

Communique

CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION



MARCH 1987

LAKE-NAPA HONORED

The Lake-Napa Ranger Unit was recently presented with the first Director's Award for Outstanding Achievement for their initiative in developing an alcohol and substance abuse program within their unit.

Last April Ranger-in-Charge Byron Carniglia, Administrative Chief David DeForge, and Operations Chief Don Ferguson, sat down to discuss a problem they all knew existed; alcohol abuse. They realized that even though there was a small narcotics abuse problem (mainly seasonal employees smoking marijuana) it was too insignificant to "target"; therefore, they placed the emphasis on alcohol abuse.

The main concern was for employees who were not working at an acceptable level because of an alcohol problem, particularly the employee who gets into a piece of state apparatus and drives it the morning after consuming alcohol, while off duty the night before. (Many employees still have a blood alcohol level in excess of .10.) Most employees who drink off duty and return to duty "legally" drunk would never think of drinking while on duty. Many of these employees are alcoholics and need assistance.

Lake-Napa was unsure of how to help these alcohol/substance abusers so they found a recovering alcoholic among the ranks and asked him to serve as a contact for those who needed help and to coordinate an Alcoholics Anonymous Program for the ranger unit.



Director Partain poses with a proud group of Lake-Napa employees: Operations Chief Don Ferguson, Ranger-in-Charge Byron Carniglia and Heavy Fire Equipment Operator John Bolander.

They then contacted every alcohol treatment center in the ranger unit and inquired about the services provided. With all that information on file they have the ability to place an abuser in the program which meets his/her needs.

Programs of every type are available from AA meetings to 90-day "de-tox" to \$12,000 private 28-day "de-tox"/rehabilitation programs.

To date, the unit's program has handled 51 CDF personnel, and not just within Lake-Napa. Included in those 51 are employees from every ranger unit in Region I, every camp in old Region I, and

several from Region II.

The program Lake-Napa has put together cost virtually nothing to establish and maintain, but takes a tremendous amount of time. Their "overload" is caused by handling employees from too many other units.

Director Partain recognized the efforts of Lake-Napa and made them the first recipient of his outstanding achievement award. The director is committed to enhancing this program and any similar programs introduced by other CDF facilities. After all, CDF employees are

On the cover



On the cover is a photo of a successful Vegetation Management Program burn completed in the Fresno-Kings Ranger Unit last summer.

The burn, consisting of 2,600 acres of grass and heavy brush, took place on Hog Mountain in the Trimmer Springs area 35 miles east of Fresno.

CDF's Squaw Valley Ranger District personnel coordinated the burn with the local ranchers who wanted to open up their property to livestock grazing and improve the areas watershed capabilities.

CDF completed the burn in one day with the assistance of man power and equipment from the U.S. Forest Service and local property owners.

The photo was taken from the Piedra Forest Fire Station by Ken Eller.

Yet another CDFer recieves Medal of Valor

Continuing a long history of CDF employees who respond to an emergency with actions above and beyond the call of duty State Forest Ranger I Charles Heinbach, Jr. was presented with the Medal of Valor by Governor Deukmejian on Tuesday, January 27, 1987.

On June 19, 1985, SFR I Heinbach performed an extraordinary act of heroism at great risk to his personal safety by providing life support to a 16-year old man involved in a major head-on collision on Highway 49 in Mariposa County.

(Cont. on pg. 3)

(Medal of Valor)



SFR I Heinbach, Jr. poses with his family and Director Partain following the Medal of Valor presentation over at the Governor's office.

When Heinbach arrived at the accident he was informed by emergency personnel already on the scene that the driver of one of the vehicles, who was pinned in the wreckage, was already dead. Heinbach, a former paramedic, checked the victim and found him pulseless and not breathing due to an interference in his airway.

Although gasoline was leaking from



Sacramento staff joined Ranger Heinbach in celebrating his award during a reception in the Director's Conference room.

the ruptured gas tank, Heinbach decided that there was no time to lay a safety line to protect the vehicle from sparks that could cause a fire or explosion. Placing his own life in jeopardy, he crawled into the wreck, opened the victim's airway and breathing and pulse were restored spontaneously.

Despite the imminent threat of an explosion, Heinbach continued life support

techniques for an additional 30 minutes while the victim was extricated from the vehicle.

Without SFR I Heinbach's courageous actions, the young man's survival and ultimate full recovery would have been impossible.

The Medal of Valor is the highest honor the State of California can bestow upon one of its employees.

IN WITH THE NEW

MORE ON EAP



FAMILY PROBLEMS



LEGAL CONSULTATION



EMOTIONAL PROBLEMS



CHILD CARE



ALCOHOL PROBLEMS



STRESS

Out with the old and in with the new - or so the saying goes every new year. Traditionally we set January 1 as the day for resolutions to break old habits and start fresh. Maybe this year you would like to stop smoking or drop those few pounds you've picked up. You might decide to start exercising more flexibility with people, or stop being late to everything. Perhaps you are determined to budget yourself better so that next year you won't be caught in the same financial bind that you always find yourself in after the holidays.

As we all know, altering old habits or behavior patterns is no easy task. No matter how determined we are on January 1, we generally find ourselves back to our old ways by the end of the month. So, do we give up on new resolutions all together? No, because a positive change can lead to a new personal achievement, academic or business success or more fulfilling relationships. This year we can decide to make our resolutions stick with some planning, a more realistic ap-

proach, and some support in the right direction. Personal change and growth is usually a forward and back process. Most people gain momentum, become sidetracked, fall backwards, and go forward with renewed drive. This process may be repeated several times until the new behavior stabilizes.

One of the steps we can take to insure that change occurs might be contacting your Employee Assistance Program. Therapists are finding that brief, problem-focused counseling can help people make important changes in their lives and in themselves. Professional counselors can also give you the support necessary to follow through. Clients who gain most from their experiences are those able to persevere, continually addressing themselves to their goal.

If you feel that you or someone in your family might benefit from counseling simply call Occupational Health Services at the number listed below and an appointment will be scheduled for you with the most appropriate counselor in your

area. Remember, initial counseling is PRE-PAID and all counseling is CONFIDENTIAL.

For more information or to schedule an appointment call:

San Francisco/
Bay Area (415) 653-4357
Toll-Free California .. (800) 772-3972
Toll-Free U.S. (800) 227-1060
TTY Line for The
Hearing Impaired
..... (415) 653-5569

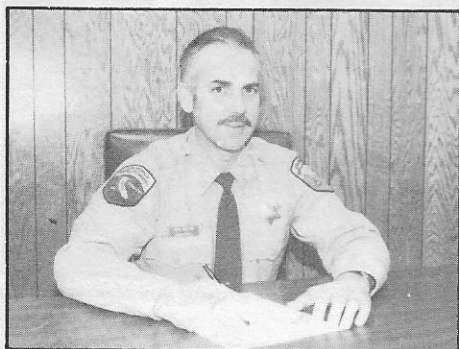
LOOK FOR CONTINUED

VISION 2000

COVERAGE NEXT

MONTH

Gary Buzzini moves up



Gary Buzzini, ranger-in-charge of CDF's Shasta-Trinity Ranger Unit has been appointed to assistant chief, Sierra-Cascade Region, effective February 1, 1987. In his new position, Gary will be in charge of the region's administrative services, fire control, fire prevention, conservation camps, and engineering functions.

Gary had been ranger-in-charge of the unit for eight years overseeing 120 permanent employees and 200 volunteers-in-prevention working in all of CDF's major field programs. As county fire warden he was also responsible for 350 volunteer firefighters and 20 volunteer fire companies.

When asked about the highlights during his eight years, Gary singled out:

- The establishment of the CDF/Shasta County Fire Department Cooperative Fire Protection Organization in 1980.
- Passage of a benefit assessment in November 1986 to purchase and maintain fire apparatus for the volunteer fire companies.
- County-wide ordinance adopting the fire safe standards and uniform fire code for all land divisions, along with a fire captain to manage the CDF/SCFD inspections.
- Working with some of the finest folks in CDF!

Gary began his career with CDF in 1966 after graduating from the University of Washington in Seattle with a degree in forest management. He worked in Lake, Sonoma, Napa, Mendocino, Butte and Sacramento, before accepting the Shasta-Trinity position.

"I'm looking forward to my new position," he said. "I've enjoyed my stay in Shasta-Trinity and certainly appreciated all the support from the Board of Supervisors and all the employees in the ranger unit."

Gary will be replacing Don Banghart, who was promoted to Sierra-Cascade Region Chief on October 1, 1986.

MEASURE "B"

A measure was passed in Shasta County in November which imposes an annual assessment for fire protection equipment and services. As a result, up to \$290,000 is anticipated to be collected during the first year. This money will be used to help 20 volunteer fire companies purchase new fire engines, and water tenders. Twenty percent of all monies collected will be used to maintain volunteer fire company engines and water tenders.

"Measure 'B'" allows an annual parcel charge of \$20 *maximum* per year to be assessed on all parcels with over \$1,000 in improvements. The ordinance provides that the board shall consider a master plan for spending the money raised by the assessment. The plan will be developed cooperatively by the volunteer fire chiefs and the CDF/Shasta County Fire Department fire warden.

One key item contributing to the passage of "Measure 'B'" was the use of Section 50078 of the government code. The county was able to annex 2.7 million acres into a county service area, forming a countywide service area. This allowed for a simple majority vote for passage compared to a two-thirds vote for a general county area.

Special credit goes to the "Yes on Measure 'B' Committee." The committee raised several thousand dollars to provide enough fund raisers to provide enough money for TV, radio, newspaper, and poster advertising.

Meet Jack Shannon

Jack Shannon, a third generation cattleman from Porterville, brings a background of practical experience to the CDF Board of Forestry as both a "working cowman," and an active participant in "community affairs."

As a rancher, Jack's major agricultural operation is centered on cow-calf and stocker cattle. However, tied in with this operation is the production of hay and pasture, which includes utilization of summer grazing rights in the Sierra that date back 75 years and involves an annual old-style cattle drive from the "home ranch" in the lower foothills to "high country" summer pasture.

Conservation and range improvement programs such as developing natural



springs, building and maintaining check dams and stock ponds, controlling brush and weeds and preventing erosion are basic practices in Jack's ranch operations. The result is that land homesteaded by his great grandfather in 1868 is still thriving and producing.

Jack, who majored in animal husbandry at Fresno State College, was a member of the Sequoia National Forest Grazing Advisory Board. He has served as president of the Tulare County Cattleman's Association, as president of the Porterville Junior Chamber of Commerce and as a director of the California Jaycee organization. He is a member of the California Cattleman's Association, the Tulare County Farm Bureau, the Porterville Breakfast Lions Club, and Sigma Chi.

He was selected by Porterville Jaycees as Outstanding Young Farmer of 1970 and the Tulare County Cattleman's Association named him Cattleman of the Year in 1986.

Jack and his wife, Sandra, have a son at Cal Poly, San Luis Obispo; a second son who is involved with the family ranch operation; and a daughter who is attending Junior high school. Sandra is serving her third term on the Porterville High School Board of Trustees.

The Shannon family has travelled throughout the Western States, not so much as tourists, but more as friendly visitors, talking with the folks they meet about what's happening in their part of the country.

"You learn a lot that way," Jack says. "And you sure get acquainted with some nice people."

Communiqué

CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION

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Shasta-Trinity VIPs

by Fire Prevention Assistant Lisa Chiesa

The Shasta-Trinity Ranger Unit's Volunteers in Prevention Program has been in operation since 1980. During its seven years of existence the VIPs have been involved in many different fire prevention activities and support functions for the ranger unit. During large fires they have provided invaluable informational services for the unit and to the public, but their main function has always been Fire Prevention Education utilizing a variety of methods.

One of the most memorable occasions for the VIPs in 1986 was the opportunity to participate in Advanced Arson Investigation Training held in Redding. Twelve volunteers participated in three different scenarios playing such roles as; the jilted sweetheart in a bedroom arson fire, the jealous girlfriend who torches her boyfriend's car, and the volunteer fireman who turns arsonist. During this three-day activity volunteers actually lit fires and then returned to their homes where they were tracked down by the investigators for questioning. On the third day the VIPs were involved in a mock trial with real lawyers calling witnesses and suspects to the stand. (Our volunteers have had an opportunity to provide this service to the ranger unit several times and it is one project they really enjoy.)

The VIP program has a well rounded Fire Prevention Education Program for preschool through third grades. Three programs are presented each year. One is a Smokey Bear Flannel Board Story. It is taught in the preschools and focuses on the Story of Smokey, identification of matches and what to do with them. The CDF's Team Teaching Program is used in kindergarten through second grades and a Learn-not-to-Burn Program teaching indoor home fire safety is used in the second and third grades.



Volunteer Ellen Madsen gives a student a pin during the Team Teaching Program.



Volunteer Leslee Holmes tests the flow of a hydrant during the hydrant testing project for the Bella Vista Water District.

Other active programs for the volunteers include; local parades and fairs, smoke detector installations for the handicapped and elderly, the scheduling of flue cleaning equipment, high fire danger and arson alert patrols, door-to-door information gathering for children-caused fires, and the distribution of Christmas fire safety literature to local tree lots.

Shasta-Trinity VIPs are involved in a hydrant testing project with corresponding maps for a local water district utilizing a college Fire Prevention Education class. Over 180 hydrants are being tested in the Bella Vista Water District for pressure readings and gallons per minute. The VIPs have also represented the Volunteers in Prevention Program and the Shasta-Trinity Ranger Unit during our local Public Broadcasting Station auction answering telephones.

There are 183 volunteers on the VIP roster with 117 volunteers teaming together this year to provide 4,840 hours of service to the department. The Shasta-Trinity Ranger Unit values this contribution by the VIP's, recognizes the commitment and accomplishments of the program and continues to encourage the development of new techniques of Fire Prevention Education to continue its contribution to the community on behalf of CDF.



Volunteer Evelyn Dollarhide poses as an arsonist during the advanced Arson Class held in Redding.



Well some of you did your homework and really helped us out with this photo. Ray Clar, retired chief deputy state forester, Forester I Jim Laughlin, and retired CDFer Clint Phillips all contacted us with information about the photo.

With the help of these gentlemen we found copies of the photo in the Ninth Biennial Report (Jan. 1923) from the State Board of Forestry and in the November 1970 California Forester. From the captions in each of these reports we

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(Identified)

came up with the following:

Who - a Silviculture class or the State Board of Forestry

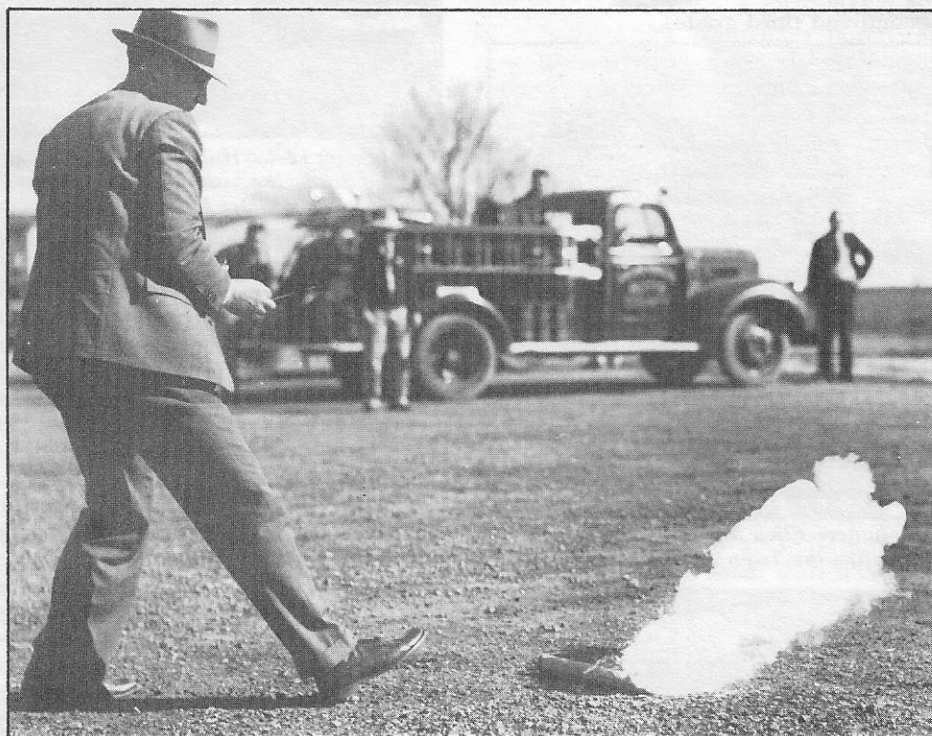
What - on tour

Where - old Highway 17 between Los Gatos and Santa Cruz

When - November 1922

What else - the A.H.O. on the bottom line of the sign probably stands for A. H. Oswald, District Fire Ranger for Santa Cruz and Santa Clara counties in 1922.

Only "1" response



CDF retiree Bob Green dropped us a line following the last issue of the *Communique* with a bit of information about this photo. He says he thinks it is Ralph Fenner who was a CDF employee at one time. Bob thought that Ralph was probably demonstrating one of his inventions for backfiring on fires.

The clothing he is wearing was the official "Class A" uniform about 1950; green double-breasted coat, trousers and an Adams softbrimmed hat.

Bob's the only one we heard from. Can anybody verify this information?

THE FIRE SUPPRESSION ORB "SFERA ECOLOGICA"

Fire suppression research comes in many *shapes* and *sizes*; just read the following:

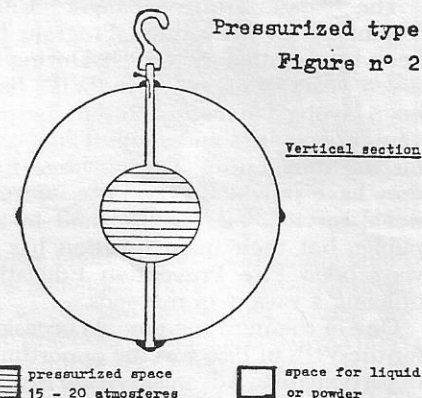
You are directing the fire fighting activities of a handcrew when suddenly a glistening sphere-shaped object, some 2½ feet in diameter, passes before your eyes striking the line up ahead. You watch as one after another of these "orbs" smack the ground, and as each hits, the surrounding fire quiets down. What you are witnessing is aerial deployment of "SFERA-Ecologica" - the ecological fire fighting sphere, and you are most likely working a fire in Italy.

Not long ago, the inventor of SFERA-Ecologica, Davide DeMartini, visited the Fire Research Office to discuss possible use of the orb in California.

Interested? Following is a description of the "orb" in its inventor's own words:

"The ecological sphere has been studied to put out a forest fire in an easy and immediate way, making the liquid and the fit powder arrive at the ground. The "SFERA ECOLOGICA" of pressurized type has been created as an air anti-fire craft and it is made as following: Two half spheres 80 centimeters in diameter, with outer intermediaries, must be assembled

"SFERA ECOLOGICA"



and sealed up by water proof adhesive and pressed each to other by an internal axis 2 centimeters in diameter, which in the centre changes into another little sphere. In the upper side of the axis passes a little sounding line for pressurizing the little internal sphere which is 30 centimeters in diameter. From the hole of charge you put the liquid or the powder into the big sphere, then you close the hole by a screw plug or locking pressure. Now you pressurize the internal sphere 15 to 20 atmospheres, close the pressurization valve by the screw plug and the sphere is ready to be used.

"You screw the hook to the upper part of the axis, put the sphere in an aircraft and drop it on the spot of the fire. The crash of the drop breaks the axis and the two spheres. The pressurized air gets out violently from the little inner sphere and spreads the liquid or the powder of the big sphere in a uniform and compact way. The capacity of the big sphere is 250 liters or decimeters. An aircraft of 13 tons capacity can charge 48 spheres and cover 400-450 meters of the fire. The launching distance from a sphere to the other must be 10 meters."

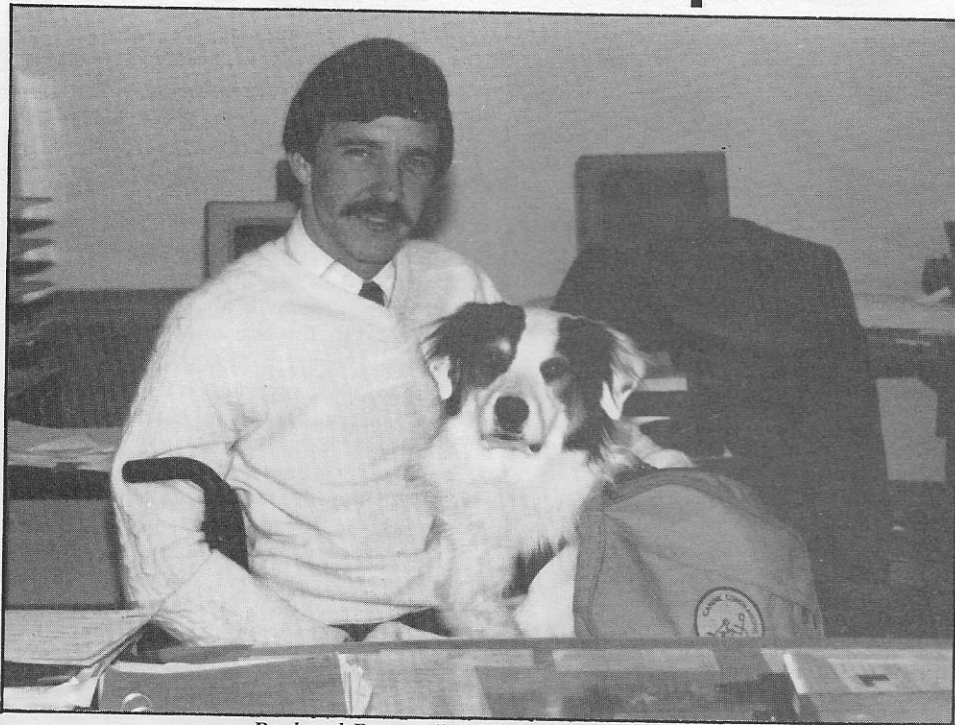
Following the visit by Mr. DeMartini the above write-up was sent to the U. S. Forest Service San Dimas Equipment Development Center for their own evaluation.

To make a long story short, SFERA is very interesting, but for CDF and the USFS it poses several problems, not the least of which concerns safety to ground personnel.

We hope to stay in touch with Mr. DeMartini in order to follow his progress as he strives to improve his product. Who knows, perhaps one day along a California fireline his glistening "SFERA ECOLOGICA" will pass before your eyes, striking the ground up ahead and putting out the fire in an "easy and immediate way!"

Our best wishes Mr. DeMartini.

A precedent and inspiration



Paul and Bear at "their" desk at headquarters.

One day you're driving a fire engine responding to a raging brush fire; the next day you're in a wheelchair with no feeling or movement below your neck. That is a very "condensed," but true, version of what happened to one of our CDF employees about two years ago. Many of you may remember reading or hearing about Fire Apparatus Engineer Paul Knott who was involved in a very serious automobile accident which left him with a broken neck and paralyzed.

Unfortunately we can't tell you that Paul recovered and miraculously was able to walk again but he did survive the accident and has come a long way; so far, in fact that he is once again a CDF employee.

Paul came back to Forestry almost four months ago to fill a position in the accounting office here in Sacramento. It was a long two years from the time of his accident to this point but Paul says that he always knew he would come back to CDF. Paul had worked as a seasonal firefighter and LT Engineer for CDF every summer but one from 1971 to 1984; putting himself through school at the same time. In 1984 he joined CDF permanently at a job he thoroughly enjoyed with people he just couldn't say enough about.

In talking with Paul it was easy to see how much importance he placed on the CDF employees who supported him from the night of his accident to the present.

CDF personnel pulled together and donated a full year of their own hours to the California Department of Forestry Employees Association time bank so Paul

would have enough sick leave for his long recovery. "The support of my co-workers gave me hope for the future," Paul said. "It was the best medicine, no words could ever thank them enough for all their help." The odds are that Paul will remain in a wheelchair for the rest of his life but you don't detect any bitterness or anger in Paul when you're talking with him. He seems to have found his own way to deal with his disability and is continuing with his life.

You can ask almost anyone here at headquarters about Paul and they will all say things like "He is a very positive person, a real morale booster."

If Paul's positive attitude isn't enough to brighten your day his sometime "companion" will. "Bear," an Australian Shepherd, is Paul's certified aide much the same as a guide dog for the blind. Bear occasionally accompanies Paul to work and always draws a crowd. Bear is trained to perform a variety of tasks for Paul. The dog carries a small pack on his back with Paul's things in it. He can pull Paul's wheelchair, retrieve items from a heavy book to a small dime, open and close doors, and numerous other tasks that are either difficult or impossible for Paul.

The great thing about Bear is that Paul has had him since he was a pup although he never thought he would ever have to train Bear to do the things he does now. With the help of an organization known as Canine Companions, which trains dogs for the disabled, Paul was able to train Bear himself. Bear carries a little certification card which allows Paul to take him any place that guide dogs can go.

Paul has set a precedent as the only

employee with such a severe disability currently employed by CDF. Next month we will discuss how Paul went about returning to work, what outside agencies were involved, and how CDF fits in as a state agency employing the severely disabled like Paul.



Bear can carry his pack on his back but he'd rather do it this way.

MOUNTAIN HOME

Home of the (Gigantia) Cutters

By: State Forest Ranger I C. D. Dulcich

Mountain Home Conservation Camp is home to 110 of corrections' finest. These inmates are housed just a stone's throw from the Mountain Home State Forest and its' groves of Sequoia giants. This location, 31 miles east of Porterville, at the 4,500 feet elevation of the southern Sierra-Nevada mountains, is ideally suited to the mission of the CDF Conservation Camp Program.

Through a cooperative program with the manager of the state forest, some of the finest redwood lumber in California is produced by this camp. Many of the old giants have fallen due to severe storms or man's maliciousness. Many of these trees have lain untouched for many years as they were too big to be transported by truck. They range in size from 5' diameter to over 14' diameter. Mountain Home camp pioneered the utilization of the mobile dimensional mill for the processing of logs in the camp program. We have been successful in utilizing it in combination with a wood mizer bandsaw mill, to make the best available lumber. The camp produces everything in wood products from fence lathe to beams 8' x

(Cont. on pg. 8)

(Mtn. Home)

12' x 30'. In a normal season 50 thousand board feet of redwood will be processed, along with 40 to 50 thousand board feet of pine, fir, and cedar. Much of the redwood is used in the camp's shop to produce station signs, picnic tables, miscellaneous lawn furniture, and unfinished wood products such as wall paneling.

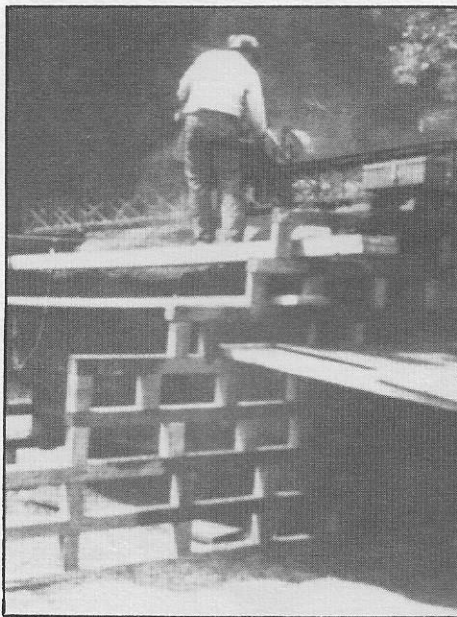
Mountain Home, being the southern most camp in the central valley, is in a position of high demand by project sponsors. Projects for the U. S. Army Corps of Engineers at the Lake Success facility have included work on camp-ground restoration, nature trail development, wildlife refuge improvements, and hazard reduction. Projects for the Clemmie Gill School of Science and Conservation, which is a neighbor of Mountain Home, have included nature trail development, facility restoration, and hazard reduction work.

The Sequoia National Forest utilizes camp crews on plantation maintenance, timber stand improvements, camp-ground improvement, and through the camp's participation in the "adopt-a-trail" program, the repair and maintenance of several miles of back country trails. Caltrans utilizes one crew on a year round basis for landscape maintenance and roadside litter cleanup. The Department of Fish and Game uses a camp crew for habitat improvement. The crew is currently constructing an information and viewing area in a wildlife area adjacent to the Porterville Developmental Center.

Mountain Home crews spent two days working on operation "Hay" which provided hay to eastern cattlemen during the 1986 drought. Over 80 tons of hay were loaded at the Tulare City railhead. This project was a joint effort of hay growers from Terra Bella, Tulare Farm Bureau, City of Tulare, CDC, and CDF.

The nearby community of Springville has been very supportive of the Mountain Home Camp. Donations of books, games, magazines, and at Christmas, homemade candy and baked goods are sent to the camp for the inmates from the community. Continued work in the areas of community service by crews has cemented a sound relationship between the camp and it's neighbors.

Mountain Home Camp also operates a spike camp out of the California Correctional Institution at Tehachapi. This spike camp is called Cummins Valley Camp and has two fire captains assigned full time to supervise the one crew. The projects for the spike camp range from Fort Tejon State Park on the ridge route, to the State Indian Museum east of Lancaster, and north to the state park at Red Rock Canyon near Mojave. The crew is also utilized by the Kern County Fire De-



Mountain Home Mill (it's set up on 8' diameter redwood).



Loading hay at Tulare Railhead.



ORIENTATION TOUR

Assemblyman Chuck Bader, SFR II Bill Clayton, and Region III Chief Jim Dyke's tour Rainbow CC.

Recently, Region III Chief Jim Dykes arranged an orientation tour of several CDF facilities in the Southern California Region for Assemblyman Chuck Bader of the 65th Assembly District. Bader's Assembly District includes a small portion of Los Angeles County (Pomona area), and a portion of Western San Bernardino County (Ontario, Mt. Baldy and Phelan areas). Chief Dyke's tour included Prado and Rainbow Conservation Camps and Hemet-Ryan Air Attack Base. Assemblyman Bader is presently serving his third term in the Assembly and has been a supporter of CDF.

First Annual JAC-FAE Academy

Approximately 23 first, second, and third-year Joint Apprenticeship Committee Fire Apparatus Engineers completed the first annual JAC-FAE academy held January 5-16, 1987, at the joint CDF/USFS training facility in Region II.

FAE's from all six ranger units (with instructors representing each unit) completed eight hours of training on various subjects from auto extrication to hazardous materials.

The academy was a result of requests from various units unable to meet the training goals for the FAE's. While it was originally set up on a trial basis, the academy was so successful that it will continue on an annual basis as long as the need is there.

Many thanks to all who helped make it a success!



SFR I Steve Iverson demonstrates auto extrication techniques.



JAC student gets first hand training dealing with the media.

Health & Safety

SMOKING: Are you addicted?

Cigarette smoking is now officially recognized as an addiction by the National Institute of Drug Abuse, and the American Psychiatric Association. C. Everett Koop, Md, Surgeon General, is aggressively campaigning to educate patients in the health hazards of cigarette smoking and to encourage them to stop.

Tobacco is the contributing cause of 350,000 premature deaths in the United States annually and subtracts six years from average life expectancy of smokers.

SMOKING EFFECTS. As the single most significant public health problem in the United States, cigarette smoking has devastating results on human lives:

- It contributed to 129,000 cancer deaths in 1983, resulting in untold misery and medical care requirements, even for those who survived.
- It is the major risk factor for coronary heart disease prior to age 65, resulting in heart attacks in 25 percent of men by that age.
- It causes 80 to 90 percent of the cases of chronic obstructive lung disease/emphysema which kills 50,000 people in the United States per year and, before death, requires expensive home oxygen and frequent hos-

pitalizations for bronchitic complications and respiratory failure.

- It results in twice as many colds and acute respiratory infections in smokers compared to nonsmokers.
- It also produces high cancer rates in nonsmoking spouses of smokers.
- Additionally, it causes higher rates of acute respiratory problems in children of parents who smoke in the same household.
- Workers' compensation accident rates are higher for smokers.
- Risks of occupational diseases-such as asbestos, coal dust or cotton-related lung diseases-are further aggravated by smoking.
- Cigarette smoking can be traced as the cause of half of residential fires, including fatal mattress fires.

COMPOSITION: The actual composition of cigarette smoke is an industrial hygienist's nightmare containing the following concentrations of chemicals in gaseous form:

carbon dioxide	92,000 ppm
methane, ethane, propane	87,000 ppm
carbon monoxide	42,000 ppm
acetylene, ethylene	31,000 ppm
acetaldehyde	3,000 ppm
hydrogen cyanide	1,600 ppm

methyl chloride	1,200 ppm
acetone	1,100 ppm
methanol	700 ppm
methylethylketone	500 ppm
ammonia	300 ppm
nitrogen dioxide	250 ppm
methylnitrite	200 ppm
acrolein	150 ppm
formaldehyde	30 ppm

Because a cigarette smoker's puff lasts only four seconds, the acutely lethal concentrations of some of these constituents are mixed with fresh air breaths and diluted with pre-existing air, diminishing the immediate health consequences except for those directly allergic.

While smoking cigarettes might have accelerated chronic arteriosclerotic vascular changes that cannot be reversed, stopping has been demonstrated to have beneficial results including: reduction of vasospasm associated with smoking, reduction and elimination of phlegm/mucous production if chronic bronchitis is evolving and reduction in cancer risk so that after stopping smoking twelve years, lung cancer risk approaches that of a nonsmoker. Therefore, strong motivation should exist, not just to stop smoking but to keep nonsmokers from being exposed and to insure nonsmokers are never tempted to start.

Personnel Transactions

COAST REGION

Transfer - SFR I Thomas Berry to San Mateo-Santa Cruz.

Promotions - Donald MacKenzie to For. I, DED, Palo Alto; James Asche to SFR I, San Mateo-Santa Cruz; Nicky Davis to FEM I, Sonoma.

Appointments - Ines Freeman to OA II (T), Chamberlain Creek CC; Samuel Davis and Anthony Kneip to FAE, San Mateo-Santa Cruz; Julie Marquess and Kirk McBride to FF II, Santa Clara; Dale McGill and Suzanne Cecchi to FAE, Santa Clara.

SIERRA CASCADE REGION

Promotions - Gary L. Buzzini to Asst. Dep. St. For.

Appointments - Gloria J. Huelsenbeck to OA II (T), Hqs.

Retirement - Exec. I Sec. Zanette M. Hatten, Hqs.

CENTRAL REGION

Transfers - SFR I Richards Coon to Madera-Mariposa; FC Roger Teigen to Fresno-Kings.

Promotions - Debi Fortugalica and Robert Wirtz to FC, San Benito-Monterey; James Crabtree to FC, Tuolumne-Calaveras; Gary Mosely and William Welch to FAE, Fresno-Kings.

Appointments - Karen O'Keefe to Ofc. Tech., Hqs.; Paul Sans and Michael Johnson to HFEO, San Benito-Monterey; Brian Barron, Thomas Hein, Vance Strong, and Mark Dias all to FAE, Tulare; Bonita Smith to Ofc. Tech., Madera-Mariposa; and Betty Hill to Acctg. Tech., Tuolumne-Calaveras.

Reinstatements - SFR I Lloyd Stahl, Hqs.

Separations - Ofc. Tech. Susan Brown, Hqs.

Retirements - FPO I James J. Marshall, Madera-Mariposa; FC Spec. Delwin Brandt and FC Jack Nutter, both from Fresno-Kings; SFR I Curtis Fox, Amador-El Dorado.

SOUTHERN REGION

Transfers - FC (B)'s Wile Adams to YTS CC, and David Shuttleworth to Pilot Rock CC.

Promotions - JGeorge S. Gonzalez to Bus. Serv. Ofcr. (Superv.), Riverside; and Frederick K. Stump to FC (B), Owens Valley CC.

Reinstatements - FAE Gary Shepherd, and FF III Jerry Dalebout, San Bernardino.

Retirement - FC (a) Thomas Martin, San Luis Obispo.

SACRAMENTO HEADQUARTERS

Promotion - OKenneth I. Nielson to For. III. (FRRAP); Marilyn Hortizuela-Abero to Sr. Acct. Clk.

Appointment - Karen Lee to OA II (T); Mary Meier to Pers. Asst. IV.

Separation - Word Process Tech. Marlene Dondero from Academy.

EXAMINATION CALENDAR

Upcoming Examinations

Title	Exam Base	Final Filing Date
Accounting Technician	Dept. Promo.	March 5
State Archeologist I	Open	March 12
Office Assistant Series:	Open Spot	March 26
Office I (General)	Nonmetro Areas	
Office Assistant I/II (Typing)		
Stenographer		
Associate Architect	Open & Dept. Promo.	April 9
Labor Relations Analyst	Open, Nonpromo.	April 9
Labor Relations Specialist I	Open, Nonpromo.	April 9

Examinations in Progress

Title	Status
Account Clerk II	Written test scheduled for March 21
Accounting Analyst	Interviews anticipated in March
Associate Accounting Analyst	Interviews anticipated in March
Janitor Supervisor I/II	Interviews anticipated in March/April
Personnel Assistant I	Interviews anticipated in March/April
Associate Civil Engineer	Interviews anticipated in April
State Forest Ranger III/IV	Interviews anticipated in April
Programmer I	Interviews anticipated in April/May

Final filing dates are tentative. Do **Not** submit applications for examinations until the Bulletin has been released.

Mark your calendar

A retirement party will be held for **Fire Captain Tom Sumpter** on Saturday, March 14, 1987 at the Trinity Alps Golf Course in Weaverville. The cost is \$11.00 per person for a buffet dinner. Festivities will begin at 7 p.m. Checks may be made payable to Gene Starks at P.O. Box 1296, Weaverville, CA 96093, (916) 623-4201.

(Cont. on back pg.)

PURGE

To all of you on the retiree or general mailing lists (not current CDF employees):

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Here

Office of Information & Public Affairs
1416 Ninth Street, Rm. 1516
Sacramento, CA 94244-2460

Your name is on our mailing list to receive the California Department of Forestry and Fire Protection newsletter, the *Communiqué*. If you wish to continue receiving this publication please sign this form, cut it out, fold, staple together, place the correct postage, and return it to CDF by April 15, 1987. If this card is not returned by April 15, 1987, your name will be removed from our mailing list.

This notice is required annually by Government Code Section 14911.

Please correct address on this card if incorrect.

Correct address:

(Calendar cont.)

NYP is having its **annual party** on Saturday, March 14, 1987. The cost is \$28.00 per couple and includes fresh cooked Eureka Dungeness crab, salad, french bread, and dancing to the Shady Creek Band. The party will kick-off at 6:30 p.m. in the Senior Citizens Building at the Nevada County Fairgrounds in Grass Valley. RSVP by March 7. Make checks payable to NYP Party Committee, c/o CDF, 13760 Lincoln Way, Auburn, CA 9560, (916) 823-4905.

The **Tom Barnes retirement** celebration party will be held Saturday, March 21, 1987 at 6 p.m. Dinner will begin at 7 p.m. with a buffet. Cost is \$15 per person and includes tax, tip and gift. The deadline for reservations is Friday, March 6. Make checks payable to: Tom Barnes Retirement; Attn: Annette Cornely, 3800 No. Sierra Way, San Bernardino, CA 92405. Dinner is limited to 250.

A **retirement party** will be held for **State Forest Ranger I Tom Aitken** on Sunday, March 22, 1987 at 1 p.m. The cost is \$10 per person and includes a buffet. Make your checks payable to the CDF Retirement Fund, c/o Oak Glen Conservation Camp. For more information: (714) 797-5418, Deadline: March 13.

Save Friday, April 10, 1987 for **Don Peterson's retirement dinner** to be held at the Red Lion Inn in Sacramento at 6 p.m. The cost is \$17.50 per person for either Chicken Kiev or London Broil. Deadline for reservations is April 3. Make checks payable to the Fire Protection Coffee Fund and send to Betty Bechtel, CDF, P.O. Box 944246, Sacramento, CA 94244-2460. Phone: (916) 322-0178.

Forestry's 25-Year Club members, associates and friends need to set aside the weekend of Saturday and Sunday, April 11-12 to renew old acquaintances, check-up on old friends, and make new ones at the annual "gathering of the clan" to be held in Sacramento at the Sacramento Inn which is located just off Highway 99/ Business I-80 and Arden Way.

According to club president, Arlene Keiunji a flyer was automatically sent in mid-February to members who have attended any of the past three annual meetings or who have been paying their

dues, and to all who will receive their 25-Year Service Award during 1987. Anyone not receiving a flyer may obtain one by contacting the Secretary-Treasurer Frank Quadro at 1749 Mission Avenue, Carmichael, CA 95609 or (916) 487-4455.

As customary, the group's activities will begin with their renown Saturday afternoon registration and happy hour. That evening, a prime rib dinner and live orchestra dance will follow. A Board of Director's meeting on Sunday morning will conclude the affair.

Time again to plan for the **CDF Wagon Train** annual meeting to be held in conjunction with the CDF 25-Year Club annual get together in Sacramento on April 11, 1987. For more information contact Walt Bolster at (916) 423-1816.

Prior to the 25-Year Club get together and the CDF Wagon Train meeting the **12th Annual CDF Golf Tournament** will be held April 9 and 10 at the Dry Creek Golf Course in Galt (just outside of Sacramento). For information about fees, tournament rules and deadlines contact Chairman Frank Cotter at 5631 Churn Creek Road, Redding, CA or (916) 221-3460.

Softball '87. We received the following poem from the Shasta-Trinity Ranger Unit Buzzards concerning the softball poem by Tess in the January *Communique*:

Foul Ball

To Tess Albin-Smith
We do say
Regarding the softball poem
In January's *Communique*
Our Ranger Unit personnel
Who swung the bat and hit the ball
Feel the've been slighted
And don't feel so tall
Because it was the Buzzards'
Who won the GAME
And not the 'Bluff Cowboys'
Who the Shasta Team TAMED!

From Tess we have the following response:

Umpire's Appeal
For those of you
Who came in late
The Buzzards WERE the champs
of the '86 MSACRIST* fate

So the winners of this game
And for six years I must add,
Is Region II again.
Can't we end this charadeAA6F
Sac HQ won the first time,
When only eight teams played the game

Now with 20-plus competing
Some other region could do the same
If you want to play ball
It takes four women plus six men,
All the rules will be sent
Just call here when you can.

*MSACRIST: Mike Schori Annual Co-Rec Invitational Softball tournament

- Elk Grove, May 23-24 (near Sacramento)
- Camping, refreshments, childcare
- Call Tess Albin-Smith (916) 322-0165 ASAP

Kudos

To **Fire Economics Analyst Glen Lee** of the Fire Planning staff in Sacramento for his diligent efforts in maintaining the stability and creditability of the California fire economics simulator (CFES) project during the past two years while several personnel changes occurred on the planning staff from Don Perkins, Fire Planning Coordinator.

To the **Parlin Fork Conservation Camp** crew for the job they did on the grounds at Fort Bragg High School during Christmas recess from the Fort Bragg High School.

To **Fire Apparatus Engineer Kirk Van Patten** for his recommendation of standardizing map usage throughout the state with the purchase of large wall-size Thomas Brothers' maps, as well as two copies of the Road Atlas and Travel Guide for every CDF emergency command center. Standardization insures efficiency of emergency response at the state, region, and ranger unit levels. Kirk received a \$55.00 merit award for this improved procedure.

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