling you otherwise is not being truthful.

Assume you're going to get well soon. There's a 95-percent chance you'll be right.

Utah District Office  
Kaelynn Tuckett

Local 3 members came out on top, with our members gaining more money from these negotiations than members of any of the other local unions involved. Shovel department members received a \$3.31 per-hour increase effective July 1, a 20-cent increase effective July 1, 1991, and a 30-cent increase effective July 1, 1992.

The dozer department members will receive the following increases effective July 1:

- Operator I - \$2.58 per hour.
- Operator II - \$3.34 per hour.
- Operator III - \$4.13 per hour.

Effective July 1, 1991, a 26-cent increase will be given, and the same increase will go into effect July 1, 1992.

Also included for early ratification was a \$3,000 bonus with increases in pension and travel time included in the listed increases.

Now our goal is to implement these increases into the Barney's Canyon Agreement for members employed there who really need it.

George Stavros,  
Business Rep.

## UTAH RETIREES

The Fringe Benefit Service Center has informed the Salt Lake District office that Littlefield Hearing will no longer be under contract with the Operating Engineers to provide testing and hearing instruments for retirees and their spouses.

If you decide you are interested in using a hearing aid, please contact the AHI in Petaluma, Calif., at the following toll-free number: 1-800-322-4327. This organization should have any information you need and it will set up an appointment with the people in Utah who are participating in the program to provide testing and hearing aids for retirees.



## NEWS FROM THE DISTRICTS

# Work in Yolo County still slow Mining runs smoothly

SACRAMENTO — Work in Yolo County and the north side of Sacramento hasn't picked up yet. Some Teichert and Son's dirt crews have only been working three to four days a week. The company currently has two subdivisions going, one in Davis and another in West Sacramento. Teichert is also doing some levee work around the deep water channel in West Sacramento.

Kiewit Pacific has begun its \$9 million project in Woodland, mostly underground work with some road construction. The subcontractors are: M & M Electric (electrical work), Porter Concrete (concrete), and R.C. Collet (paving). This will probably keep about 20 operators busy during the year.

Elsewhere, Kiewit Pacific is still busy at its Lighthouse Marina project, which also has about 20 operators working, that is, when it's not raining.

Ghilotti Brothers of San Rafael was the low bidder, at about \$1.7 million, on a project on Main Street in Woodland. The company will be keeping four to five operators busy this summer. This is the first time Ghilotti Brothers has picked up work in our district that I can remember. We're glad to see Ghilotti, a good union contractor, bidding work in the Sacramento area.

All the rock plants are busy on Cache Creek, with Granite Construction and Syar Industries running two shifts. Solano Concrete is running 10 hours a day with some work on Saturday.

Grade-Way Construction is busy working at the new post office off Industrial Avenue in West Sacramento.

The Sports Association seems to be running out of money at the Arco Sports Stadium, and it will be re-

bidding Phase II of the stadium. Continental Heller is the general contractor for Phase I. At the present time, Reliable Crane, with two rigs working, is about the only one going out there.

Layne-Western of Woodland, which is busy

throughout Local 3's jurisdiction, has just hired six new employees. SMA Equipment of West Sacramento seems to be staying busy; it has about 23 operating engineers working in its shop.

*John Bonilla,  
Business Rep.*

## Elko Potluck

ELKO — Good food was shared at a potluck dinner held April 6, by the members of Operating Engineers Local Union No. 3 employed at Newmont Gold Mine. The purpose of the dinner was to become better acquainted with members and their families. Non-Shop talk was encouraged by fining those caught discussing work. The potluck produced a lot of joking and



helped cover the cost of the VFW Hall. We hope to see more of the members attend next time.

*Beth Cummins  
Elko, Nevada*

## Elko Softball



### They're at it again!

Local 3's womens' softball team in Elko is beating a hot trail around the base paths to best their great season of last year, when they finished up the fast pitch league with a second place finish. They may just do it, too! They started the current slow-pitch season with a bang, winning their first two before losing a game to Newmont Gold. If they keep playing the way they have been, we may have to negotiate free agent salaries for some of them!

BATTLE MOUNTAIN— Things have been running pretty smoothly at Battle Mountain Gold and Basic Inc.

The second half of the Battle Mountain Gold Theft arbitration will be on June 27 at the Red Lion in Elko. I'm sure it won't be quite as exciting as the first half, as we are not expecting the F.B.I. to attend, at least not as many as during the first half of the arbitration.

At Basic Inc. work is picking up as it readies the kilns to start up. Basic has hired over 10 new employees in the last month. We do have one arbitration coming up at Basic on lay off proce-

dures. Repeated attempts by the union and the company to solve this problem have failed. Local 3 and Basic are at this time picking an arbitrator.

On a lighter note the entire town is getting ready for the big Charlie Pride concert on September 1, where well over

3,000 people are expected to attend. This may not sound big to some, but for a town with a population of 500 and only nine motel rooms it's an invasion.

This huge three day celebration is being put on by one of

the wives of a Local 3 member and those of you wishing to attend can call Vicki at Gabbys at (702) 285-4249. Part of the proceeds will go to worthwhile organizations in the town of Gabbs to help the entire community.

Our Elko County Jefferson Jackson dinner held by the Elko County Democratic Committee once again turned out to be the States biggest.

We are beginning to show the politicians that we are someone that they had better listen to. District Representative Ray Morgan, presented a 50 Anniversary buckle to Governor Miller on behalf of the union and pledged the local's support in Miller's bid for election for governor this year.

Organizing efforts will be picking up quite a bit in the next couple of weeks as we are starting to receive a lot more phone calls from miners in Nevada that are being treated unfairly. If you have a friend that is working non-union and he or she wants to know more about the union, have them give us a call at our toll free number (1-800-752-0617), and we will be more than glad to come and talk to them about what the union can do for them and their families.

Remember union mining works for everybody

*Delmar Nickeson  
Mining Business Agent*

## Reno Picnic

Reno will be holding its annual picnic this year on Saturday, July 21, at Deer Park, corner of Rock Blvd. and Prater Way in Sparks. There will be no charge for retirees and their spouses, and the regular retirees meeting will be held that day at 11 a.m. at the park. Retirees will be served at noon and the regular festivities will begin at 1 p.m. Tickets are \$7.50 per person and are on sale now. You can purchase them at the Reno district office or through your business representative. The menu will include BBQ beef, beans, salad and garlic bread, along with beer and soda.



# Retirees converge on Rancho Murieta for annual picnic

Photos by Steve Moler



About 3,000 Local 3 retirees (above) gathered under the tent at Rancho Murieta June 2 for the annual Retirees Picnic.



Clockwise around table: Glenn Mallowney, John DeBrum, Maxine DeBrum, Dorothy Cowger and Robert Cowger



Howard and Virginia Rawley (right) dish up plates of roast beef, beans and salad.



While Rancho Murieta staff pull the last rack of roast beef from the pit barbecue (below), Frank Mello and Joe Lopez (left) carve portions for the retirees.



Above: Retiree Ken Shaw and wife Josephine



Fringe Benefit Director Don Jones (above) greets retiree Otto E. Kangas.





The backward force of the crane caused one of the tower's vertical members to snap. Part of the crane's boom (above) came to rest on California Street. Three passengers in the car at left were injured, as were 19 others on the ground.

# Crane collapse

(Continued from page 3)

quent intervals and who took measures to correct hazards. For example, witnesses said the squealing noise heard just before the accident was also heard the day before. An inquiry was made but no corrective action taken.

Equipment failure, a possible cause in the investigation's early stages, was ruled out as the primary cause of the collapse. The fractures produced when the tower's vertical columns failed were caused by a single overload, not metal fatigue.

In the beginning, Cal-OSHA suspected that Boggess may have been impaired or overwrought the day of the accident. But autopsies performed on all four victims showed that drugs and alcohol did not contribute to the accident.

The accident has rekindled the crane licensing debate in California. Following the accident, a wave of crane safety measures hit the Legislature. Among them were Senate Bill 498, sponsored by Local 3, Assembly Bill 2537 and Assembly Bill 3826, which would tighten inspection and permit procedures for crane operations.

SB 498 and AB 3826 cleared

the Assembly Committee on Labor and Employment, and AB 2537 was passed by the Assembly. All three measures probably will be merged into one comprehensive measure and sent to the Governor for his consideration. Several other states, including New York, Connecticut, New Jersey, Montana and Missouri, already have crane licensing laws. Until recently, California legislators have rejected crane licensing. In 1987, Operating Engineers Locals 3 and 12 sponsored a crane licensing bill that was eventually killed.

Local 3 has a rigorous crane operator training program at Rancho Murieta that puts apprentices through a 10-week course and 8,400 hours of on-the-job training. Before becoming a certified journeyman operator, the apprentice must pass a written and hands-on skills test on at least two different classifications of equipment. Boggess completed a similar program through Local 612 in Tacoma.

"A crane is not something you want to operate without expert training," New said. "Cranes are very tricky and touchy. You've really got to know what you're doing to operate them safely."

## Union Briefs

### Embarcadero Freeway won't reopen this year

Caltrans' rejection of a \$79 million bid to repair the south end of the earthquake-damaged Embarcadero Freeway almost guarantees that the route won't reopen this year. The only bid received, which was submitted by Guy F. Atkinson Co. of South San Francisco, was more than triple the agency's original estimate. Now the agency will have to re-evaluate its options, which include tearing down the structure and rebuilding it or trying to find a lower bid.

The southern end of the highway, known as the Terminal Separation Viaduct, is a critical element in rebuilding the structure. Without the terminal separation, which connects the waterfront section of the Embarcadero Freeway to the Bay Bridge, there is virtually no access to the main portion of the freeway. All plans for the Embarcadero Freeway's future, including San Francisco Mayor Art Agnos' plan to replace the elevated freeway with a submerged expressway, depends on the repairs of the terminal separation, which engineers describe as one of the most complicated pieces of highway construction in the country.

### BART trains zipping across Golden Gate Bridge?

An engineering firm has concluded that the Golden Gate Bridge can safely handle BART trains or the Muni Metro streetcar system on a new second deck.

The report, by T.Y. Lin International, ends a 20-year battle over whether the bridge would collapse under the weight of the trains. One of the reasons Marin County pulled out of BART almost 20 years ago was that engineers could not agree whether the bridge was strong enough.

### Prop. 111 will relieve highway backlog

Over \$500 million in California transportation projects are now on hold due to lack of funds. Last week, the California Transportation Commission added 29 more projects, valued at \$280 million, to a list of work ready for construction but unable to proceed due to the state's transportation funding shortfall.

Without additional financial resources, the state's highway construction backlog will keep growing. Since last October, the beginning of the federal fiscal year, the commission has approved 103 projects totaling \$482 million while delaying action on 105 with a total value of \$511 million. Funding is available mostly for safety work and seismic retrofitting.

However, with the passage of Propositions 111, 108 and 116 in the June 5 primary election, the backlog should begin to shrink once bonds are sold and planners decide which projects to fund first. The three propositions combined will mainline a whopping \$20 million into the veins of the state's deteriorating transportation system over the next 10 years.

### State Supreme Court bruises drug testing policy

The California Supreme Court dealt a severe blow to companies with drug testing programs. Earlier this month, the court upheld an appeals court decision that determined that Southern Pacific Railroad acted illegally when it fired Barbara Luck, a San Francisco computer programmer, for refusing to submit a urine sample in 1985 as part of the company's random drug testing program.

Luck sued in San Francisco Superior Court and in 1987 was awarded \$485,042 in damages. Southern Pacific took the case to the Court of Appeal, which last February upheld the damage award, ruling that the random testing program infringed upon Luck's right to privacy under the state Constitution. The Supreme Court agreed and let the ruling stand as a legal precedent.

The lawsuit was the first private drug testing suit that has gone to trial in California. A surge of lawsuits across the country brought by federal employees has challenged drug testing programs implemented during the Reagan Administration.

## Stockton Picnic

The 8th Annual Stockton Picnic will be held August 5 at the Oakgrove Regional Park (I-5 and 8-Mile Road) from 11 a.m. to 6 p.m. Tickets are \$8 for active

members and \$7 for retirees. Those under 15 get in free. The feast will feature barbecued steak and hotdogs, Italian pasta, salad, French bread, ice cream, and, of course, free beer and soft drinks.



# Credit Union

(Continued from page 9)

debacle and to spare American taxpayers from the possibility of having to provide many more dollars in the future to bail out insolvent, federally insured depository institutions."

So, how safe is your credit union? Very safe! Your savings in the Operating Engineers Local Union 3 Federal Credit Union are federally insured by the National Credit Union Administration (NCUA) for up to \$100,000 per member. Any funds over \$100,000 are insured by the National Deposit Insurance Corporation. Our capital-to-asset ratio is 8.6 percent, which is substantially above most other credit unions. And your credit union has been given the highest rating by the Federal Regulators. So rest easy! Your funds are safe and secure.

The new minimum balance of \$5 makes opening a savings account easy. If you add consistently to your savings, we think you will be pleasantly surprised at how fast it mounts up. You can make savings deposits by:

- Writing a check.
- Transferring funds from your checking to savings.
- Starting a payroll deduction.
- Leaving vacation pay in your savings instead of withdrawing it.

The most important point is to begin a savings program and be consistent with your deposits. It's always a nice feeling to know you have funds available in the event of an emergency.

You say you don't want all your savings in one account? That's no problem. At your Credit Union we have "sub-accounts" so that you can separate your savings. Let's say you want an account for taxes, one for Christmas, one for vacation and another just for regular savings. You can have up to nine separate savings accounts. Start today on saving for your future. You'll find it easier than you think.

## Departed Members

Business Manager Tom Stapleton and the officers of Local 3 extend their condolences to the families and friends of the following deceased:

### APRIL

Robert Andersen of Wendover, Utah, 4/21/90; Virgil Barber of Porterville, Calif. 4/22/90; H.D. Bonner of Fairfield, Calif. 4/19/90; Roger A. Cameros of San Rafael, Calif. 4/28/90; Lee Curtiss of Fresno, Calif. 4/29/90; Thomas Fraser of Jamestown, Calif. 4/14/90; Ed Hogan of Fresno, Calif. 4/18/90; Cliff Johnson of Magalia, Calif. 4/22/90; David Kama of Kamuela, Hawaii, 4/22/90; Earl Lacy of Vallejo, Calif. 4/29/90; Lee Matthews of Sacramento, Calif. 4/23/90; Joe Pratt of W. Sacramento, Calif. 4/21/90; W. Satterwhite of Hanford, Calif. 4/26/90; Anthony Silva of Manteca, Calif. 4/26/90; Loran C. Spencer of Payson, Utah, 4/27/90; Norman Troche of Copperopolis, Calif. 4/23/90.

### MAY

Joseph Anderson of Cedar City, Utah, 5/14/90; Elbert Barker of Lockeford, Calif. 5/17/90; Dave Braegger of Willard, Utah 5/20/90; Frank Davies of Mapleton, Utah, 5/9/90; Jesse Durham of Fresno, Calif. 5/18/90; Tomio Endo of Honolulu, Hawaii, 5/16/90; Jim Estes of San Jose, Calif. 5/9/90; Joseph Giroux of Fremont, Calif. 5/9/90; Michael Higa of Honolulu, Hawaii, 5/21/90; Lee O. Jones of Redding, Calif. 5/4/90; Elmo E. King of Albion, Calif. 5/1/90; Ernest Kundysek of Crockett, Calif. 5/10/90; E.H. Marshall of Merced, Calif. 5/9/90; Floyd Pike of Hansen, Idaho, 5/21/90; Boyd Pollock of Pleasant Grove, Utah, 5/3/90; Hursel Purdom of Sheridan, Ark. 5/23/90; Jesse Rains of Antioch, Calif. 5/19/90; Robert Rein of Rocklin, Calif. 5/3/90; Edward C. Spencer of Santa Rosa, Calif. 5/9/90; L. D. Stepp of Madera, Calif. 5/22/90; Edward Stringham of Salt Lake, Utah, 5/17/90; Raymond Talbot of Castro Valley, Calif. 5/7/90; Robert Vanleeuwen of Elko, Nevada, 5/5/90; Dominick Yetz of San Jose, Calif. 5/6/90.

### DECEASED DEPENDENTS

Geraldine Muller, Wife of Joseph Muller 4/27/90; Donald Lucas, Husband of Dixie Lucas 5/19/90

## OFFICIAL NOTICE: SPECIALLY CALLED MEETINGS

Recording-Corresponding Secretary Bill Markus has announced that amendments proposed by the Bylaws Committee to Article VI (Dues) of the Local Union Bylaws will be presented to the membership in a series of Specially Called Meetings and/or as a special order of business in regularly scheduled District Meetings in each district, pending approval of the resolution by the membership at the Semi-annual Meeting on July 14, 1 p.m. at the Seafarers International Union Auditorium, 350 Fremont St. A secret ballot vote will be taken at each meeting to approve or disapprove the proposed amendments. All members are urged to attend one of these meetings.

<b>EUREKA:</b>	Engineers Bldg., 2806 Broadway	<b>FAIRFIELD:</b>	Holiday Inn, 1350 Holiday Lane
Tues., July 17	3 PM Special Called	Wed., Aug. 15	3 PM Special Called
	8 PM Reg. Dist. Meeting		8 PM Reg. Dist. Meeting
<b>REDDING:</b>	Holiday Inn Convention Center	<b>SUNOL:</b>	Sunol Valley Country Club
	1900 Hilltop Drive		Hwy 680 & Andrade Rd.
Wed., July 18	3 PM Special Called	Thurs., Aug. 16	3 PM Special Called
	8 PM Reg. Dist. Meeting		8 PM Reg. Dist. Meeting
<b>GRIDLEY:</b>	Veterans Memorial Hall	<b>CONCORD:</b>	Holiday Inn, 1050 Burnett Ave.
	249 Sycamore Street		
Thurs., July 19	2 PM Special Called	Tues., Aug. 21	3 PM Special Called
			8 PM Special Called
<b>MARYSVILLE:</b>	Engineers Bldg., 1010 "I" St.	<b>FREEDOM:</b>	V.F.W. Hall, 1960 Freedom Blvd
	8 PM Reg. Dist. Meeting	Wed., Aug. 22	3 PM Special Called
			8 PM Special Called
<b>KAUAI:</b>	Wilcox Elementary School	<b>SAN JOSE:</b>	Labor Temple, 2102 Almaden Rd.
	4319 Hardy Street		
Mon., July 23	7 PM Reg. Dist. Meeting	Thurs., Aug. 23	3 PM Special Called
			8 PM Reg. Dist. Meeting
<b>MAUI:</b>	Waikapu Community Center	<b>FRESNO:</b>	Laborers Hall, 5431 East Hedges
Tues., July 24	7 PM Reg. Dist. Meeting	Tues., Aug. 28	3 PM Special Called
			8 PM Reg. Dist. Meeting
<b>HILO:</b>	Kapiolani School 966 Kilauea Ave.		
Wed., July 25	7 PM Reg. Dist. Meeting		
<b>KONA:</b>	Konawaena School, Kealahakua		
Thurs., July 26	7 PM Reg. Dist. Meeting		
<b>HONOLULU:</b>	Kaewai Elem. School		
	1929 Kam IV Road		
Fri., July 27	2 PM Special Called		
	Puuahale School, 345 Puuhale Rd.		
	7 PM Reg. Dist. Meeting		
<b>MOLAKAI:</b>	Mitchell Pauole Ctr, Kaunakakai		
Sat., July 28	9 AM Special Called		
<b>SACRAMENTO:</b>	Laborer's Hall, 6545 Stockton Blvd.		
Tues., July 31	10 AM Special Called		
	8 PM Reg. Dist. Meeting		
<b>SAN FRANCISCO:</b>	Apostleship of the Sea		
	399 Fremont Street		
Wed., Aug. 1	3 PM Special Called		
	8 PM Reg. Dist. Meeting		
<b>STOCKTON:</b>	Engineers Building,		
	1916 N. Broadway		
Thurs., Aug. 2	3 PM Special Called		
	8 PM Reg. Dist. Meeting		
<b>SALT LAKE:</b>	Engineers Building,		
	1958 W. N. Temple		
Tues., Aug. 7	3 PM Special Called		
	8 PM Reg. Dist. Meeting		
<b>OREM:</b>	Orem City Meeting Hall,		
	56 N. State St.		
Wed., Aug. 8	3 PM Special Called		
	8 PM Special Called		
<b>ELKO:</b>	Stockmen's Hotel,		
	340 Commercial St.		
Wed., Aug. 8	3 PM Special Called		
	8 PM Special Called		
<b>RENO:</b>	Musicians Hall, 124 West Taylor		
Thurs., Aug. 9	3 PM Special Called		
	8 PM Reg. Dist. Meeting		
<b>SANTA ROSA:</b>	Veterans Bldg., 1351 Maple St.		
Tues., Aug. 14	3 PM Special Called		
	8 PM Reg. Dist. Meeting		

## Retirees Association Meetings

<b>Eureka-Alpha Chapter</b>	<b>Concord-Mu Chapter</b>
Tues. July 10, 1990 2:00 PM	Wed. Aug. 15, 1990 10:00 AM
Operating Engineers Bldg.	Concord Elks Lodge
2806 Broadway	3994 Willow Pass Rd.
Eureka, CA	Concord, CA
<b>Redding-Beta Chapter</b>	<b>Oakland-Nu Chapter</b>
Wed. July 11, 1990 2:00 PM	Thurs. Aug. 16, 1990 10:00 AM
Moose Lodge	Oakland Zoo Snow Bldg.
320 Lake Blvd.	9777 Golf Links Rd.
Redding, CA	Oakland, CA
<b>Marysville-Gamma Chapter</b>	<b>Fresno-Theta Chapter</b>
Thurs. July 12, 1990 2:00 PM	Tues. Aug. 21, 1990 2:00 PM
Veterans Memorial Bldg.	Laborers Hall
249 Sycamore	5431 E. Hedges
Gridley, CA	Fresno, CA
<b>SF/San Mateo-Kappa Nu Chapter</b>	<b>Sacramento-Zeta Chapter</b>
Wed. July 18, 1990 10:00 AM	Tues. Aug. 28, 1990 2:00 PM
IAM Air Transport Employees	Laborers Hall
1511 Rollins Rd.	6545 Stockton Blvd.
Burlingame, CA	Sacramento, CA
<b>Fairfield/Napa Chi-Chapter</b>	<b>Auburn-Epsilon Chapter</b>
Thurs. July 19, 1990 10:00 AM	Wed. Sept. 5, 1990 10:00 AM
Holiday Inn Fairfield	Auburn Rec. Center
1350 Holiday Lane	123 Recreation Dr.
Fairfield, CA	Auburn, CA
<b>Ignacio-Chi Chapter</b>	<b>Clearlake</b>
Thurs. July 19, 1990 2:00 PM	Tues. Sept. 18, 1990 10:00 AM
Alvarado Inn	American Legion Hall
250 Entrada Drive	14770 Austin
Novato, CA	Clearlake, CA
<b>Reno XI Chapter Mtg. and Picnic</b>	<b>Santa Rosa-Chi Chapter</b>
Sat. July 21, 1990 11:00 AM	Tues. Sept. 18, 1990 2:00 PM
Deer Park	Veterans Memorial Bldg.
Rock Blvd. and Prater Way	1351 Maples St.
Sparks, Nevada	Santa Rosa, CA
<b>Ceres</b>	<b>San Jose-Kappa Chapter</b>
Tues. Aug. 7, 1990 10:00 AM	Tues. Sept. 25, 1990 2:00 PM
Tuolumne River Lodge	Holiday Inn Park Cen. Plaza
2429 River Lodge	282 Almaden Blvd.
Modesto, CA	San Jose, CA
<b>Stockton</b>	<b>Watsonville-Iota Chapter</b>
Tues. Aug. 7, 1990 2:00 PM	Thurs. Sept. 27, 1990 10:00 AM
Operating Engineers Bldg.	VFW Post 1716
1916 N. Broadway	1960 Freedom Blvd.
Stockton, CA	Freedom, CA



Swap shop ads are offered free of charge to members in good standing for the sale or trade of personal items and/or real estate. To place an ad, simply type or print your ad legibly and mail to Operating Engineers Local 3, 474 Valencia St., San Francisco, CA 94103, ATTN: Swap Shop. You must include your Registration Number. Ads are published for two months. Please notify the office immediately if your item has been sold. Business related offerings are not eligible for inclusion in Swap Shop.

# Swap Shop

FREE WANT ADS FOR ENGINEERS

## Personal Notes...



**Redding:** We wish to express our sincere sympathy to the family and friends of departed brother, Michael Lansdale.

Also, our sincere sympathy to brother, Ken Cunningham on the passing of his wife, Ellen.

**San Jose:** Our sincerest condolences go to brother Melvin M. Bettencourt on the death of his wife Evelyn M. Bettencourt.

**Sacramento:** Congratulations to Gene Griffin and his wife, Jeannie, on the birth of their

daughter, Alexander Gillian, born 5/29, weighing 6 lbs. 10-1/2 oz. and 20" long; Congratulations to Ken Mendoza and Melissa Hibbard on the birth of their son, Jacinto Roy, Born 5/6, weighing 5 lbs. 12-1/2 oz. and 19" long, and to Jim Westphal and his wife, Sue, on the birth of their son, Samuel Morgan, born 5/30, weighing 6 lbs. 10-1/2 oz., and 19" long.

Our sympathies to the family and friends of departed retired Brother Robert Rein.

Sonora. excell location, nice neighborhood, Country atmosphere \$155K, 2girls bikes-Huffu -10 speed, \$65. Boys race track \$65. Guy Peterson (209)532-8607 Reg.#1612603 6/90

**FOR SALE: '84 Chev. 3/4 ton** pick up truck & camper \$10K. Carl Silva 181 Miramontes Rd., Woodside, Ca. 94062, (415)851-0350, Reg.#643069 6/90

**FOR SALE: 2 + acres,** Capay Valley, Ca. Hwy. 16, 2bd./1ba. approx. 1200 sq. ft. Home. Lg. livrm/insert, hwd floors. Barn with shop area, 220 wiring. Well & ag water. Orange & walnut trees, grapes. \$189K. Denise or Kenneth "Sam" Cabezut (916)796-4575 or (916)787-3101 Reg.#1988724 6/90

**FOR SALE: '89 Capri** trailer 30' for travel/stationary. Excell. cond. Central heat/air, full bath, 3way frig. 2way water heater, 2 doors. \$10,600, call Gordon Day, (209)772-9359. Reg.#1082402 6/90

**FOR SALE: '79 Yamaha XS1100,** \$700., '77 Yamaha YZ-80 \$200. '76 Yamaha TY 175 basket (complete) \$50. '72 B.S.A.-MX 500, \$200. '72 VW Fast back doesn't run, \$350. 6'X6' camper shell, \$80. John Hammond, 2170 Hillview Dr., Walnut Creek, Ca. 94596 (415)934-6094 Reg.#1834526 6/90

**FOR SALE: '72 FAIT-ALLIS** 126 series B track loader, 4way bucket - Ripper \$14K. Steve Allen 506 W. Castle Crest Dr., Elko, Nev. 89801 (702)738-8622, SS#528-86-2976 6/90

**FOR SALE: 1000 Trails** charter membership \$2K plus 5 transfer fees. Charley McRee, 1020 Sanborn Rd., Yuba City, Ca. 95993 Reg.#0549345 6/90

**FOR SALE: Case 1150C** loader w/rippers, extra clean uc 75% \$25K, 25 ton utility trailer, tilt bed & '73 white expeditor 290 Cummings 10 speed. Fred Haynes, 848-33rd St., Richmond, Ca 94804 (415)233-2735, Reg.#0655991 6/90

**FOR SALE: Woodland Home,** 5 or 6 bdrm, 2 ba, approx. 2,500 sq. ft., Carpet, paint, inside, window coverings, lighting all new detached 2 car garage w/workshop, RV parking, corner lot, asking \$185K, Jim Pearson, 71 Elm St., Woodland, Ca. 95695, (916)662-1563 SS#541-60-4878 6/90

**FOR SALE: Walkin Cooler** 4'X7' I.D. Motor Compressor & Condensor \$400/offer

Gene Wagner, P.O. Box 455 Valley Ford, Ca. 94972. (707)876-3349 Reg.#0454246 6/90

**FOR SALE: John Deere 510 Back Hoe** Dipper Stick, good cond. \$1,500. 24" Back Hoe bucket for John Deere 510/710 reinforced better nten new w/1 extra pin \$600. Vern Loopier, (408)722-1517/476-4270 Reg.#1558161 6/90

**FOR SALE: D8, 14A HYD Ripper,** HYD Tilt, cable blade, lots extra parts \$15K; D7E cat HYD ripper, 7/5 dozer, W/tilt, salt tracks & extreme service pads, extra parts \$28,500; CAT 14 blade 64C415 enclosed CAB, HYD side shift, new caps on rear \$12K; '71 white 3300 gal water truck 8v71 det 13 SPD (5) cab controlled air spray heads, Berkeley pump self loading \$26,500. Joshua Bassi, (916)622-0723/626-6245 Reg.#0346961 6/90

**FOR SALE: Arab bay gelding,** 2 yr. old., Conn Organ- trade for piano or \$350, '59 Edsel Corsair, \$2,500. Richard Beagen, (408)356-5207 or (408)356-4542 or (408)559-4750 Reg.#0997088 6/90

**FOR SALE: 40 Acres, Delta, Utah.** 3 mi. So. of I.P.P. Plant. 2 bdrm fixer. flo-well. \$20K, 9% low dn. O/W/C. Carry case/motor home, \$250, Atari computer + joy stick, Casserole adapter \$75, Transmission for Cheve 350 eng. automatic \$75. Hi-Lite- One wheel trailer - Make offer. Norm Clemens, 7709 Cotton Ln. Elk Grove, Ca. 95758 (916)689-4061 Reg.#1238702 6/90

**FOR RENT: Antioch Home,** 3bdrm, 2ba, 2car gar. Outdoor BBQ. Family rm. Frplc. Enclosed summer porch \$875 mo. Call after 6pm. (415) 952-5964, SS#368-44-2129 6/90

**FOR SALE: Far West Mobile home** 24'X60', 2bdrm, 2ba, central heat, a.c. Life time roof, Senior park, very good cond. \$50K/reasonable offer. Turlock area. Call (209)634-6572, Reg.#549399 6/90

**FOR SALE: '77 Automate Trailer,** 8'X32', shower/tub ba. sleep sofa, 2 chairs, Kitchen, frig/freezer, bdrm. forced air heating/cooling, overhead A/C, TV antenna, phone jacks, stereo, lg. awning. '65 International Scout, ranch used, 1/2 cab, winch. Johnson 6' sweeper (almonds) blower, new motor. Donald A. Boom, 2109 Hwy 65, Wheatland, Ca. 95692 (916)633-4080 Reg.#1216120 6/90

**FOR SALE: '87 Winnebago,** 26' self-contained mini motor home, 460 Ford engine. Generator, roof, dash air/lots more. Take over paymts. Lani Zablan 2832 Stevens Dr. Auburn, Ca 95603 (916)878-7289 Reg.#1447218 4/90

**FOR SALE: 9.6 Acres,** 5min to Lake Oroville. Fenced-year round creek, 5rm, 2ba Also 2rm bldg. & hookup for Mobile home. \$45K. also '75 BMW 530i 4 dr/std trans, cracked head, very clean/good body \$2,500/best offer. Eugene Wayman, 205 Chapman Ave. So SF, Ca 94080, (415)589-7343 Reg.#0899497 4/90

**FOR SALE: '79 Freightliner,** 3axel COE sleeper, 400 cummins, 13spd, jake brks, air-ride, less than 30K on overhaul \$12,700. '77 Chevy 1ton van good cond. \$1,500 Rose Harrington 4316 Cowell Rd. Concord, Ca 94518 (415)825-7135 Reg.#1130383 4/90

**FOR SALE: '78 Pace Arrow** 25' motor home 2 new awnings, cruise control, TV antenna/booster- propane asst, roof & house air. Top luggage carrier, CB hookup, forced air heat, sm catilitic heat up front. Onan gen, 2 gas lns 27-20gal 29K mi. \$13K Patrick E. Tanhusley 1108 Raymond Ave. Napa, Ca 94559 (707)255-1108 Reg.#0462228 4/90

**FOR SALE: '84 Travel Trailer** 5th whl 40' tipout loaded self contain/awning, Onan gen, dual A.C. stereo, tv, \$600 hitch, \$15,950 Boyd Rasmussen, Sac, Ca (916)392-7530 Reg.#2057827 4/90

**FOR SALE: 7/8 Acre level lot,** zoned for mobile of convential home. Existing 12'x51' mobile with 2 bdrm/1ba. on paved road 8mi. from Reno. Elect/water/septic tank, fenced w/chain link. Suburban foot hills w/excel view of Mts. \$15,950 down/balance in paymts. Harold W. Howe, 15220 Kivett Lane, Reno, Nv. 89511, (702)852-1607 Reg.#1058429 5/90

**FOR SALE: 2bdrm/1ba** split level, Shasta Lake water front, knotty pine interior \$79,900 owe, deal for cash. Also 3-20' 6x6 Angle, 1/2" thick, new \$85 ea., can deliver. Buss Goekler, 1553 Woggon Ln, Redding, Ca 96003 (916)246-9945 Reg.#1178096 5/90

**FOR SALE: 2-1/2 Acres** in Doyle Ca. Well, Septic, 20'x40' garage, shop, pump house, misc. bldg. \$34K Charles R. Brown, 1390 Genesee Dr. Reno, Nv. 89503 (916)827-2171 Reg.#0931123 5/90

**FOR SALE: '64 Chevy** dump truck w/2yr. old 427 motor. '74-3 axle trailer w/2yr old axles & brakes, ask \$6K. '87-24' Bayliner boat, cust. paint "SHARK" apico radar, raytheon color fish finder (model V800), raytheon loran C (Ray nav 570) calkins galvanized trailer boat licensed for commercial fishing ask \$23,800. '86 Gradall 534 B, Fork lift attachment, truss boom attachment, scaffolding platform, bucket foam filled tires 960 Hrs. ask \$49K, Kevin Donahue, 11515 Cull Canyon Rd., Castro Valley, Ca 94552 (415)889-7239 SS#559-86-5514 5/90

**FOR SALE: '77-32' 5th wheeler** plus 2 memberships, Roger Camgros, 32 Tampa

Dr., San Rafael, Ca 94901 (415)453-2601 Reg.#0498685 5/90

**FOR SALE: '77 Silverstreak,** 28' self contained, twin beds, am/fm cassette, large bath, awning, excell/cond. \$8K, Jim Bryant Rt.-1, Box 61, Tulelake, Ca 96134 Reg.#2069775 5/90

**FOR SALE: '85 Ford** 1/2 ton, long bed, cargo van, P.S., P.B., auto trans- \$3950. Richard K. Voiles (916)334-8011 or 985-4165 Reg.#1020194 5/90

**FOR SALE: '78 Overland** motorhome, 29-1/2' class A, 440 engine, under 30K miles, generator roof air, dash air, tub shower, good tires/floor plan, fully self contained \$17,500/best offer. Call John (415)535-2169 SS#563-88-7474 5/90

**FOR SALE: '86 Komfort** 36-1/2', 5th wheel travel trailer, stand up bdrm, rear kitchen, microwave, A.C., 20 gal. elect. water heater/jacks, awing, excel/condit. more, \$16,200K. Jerry Amonette, Cloverdale, Ca 95425 (707)894-3813 Reg.#2093048 5/90

**FOR SALE: '84 "Jacuzzi"** brand 2-man spa. fully contained, portable, fit in pick-up. Excell/cond. \$900 /best offer. Tanya Howell (707)528-2491 SS#530-56-1386 5/90

**FOR SALE: 16X44' Mobile home** double wide 55 and older Senior park, Concord, Ca. 1 bed screened porch, covered patio, carport, very spacious excell/location \$19,950 Ernest H. Potter 100 The Trees Dr. Concord, Ca. 94518 (415)825-5496 Reg.#1774540 5/90

**FOR SALE: 4-1/2 Acres** W/lg. shop 26X49' cement floor, ditch irrigation. area of custom built homes, walk/down town-schools, good level soil \$39,500. Also 4-1/2 Acres -2parcels 2-1/4 acres each. One parcel has custom built home with 3 ex. lg. bdrms, 2-1/2 ba. many amenities. plus 2 bdrm. guest home. Second parcel vacant. Ideal home site. Manzaneta area near Gridley, Ca. \$300K. Call Howard Copeland 1495 Spruce St., Gridley, Ca. 95948 (916)846-2129 Reg.#0687133 5/90

**FOR SALE/LEASE: Beer & Wine Tavern** nr. Red Bluff, Ca. Tehema Cty. newly painted 2120' cement blk bldg w/2bdrm, 1ba. apt. wash/dryer hookup cement patio, shop, basement, deep well w/new submersible pump, trailer pad w/all util. nearly 3 acres under irrig. prkg. \$66,900 Joe M. Paulazzo 3342 Melwood Ln. #3 Redding, Ca. 96003 eves (916)243-4302 Reg.#0865537 5/90

**FOR SALE: '73 Seaking** Boat. 15' tri/hull, open bow walk thru new fold down seats, Chrysler 75 hp. O/B w/trailer. Boat/mtr. in excell. cond. \$2,150. John/eves. (415)657-2303 SS#561-72-8892 5/90

**Vacation rental:** Kihei Maui Condo, 1bdrm, 1ba, sleeps 4 Across from swimming, walk to beach/ shops/dining. Low rise garden complex. 2nd floor end. Full furnish, \$65/night.

til Dec.15, plus tax, \$7.00 extra per person over 2. Lyle Engle, 889-1737/273-7275 Reg.#553019 5/90

**FOR SALE: '64 Classic Cad.** sedan 4 dr. hard top. owned since 64 -19K mi. always garaged, never for work. Interior soft vinyl/like new No body damage. Chrom/paint excell/cond. Lo eng. mi. since overhaul \$2,500. Frank J. Munoz, 10368 Malaga Way, Rancho Cordova, Ca. 95670 (916)363-0363 Reg.#1166547 5/90

**FOR SALE: '88 Allegro** Motorhome, GMC, 21', Gen. Rf. air, micro-wave, 14mi. to gal. James D. Sanders (916)865-7127, Reg.#0820664 5/90

**FOR SALE: '74 GMC Suburban** V8 454, AT, PS, PB, stero, dual air/tanks, HD towing package 10,000 oww. and '75 Kumfort 19-1/2' travel trailer, dual axles, new carpet/fabric, never used. Both rigs in exc. cond. for combo \$7,450. Robert Pratt, Cameron Park, Ca. (916)677-8931, Reg.#2106340 6/90

**FOR SALE: Townhouse,** Reno, Nev., good neighborhood, clean 3bd., 2-1/2 ba, 2 cargar., frplc, laundry room, yard, deck, close to park. \$78K call (702)851-3262 Jaime Aranda. 1040E. Huffaker Ln., Reno, Nev. 89511 Reg.#1759119 6/90

**FOR SALE: '79 Commander** Motor Home, 23' Generator, air cond., awings TV antenn., CB, 2 gas tanks, micro wave, full bed, excell cond. \$14K, call (916)662-6026 after 3pm. L. D. Wright, 44 College St. Woodland, Ca. 95695 SS#558-46-2831 6/90

**FOR SALE: Mechanics Hand Tools,** Complete heavy duty set, 3/8"-3/4" drive sockets, extensions, ratchets, flex handles & adapters. Sockets include impact, standard & metric 6 & 12pt. Special wrenches, Crows feet, chisels, pliers, screw extractors, tap and die set/more. 1,069 pcs. Includes M.B.C. 7 drawer rollaway, 3 drawer 2 compartment side box & 10 drawer top box. \$10K. Bill Tunley, 1487 Linfield Ln., Hayward, Ca. 94545 (415)783-8958 SS#563-26-2615/6/90

**FOR SALE: 9 ton 5th wheel** Trailer-3axle. Elect. brake, good cond. 90% rubber \$3K. D. Little (916)659-7205. SS#559-80-3918 6/90

**FOR SALE: Karri Kase** 3'X6'- top of motorhome. Rack for Chevy S-10 \$85. Phillips 3 wheel bike \$65. 2- steel gas tanks for Ford 1/2 ton pick-up \$50. Texas Instrument 99/4A Home computer, color, speech synthesizer, joystick, cassette adapter, 8 cartdgs software, music, graphics, games, & business \$75. and SALE/TRADE- 40 acres Delta Utah, 3mi. so. IPP Plant, 2bdrm, fixer Flo-well \$20K, lo/down 9% O/W/C. Norman Clemens, 7709 Cotton Ln. Elk Grove, Ca. 95758 (916)689-4061 Reg.#1238702 6/90

**FOR SALE:** 2bdrm. 2ba. Immaculate view of



## Contractors impressed with labor-saving device

## Local 3 member patents curb shovel

**R**EMEMBER THE GUY that invented the Guinea Thumper, the rod within a pole that makes grade setting so easy? That man, Local 3 member Larry Beard, has done it again, this time inventing a Curb and Gutter Shovel that makes removing gravel from gutters in subdivisions under construction as easy as pushing a broom.

Imagine finish blades working a subdivision. Their job in the subdivision, which at this stage has only concrete curbs, gutters and base-rock streets, is to cut just enough material away from the edge of the gutter so that when the asphalt is laid the surface of the gutter is even with the street.

As the finish blade moves through the subdivision, an electronic device on the blade sends sonar waves down to the gutter surface and back. The device

reads this information and calculates how deep the blade should cut. But if the gutter is covered with debris, inaccurate sonar readings are received. To prevent this from happening, a couple of guys working in front of the blade have to remove the excess gravel from the gutters using flathead shovels. Needless to say, the shoveling can be back-breaking, time-consuming work, not to mention expensive for the contractor. Beard's Curb and Gutter Shovel solves all of these problems.

Made of light-weight, durable aircraft aluminum, the shovel rests between the curb and gutter at a 45-degree angle. As the worker moves forward, the shovel pushes the excess gravel back into the base rock much like a snowplow pushes snow off of a highway. The shovel has a reversible, double-edge blade made of durable spring steel. The shovel can also be used to clean large, flat surfaces as well, such as streets and parking lots.

With its long handle and large angled blade, a single laborer can work an entire subdivision five times faster than a worker using a traditional flathead shovel. Tests results show that five city blocks can be scraped in about 35 minutes.

"The shovel is one of the greatest labor-saving devices that I've seen in a long time," said Peter Moote, a superintendent for the Gregory Group, an East Bay land development firm that purchased several shovels. "It's a very clever and ingenious tool. It pays for itself in about three days."

Several other companies, including Oliver DeSilva, Kiewit Pacific, Shea Holms, McCullough Construction and Foster Excavating, have purchased the shovel. Caltrans is currently testing the shovel and may purchase hundreds of them for statewide use.

***"The shovel is one of the greatest labor-saving devices I've seen in a long time. It's a very clever and ingenious device."***

"It really works well," said Jim Quilici, a Foster Excavating superintendent. "It's really worth the money and really cuts down on time."

To help users familiarize themselves with both the Guinea Thumper and the shovel, Beard has produced a 10-minute demonstration video, which can be ob-

tained by calling Beard at (415) 672-0511 or (415) 672-4608, or by writing to P.O. Box 160, Clayton, CA 94517.

Having patented both the thumper and shovel, Beard has become somewhat of an authority on obtaining U.S. patents and will share his knowledge with anyone who is considering patenting an invention. Beard, who works for Joe Foster Construction in Livermore, is a finish grade setter and has been a Local 3 member for the past 10 years.

Local 3 encourages members who have inventions or ideas that have improved their work to contact *Engineers News*, so that your ideas may be shared with fellow members.

Larry Beard (right), a Local 3 member for the past 10 years, demonstrates the Curb and Gutter Shovel that he has patented. Contractors rave about the shovel's ability to cut labor costs, saying the device pays for itself within a short time. Laborers love it because it makes their jobs of cleaning curbs and gutters on job sites much easier.



The shovel (left) rests in the gutter at a 45-degree angle. As the operator moves forward, the blade pushes the gravel back into the base rock.



The shovel also works well on large, flat surfaces such as streets and parking lots.

