



# The Newcastle



Vol. 29 No. 7

U.S. Army Corps of Engineers, Los Angeles District

July 1997



**District Headquarters celebrates 222d B-Day of the Corps (See inside)**



# Army to build on Air Force land

by Herb Nesmith

Proposed Army construction on Air Force land in North Las Vegas, Nev., will have no significant impact on the environment, the district and Nellis Air Force Base said.

The 3.2-acre construction site is owned and administered by Nellis AFB, and is near but not part of the main base.

The Army's 6th Recruiting Brigade is presently headquartered at East Fort Baker, Calif., in Marin County just north of San Francisco – in fact, right at the north end of the Golden Gate Bridge. Ft. Baker is one of three former World War II coast artillery and postwar air defense installations in the Marin Headlands. The post is scheduled for closing.

The brigade will move to Nellis, but that base does not have a suitable facility for it to move into. The Army will have a 27-year lease on the land from the Air Force and the Corps of Engineers will build a new 19,200-square-foot brigade headquarters for the U.S. Army Recruiting Com-

mand.

The facility will include offices, classrooms, a communications center, general purpose rooms and a 100-car parking lot. Construction will begin in November, and is expected to take about a year to complete.

Joy Jaiswal is the technical manager and John Moeur the project coordinator. Both are with the Environmental Design Section of Planning Division.

An Environmental Assessment and Environmental Baseline Survey Report are now in draft form. Based on the findings of the EA, no significant impact from any facet of the proposed project is anticipated on human health, the natural environment or culturally-significant resources.

Copies of the documents are available for review at two Las Vegas area public libraries. Comments from the public received before Aug. 10 will be made part of the final EA and baseline study.



## Vandenberg features fire station for the future

Vandenberg Air Force Base this month opened a brand new fire station, and it's ready for the fast-approaching 21st Century. It was designed and built from the ground up to accommodate state-of-the-art firefighting equipment.

"Other stations on base either have the same equipment, or they are getting the equipment, but they weren't built that way," said Dan Ardoin, battalion chief at the new Fire Station Five, of the Corps project for the Air Force.

"This facility was built that way. It was designed to carry fire department operations through the next century." The other base fire stations having to retrofit to handle new equipment, said Harland Kroll, head of the district's Vandenberg AFB Resident Office.

Located between two space launch complexes, the station houses six fire protection vehicles, such as a 5,000-gallon water tender, brush truck and rescue squad vehicle, it uses in furnishing fire protection to some 50,000 acres

and 12 miles of coastline. In addition to firefighters, it houses members of a helicopter rescue team.

It also features a special washing machine and dryer to wash hazardous materials out of the special clothing used in fighting fires.

The Space & Missile Times, the base newspaper, describes the Corps' project this way: Not only does the new station take firefighters into the next century with the latest equipment, but (also) it provides them with a new, beautiful home.

The station has individual bedrooms, a training and weight room, and a full kitchen with an ocean view. Outdoors it has a basketball court, horseshoe pit and sheltered picnic area complete with barbeque.

Pretty fancy for a fire station? Not when you consider a firefighter's duties and responsibilities. "We spend over 40 percent of our lives here," Ardoin said.

### The Los Angeles District Newcastle

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## WE GET LETTERS..

Dear Sir:

When I retired from the Los Angeles District in 1973, I left with great personal satisfaction having had a career with the U. S. Army Corps of Engineers from 1948 to 1973. My Employment started in St. Louis with the upper Mississippi Valley Division (no longer in existence) and later with the St. Louis, Los Angeles, Sacramento and San Francisco Districts. I learned first hand the extensive work performed by the Corps of Engineers and how the infrastructure of the country has benefited.

Therefore, I am pleased to advise you that in 1996, I funded the Harvey Serenco Endowed Scholarship in honor of the U. S. Army Corps of Engineers in the School Of Engineering at Washington University in St. Louis, Missouri ( my alma mater-Class of 1948). The Scholarship is endowed in perpetuity. The first scholarship was given to a student for the Fall of 1966 school year.

Earning from the principle ( \$50,000) will be used annually to support a student in the School of Engineering. As the years go by, the principle will grow because of the successful investment practices of Washington University.

Once a year the University has a scholarship dinner at which time donors of scholarships meet the recipients. Last year in November I was Pleased to meet Major wood who as Deputy to the District Engineer of the St. Louis District accepted an invitation from the University to attend the dinner.

Sincerely yours, Harvey Serenco

(ED.NOTE: Mr. Serenco received a Certificate of Recognition from Washington University's School of Engineering and Applied Science for his endowment.)

### Dwyer wins 3d Qtr MWR Peer Award

Congratulations to Steve Dwyer, the 3rd Quarter winner of the Peer Award presented by the MWR Committee. Steve's respect by the employees under his supervision has earned him the first peer award presented to a supervisor. Steve has been in the District for many years, having worked under Bob Land (retired chief of Operations Branch) prior to becoming chief himself. He has also lectured at USC.

Steve has been responsible for creating a working environment that is supportive of actions taken by his employees. Congratulations, Steve. Steve will receive \$250 or free parking in 911 Wilshire for 3 months.



Proud winner .....Tak Matsuoka won the Colonel Teague Golf Trophy for 1997.

### MWR looking for winner

The Morale, Welfare and Recreation (MWR) Committee evaluates submittals for the Peer Award quarterly. The award is either free parking at 911 Wilshire for three months or \$250 cash! The award is given to an individual who has demonstrated to his/her peers that their performance on or off the job deserves recognition. The individual may have given hours of service in their community which goes unnoticed by most of us or they may have conducted themselves on the job in ways that their co-workers believe have contributed to the success of their organization and /or the morale of the office.

According to MWR Chairman Dave Weaver, if you would like to nominate YOURSELF or an INDIVIDUAL for the award, it's an easy process. A copy of the application can be obtained from members of the MWR Committee.

To submit an application, you can do so in one of three ways. You may give it to your MWR representative, by sending it via LAN to myself or Margie Tizon, or by sending it in a sealed envelope to one of us. The name of the person making the submittal is kept confidential, even to the person being nominated, unless it is yourself.

Those employees that are not selected will have their applications retained and considered for quarterly awards for up to one year.



## Deputy District Engineer bids farewell

Just like in the old cowboy movies, one of the District's own will be riding off into the sunset of the Arizona Old West. LTC Wylie Bearup, deputy district commander, has been reassigned as the Professor of Military Science, Department of Military Science at Arizona State University in Tempe.

The deputy commander spent over two and one half years with the District, including over a year in the Arizona/Nevada Area office. While in the Arizona area office, he served as area engineer while the current engineer, Joe Pickens, completed a developmental assignment at District headquarters.

Bearup has made the Corps of Engineers his home since coming into the service. It was the field of engineering rather than the fields of his parent's ranch home in central Arizona (where they still live) that held Bearup's interest after high school. He attended the University of Arizona on a ROTC scholarship, graduating with a degree in structural engineering and receiving a commission as a second lieutenant.

"I always enjoyed the construction and building part of engineering. After a project is done, you can walk away from it and pretty much know it will be there forever," said

Bearup. "You can put your name on it or you can kick it and it will still be there. I enjoy the aspect of creating something. I've been able to do that during my career with the Corps."

That Army Corps career has taken him a long way from his childhood home in Arizona where he and his three brothers grew up.

Since his career beginning, Bearup has completed assignment tours overseas and stateside. He served in Fort Campbell, Ky., with the 101<sup>st</sup> Airborne Division (Air Assault); at the 7<sup>th</sup> Engineer Brigade in Stuttgart, Germany; in Vicksburg, Ms., at the U.S. Army Engineer Waterways Experiment Station; and on a family-accompanied tour in Saudi Arabia with the U.S. Military Training Mission. He has also served at Port Hueneme, Calif., with the Naval Civil Engineering Laboratory.

Along with his experiences working in Army engineering jobs around the world, Bearup has earned both a masters and doctorate degree in engineering while in the military.

"Continuing my education as well as working in different jobs in the Army has actually taught me two

sides to engineering," said Bearup. "In the Vicksburg Research and Development Center, I was responsible for repairs, evaluation, maintenance and rehabilitation projects intended to extend the life of civil works projects and support the Corps' civil works mission. When I worked in combat engineering with troop units, I researched ways to blow up bridges and buildings. I came to know both how to destroy things and how to build them!"

"After my Corps experiences providing both civilian and military support, I began carrying a small, green, six-inch Army figurine of a soldier with a mine detector around with me. I always place it in a prominent position in my office to remind me of what we are all doing," said Bearup. "That is - supporting both the soldier and the Army Corps mission."

On his departure from the Corps to assume his new duties, Bearup expressed mixed emotions and offered some advice to those he leaves behind.

"We have some very remarkable staff in the L.A. District. Everywhere I've been there has been a lot of people dedicated to the Corps mission - from the field office, resident offices to within the headquarters. They go out of their way to help, if possible. It is a

challenge to give them the resources to enable them to 'do their thing,'" said Bearup. "I've really enjoyed working with everyone, especially our current district engineer Colonel Davis. He has been great to work with."

"The future is bright for this District. We have a great opportunity to go out and take on new work. There is opportunity to develop our support for others and market ourselves to other agencies. We do civil works projects very well but on our military projects we have to find a better, cheaper and faster way to offer quality services," said Bearup. "In the future, there are going to be fewer projects such as the Seven Oaks Dam or the Port of Los Angeles, so the challenge is to find smaller jobs and use processes that enable us to complete them faster and more cost effectively."

In appreciation for his service to the District, COL Davis presented Bearup with a Meritorious Service Medal. Bearup will join his wife, Yulon, and two daughters; Darshon and Brianne who will both attend the school where he will be teaching this fall.



## Sponsor, public like project plan

by Herb Nesmith

Floods in the desert? Yes indeed, and they can be fast, dangerous floods. With little or no topsoil and carpets of thick vegetation, not much falling rain is not absorbed into the ground. Instead, it falls on rock and gravel, and, as water does, immediately seeks the lowest elevation.

When rain falls on the mostly barren, rocky soils of the desert, the runoff wastes little time heading downslope. As it flows downstream, it gains speed and volume as runoff from other sources joins it. The result can be a flash flood, with the water roaring down normally-dry, sandy washes and arroyos – and it gives little warning time to get out of its path.

Tucson is familiar with desert floods, as Arizona's second-largest city, the seat of Pima County, has been hit more than once. Located in the southern part of the state, it lies in the northern part of the Sonora Desert of northwest Mexico and the southwest United States. The desert landscape can be beautiful, and at the same time deadly.

The problem is water – generally too little but sometimes too much. The Corps cannot do much about too little water, but it can help control flows where there is too much.

In the past, water came down Arroyo Chico in such volume that it overflowed its banks and flooded parts of the city. It can happen again any time. That is why there is no apparent disagreement over a potential Corps project, currently in the study stage, that could reduce flood damages by 90 percent from current conditions.

The Tucson Drainage Area includes the watershed of an arroyo with two names. As it comes into town from the east, it is Arroyo Chico. When it hits central Tucson, it goes underground and its name changes to Tucson Arroyo. Conduits beneath the pavement and buildings carry water under the city and drain it into the Santa Cruz River to the west. But when there is too much water for the arroyo and the conduits to handle, there is a flood.

A project feasibility report and environmental impact statement, both presently in draft form, conclude that a recommended project is in the federal interest, meaning it has a favorable benefit-to-cost ratio – it would prevent more in damages than it would cost to build it.

An earlier reconnaissance study of 15 streams in the city found two separate feasible flood-control plans, one on

# Tucson Arroyo

the Tucson Arroyo/Arroyo Chico watershed, the other on the Columbus Wash watershed. The follow-up feasibility study focuses on the arroyo, with local sponsors having the option to pursue a separate, in-depth Columbus Wash study.

And the potential flood-control project does indeed already have local sponsors who want to see the not-yet-officially-proposed work become a reality: the Pima County and Flood Control District, in cooperation with the City of Tucson Department of Transportation. In fact, the sponsors have already done some work, in advance of the completion of the project feasibility report.

"Pima County has been a full partner in every sense of the word," said Los Angeles District Engineer COL Robert L. "Larry" Davis at a public meeting in Tucson to review the draft report and EIS, and the findings that produced the Corps' recommended solution.

The majority of the structures in the flood plain are residences, Davis said, and noted that the sponsors' advance modifications to the city's flood-control system last year had already prevented flooding.

Of the alternatives considered to control flooding in the arroyo, only one was economically feasible, Davis said. It consists of two detention-basin complexes, limited channel deepening in one area and modifications to the underground conduit at one location. The basins will be as much as 20 feet deep at some locations, lower than the channel beds of the arroyo and washes that feed into it, and will feature riparian habitat for wildlife.

Representatives of Tucson City Council members were in attendance at the meeting. One asked for clarification of some points, which she received. Both praised the Corps for its efforts to ease flooding problems.

A member of a local recreational bicycling association said he had seen flooding in the area and expressed his support of the project, which bike paths are a part of.

Scott Richardson, wildlife biologist with the Arizona Department of Game and Fish, likes the project and believes the detention basins' wildlife habitats will help educate the public about wildlife. "I'm excited about it," he said. The project will allow the public to view urban wildlife, an interest already expressed in prior public opinion survey. "They're excited about it too," Richardson said. "State Game and Fish has been involved in planning the project, and wants to continue to be involved."





# District partners with Arizona Division of Emergency Management

by Mona Lee Goss

Few people associate Arizona with the need for any flood control but the Army Corps of Engineers L.A. District recently screened over 1,200 potential flood control sites throughout the state. The Corps cooperated in the screening with the Arizona Division of Emergency Management (ADEM).

The action was a result of new policy guidance by FEMA, which excludes their future assistance for permanent repair of flood control sites. Instead, FEMA identified the Corps as the lead agency, and its PL (Public Law) 84-99 Rehabilitation Program, for such repairs. FEMA also lists other agencies that may have applicable programs, like the National Resources Conservation Service (NRCS), for sites that do not meet Corps mandated criteria for inclusion in the program.

"No other state has taken such a proactive role in working with the Corps on this problem. As a result of this team effort, there will be information on hand to guide sponsors after the next flood on how they can get assistance for repair of their structures," said Jim Crum, chief of emergency management.

Arizona subsequently took the lead in collecting information on the potential flood control sites, spending nine months in the field evaluating each one. The sites were then placed into categories developed by the Corps and ADEM - **Corps eligible Flood Control Works (FCWs), Local Drainage, Irrigation, Bank Erosion, Dams, Recreation, and Channel Alignment.**

The first category set up by the team was **Corps eligible Flood Control Works (FCWs)**. There were 130 sites found after the inspections and evaluations that had flood control as their primary purpose. For a site to be considered a primary FCW, according to Corps criteria, it must be "a structure designed and constructed to have appreciable and dependable effects in preventing damage by irregular and unusual rises in water."

Other criteria to be eligible for the PL 84-99 Rehabilitation Program are for a site to be a regional FCW with the primary purpose of flood control and adequate erosion protection (i.e. non-earthen). Structures that sustain erosion damage are not eligible under PL 84-99 but instead can be repaired under Section 14 of the Flood Control Act of 1936, administered by the L.A. District Planning Division.

FCW sites not meeting the Corps' criteria for FCWs as stated above, numbered 120. They will receive letters from the Corps identifying improvements required for eligibility into the PL 84-99 program. Once they are brought up to standards they will be reinspected for inclusion.

The remainder of the state evaluated sites fell into the following defined categories.

A site belonging in the **Local Drainage** category rather than FCWs category drains a localized area or a

single development rather than draining a regional area. Further criteria differentiating a local drainage structure from a FCWS site is one whose area is 1.5 square miles, one that has 800 cfs design capacity or one that is 400 square miles and a non-urbanized area, according to Corps regulations. 158 were placed in this category.

The **Irrigation Works** category was for sites whose primary purpose is to provide irrigation water. Over a hundred sites fell into this category and also in the Bank Erosion category.

Those sites placed in the **Bank Erosion** category were ones, which only protect a specific structure or utility with a localized section of hardened protection on a bank or levee. By contrast, a FCWS requires hardening or bank protection over an entire reach or project length to offset velocities in transporting floodwater through a region.

Local Drainage, Irrigation Works, and Bank Erosion projects, though not eligible for repair or restoration under the Corps' program, were identified as candidates for eligibility under the NRCS Emergency Watershed Protection Program or through FEMA DSR reimbursement.

The **Dam** category was for sites having significant structures with engineered embankments, outlet works and storage. There were 400 sites placed in this category. Not eligible for Corps assistance, they can be helped through the National Dam Safety Program administered by FEMA. Associated with this category were sites defined as Flood Control Detention/Retention Basins. These structures were viewed as pieces of a flood control system where floodwaters are manipulated or retained and then reentered into the flood control system at controlled levels. Retention/retarding basins are considered to be a part of a FCWs structure. These basins would be evaluated only if the FCWs met the Corps' criteria.

The final two categories included sites determined to be **Recreation Structures** and **Channel Alignments**. The main purpose of sites in the Channel Alignments category is considered to be redirecting flow to a location or area as opposed to channelizing the flow from point A to point B where protection of a regional area is accomplished. They do not meet eligibility requirements for the Corps rehabilitation program.

There were 20 federal projects that were determined to be under another agency's responsibility such as the Bureau of Reclamation, Bureau of Indian Affairs, Bureau of Land Management, U.S. Forest Service, Arizona Department of Transportation or State Fish and Game.

Now that the evaluation and separation into categories has been completed, L.A. District's Emergency Management Branch has taken the 1,200 sites and incorporated them into a comprehensive database.

"Both the Corps and the state felt that this was a successful team project, which will make repair, and restoration of flood damaged structures easier and more efficient," said Crum. "We recently recognized ADEM team members with letters of recognition for their support in putting together this project."

The EM Branch is pursuing similar partnership projects with sponsors in California and Nevada, according to Crum.

# New Deputy District Engineer reports in

by Herb Nesmith

LTC Charles V. Landry arrived in July to be the Deputy District Engineer. He replaces LTC Wylie K. Bearup, who goes home to the Phoenix area to be a professor of military science and tactics in the Army Reserve Officers Training Corps program at Arizona State University.

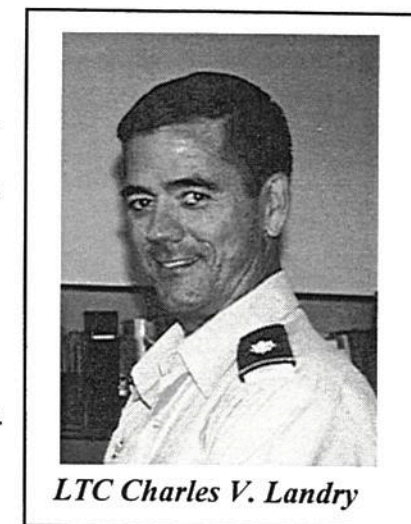
Landry spent several day in the district before his actual reassignment to LAD, working with Bearup on several projects and attending a monthly Union-Management Partnership Council meeting.

Landry did not have far to travel to get to district headquarters in downtown Los Angeles. He came from the Los Alamitos Armed Forces Reserve Center – about 30 miles south, just into Orange County – where he was chief of the Combined Arms Division, U.S. Army Readiness Group Los Angeles.

This is his second assignment to the Corps of Engineers. From July 1988 to July 1992 he was with Vicksburg District as deputy resident engineer and deputy area engineer for the Red River Waterway at Shreveport, La.

His other previous assignments were, in Germany, from 1991 with the 1st Infantry Division and 3rd Infantry Division in Bamberg, Headquarters U.S. Army Europe and 7th Army in Heidelberg, and the 3rd Armored Division in Hanau. He has also served with the 7th Infantry Division (Light) at Ft. Ord, Calif.

Landry holds both BS and MS degrees in civil engineering from Texas A&M, and an MBA from Centenary College in Shreveport. He is also a graduate of the Command and General Staff College at Ft. Leavenworth, Kan., and the engineer officer basic and advanced courses at Ft. Belvoir, Va.



He is a registered professional engineer in Texas and a member of the American Society of Civil Engineers and the Society of American Military Engineers.

His military awards and decorations include the Army Meritorious Service Medal, Army Commendation Medal, Army Achievement Medal, National Defense Service Medal, Army Service Ribbon and Overseas Service Ribbon.

Landry is a native of Los Angeles, and he and his wife Kay live at Ft. McArthur in San Pedro. His hobbies are hiking, skiing and cycling.



*'Catch up on your homework.' LTC Wylie K. Bearup (left), departing DDE, hands off to new DDE LTC Charles V. Landry a copy of the district history, written by Dr. Anthony Turhollow (center) of Public Affairs.*



## Prehistoric campsite found at FDA Lab site



*The archeology dig at the site of the proposed U. S. Food and Drug Administration's Mega Laboratory at the University of California at Irvine was a bee hive of activity.*

by Donn R. Grenda, Statistical Research, Inc.

**NEWPORT BEACH, Calif.** -Rarely does the opportunity arise to conduct intensive archaeological investigations using cutting-edge geophysical remote sensing techniques untested on prehistoric hunter-gatherer sites in southern California. The opportunity arose early this year with the data recovery project at the site of a new Food and Drug Administration Lab on Newport Bay, undertaken by Statistical Research, Inc. (SRI) for the U.S. Army Corps of Engineers, Los Angeles District (LAD). Preliminary results indicate that resistivity and magnetic surveys successfully mapped the site boundary, the exact locations of prehistoric houses, trash pits, and hearths, and allowed the archeologists to focus their field efforts on those areas of the site that contained the most research potential.

The project developed when the Food and Drug Administration proposed to construct the Irvine Mega-Laboratory on a site eligible for listing in the National Register of Historic Places. To develop this land, FDA, must comply with Section 106 of the National Historic Preservation Act, the Native American Graves Protection and Repatriation Act, and other federal laws and regulations protecting cultural resources. FDA entered into an agreement with the USACE, whereby the latter agency was designated the lead federal agency in complying with these mandates.

Together with FDA, the California State Historic Preservation Office, the Advisory Council on Historic Preservation, and the Gabrielino Indian Tribe, the LAD developed a Memorandum of Agreement. One stipulation was the development and execution of a data recovery plan. To complete this task, the district called on SRI, the cultural resource management firm that holds the Los Angeles District on-call contract for cultural resources services.

### ***Culture History and Site Structure***

Southern California was inhabited by highly mobile hunter-gatherers as early as 10,000 years ago. Although early sites are rare in Orange County, settlement dates to about 8,500 years ago (Mason and Peterson 1994). Sites dating to the subsequent Millingstone period (8,000 to 3,000 years ago) are more common and indicate an economic shift from mussel shell exploitation to cockle shell use that mirrors changes in the local bay environment. However, it is not until around A.D. 500 that Newport Bay hosted a relatively large, less mobile, population. The FDA Lab location is one of many hundreds of sites that date to this Late Prehistoric period.

Although literally hundreds of prehistoric sites have been investigated on the Orange County coast, archeologists have yet to document the remains of prehistoric structures. Instead, structure location has been inferred from the location of other features such as hearths or trash pits and early Spanish accounts of villages. However, because shell middens are difficult to interpret, discussions of how long a site was occupied, by how many people, and how the site was formed are very limited. For most sites, reports tell us little more than the inhabitants used the location intermittently and survived on rabbit, nearshore fish, and shellfish. As a result, the increase in archeology has failed to provide greater insights into the prehistory of the southern California coast.

Traditionally, archeologists have treated middens in their entirety. Some work under the assumption that occupation took place at one time with activities distributed evenly throughout the site. Others argue that regardless of how many occupations took place or where the activities were distributed, by excavating enough of the midden, all past activities are represented. These assumptions have led to strategies that rely on excavating relatively small units



that are distributed through some form of probabilistic or systematic sampling technique. Archeologists, then, generalize the results from the sample to the entire site.

If one's goal is to estimate the number of projectile points or the proportion of particular animal species, then this approach is justified. But more often than not, archeologists use the results for more than simple estimation. Discussions of site function, permanency, chronology, cultural affiliation, and subsistence are forwarded. Yet, each of these research domains require different data sets. Generally speaking, the lack of progress on many issues of prehistory is due not to archeologists asking the wrong questions but to the fact that they try to answer too many of them with a single excavation strategy.

To address these issues, SRI used a resistivity meter to locate changes in the soil across the site. While this remote sensing technique is commonly employed to locate buried structures on historic sites, it has never been used on a prehistoric site in southern California. The contractor also used a magnetometer, which has been used successfully to find buried hearths in the area. A site map was made using the remote sensing data from the two instruments. After a week of remote sensing and a week of excavating anomalies indicated on the remote sensing maps the results were clear. The resistivity meter had mapped the depth of the top soil and clearly located large circular depressions that are the size of pit houses commonly found in other culture areas. The magnetometer mapped the location of hearths and other thermal features, many of which overlapped to precisely place large block excavation pits to fully recover these features. Although artifact analyses and distribution studies are in progress, initial results indicate that two pit houses, three refuse dumps, and one earth oven were excavated.

Although the results are preliminary, it appears that the archeologists located the first prehistoric structures in Orange County and demonstrated that internal site structure can be mapped prior to excavation. The payoff from this research will have a major effect on the future of archeology in the region. If site boundaries can be mapped through remote sensing, sites can be avoided. In addition, if site structure can be mapped, data recovery excavations can be focused and provide a much greater return for the same cost.



**Project Partnering.....** Looking over the plans for the new FDA Mega-Lab are (standing l to r) Greg 'Jue, UCI; Ted Hyman, Zimmer-Gunsul-Frasca Architects; Lloyd Lehrer, FDA; and Ed Gauvreau, USACE Medical Facilities. Seated are Did Demerjian, UCI and Dale Bulick, LA District project manager. (Photo by Egeler)



**Looking for evidence .....**

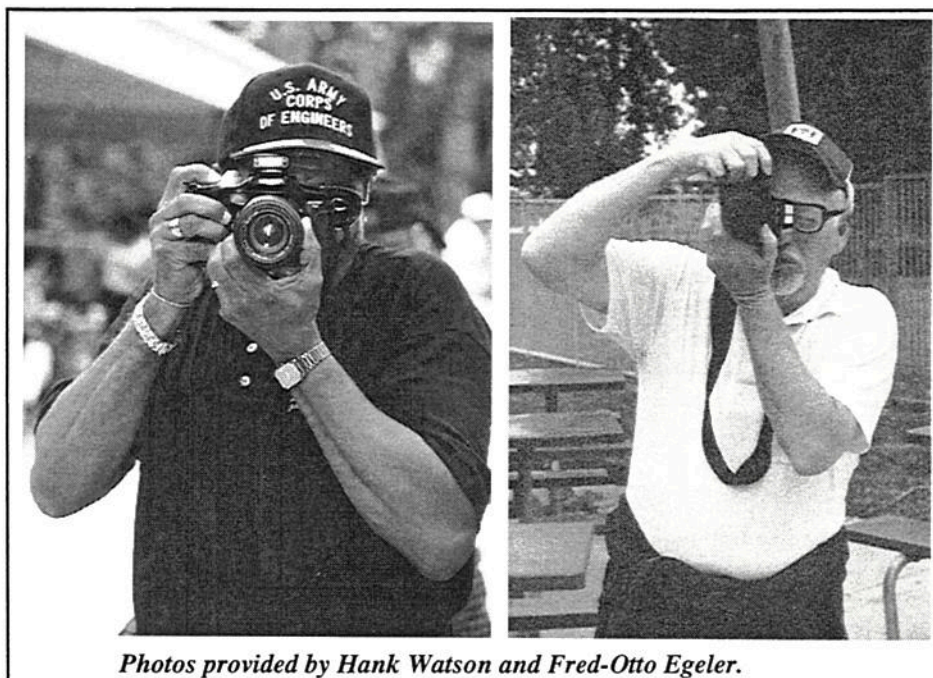
Garrett Sleeman searches through piles of shells from the archaeological dig from the FDA Mega-lab site near the University of California at Irvine. Deborah Gray shows off a sharks tooth that was probably used as a projectile point. Both work for SRI.

(Photos by Egeler)

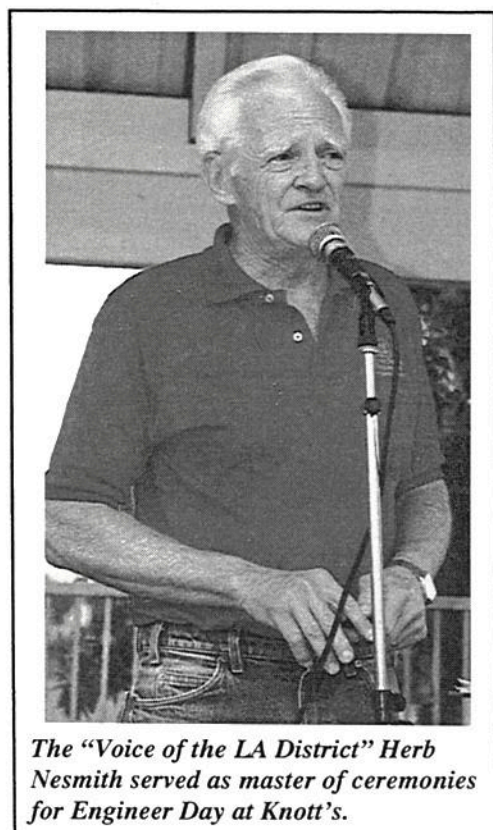




AWARDS  
SPORTS  
CLOWNS  
FOOD  
FUN  
TOP ENGINEER  
DAY EVENTS  
AT  
KNOTT'S  
BERRY  
FARM



*Photos provided by Hank Watson and Fred-Otto Egeler.*



*The "Voice of the LA District" Herb Nesmith served as master of ceremonies for Engineer Day at Knott's.*



*Tickets, tickets, tickets.....(above) members of the picnic committee took donations for prize tickets, while members of the District's Credit Union also ran a contest during the picnic.*







*'Bring me the winner..' (Benny Hill, Thames TV)....and here they are. The 1997 Softball Champs, the SCABS. From left to right Larry Kelley, Richard Cadena, Rubin Garcia, COL Davis presented the trophies, Eric Cadena, George Gastelum and Tony Flores. Other team members (not shown) were Jeff Nelson, Joe Mauhar, Shawn Johnson, Tracey Daggy, Carmen Lara, Christina Chavez, Sonya Gomez, Rudy Casillas and Desiree Rivera.*



*Angie Escamilla, center, and Stacey Williams, right, show off their Eagle Award watches they received from COL Davis for their outstanding work on the 1997 Engineer Day Awards Ceremony/Picnic.*



*Toastmaster of the Year Award went to Larry Kelley.*



*SPORTS.....SPORTS.....SPORTS....SPROTS....*



*Phil Serpa squats to hit a return shot in volleyball tournament.*



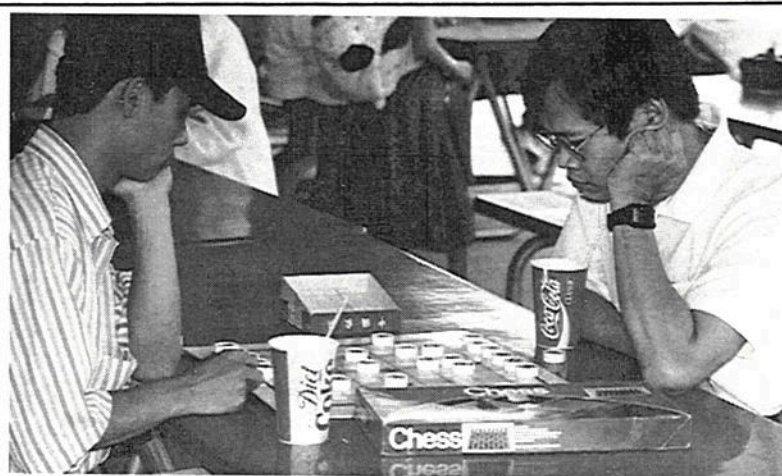
*Not bench warmers....just spectators enjoying the VB Tourney.*



*That's a ringer...Horse shoes was another favorite pastime.*



*LTC (Dr. 'B') Wylie Bearup is on the receiving end of the ring game as Dr. Dick Schubel (in rare form) tosses one into the air (if it landed, we know not where!).*



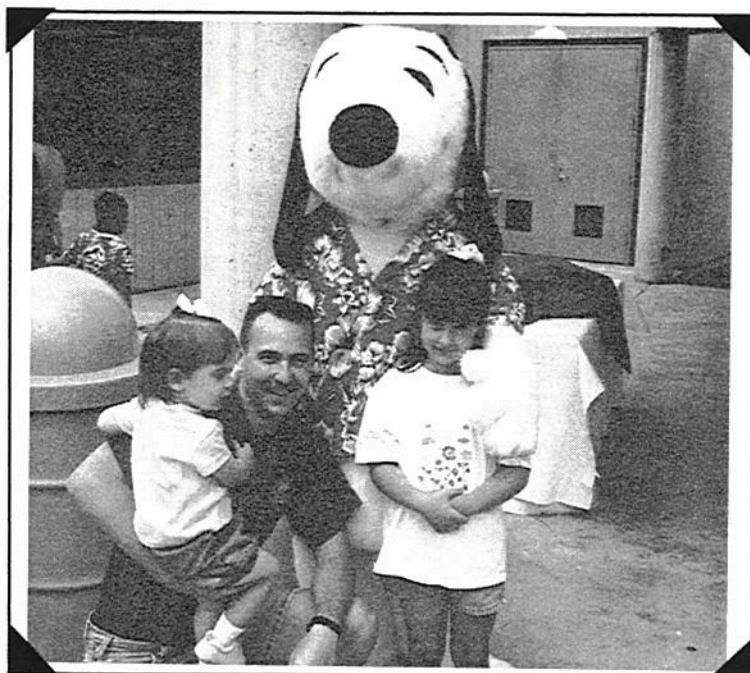
*A quiet game of chess kept Michael Phan and Phillip Eng busy.*



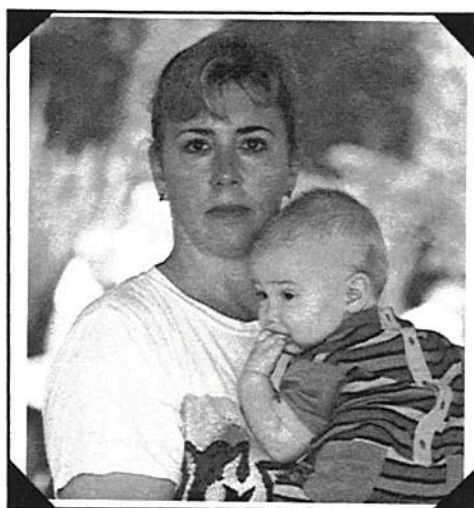
EXTENDED  
ENGINEER  
FAMILY  
PHOTOS



*Retiree Pat Grablin, above, took time out of her busy schedule to drive in from Valley Village and Gail Schneider drove down from the High Desert Office to enjoy Engineer Day.*



*CPT Keith Callahan, Edwards AFB Resident Office and his daughters Kati and Kenzie, enjoy posing with Snoopy.*



*Pam Castens sported her little guy, Graham, around for all to see.*

*Robert Ramos's daughter Ellie was entranced by her balloon puppy.*





# LENGTH OF SERVICE AWARDS

In its yearly presentation of Length of Service Awards, 158 Los Angeles District members in the Southern California area received certificates and pins for their years of federal service. Combined, their service totals 2,540 years.

Those members able to attend the annual combined Engineer Day-and-area-picnic were presented their awards by District Engineer COL Robert L. "Larry" Davis. Others received theirs at their workplaces.

District members in Arizona and Nevada were presented length of service awards at that area's organization day observation April 24 in Phoenix. In that event, 18 people received awards for employment totaling 330 years.

All together, this year 176 LA District employees were recognized for their combined total of 2,870 of federal career service.

Those Southern California area people receiving awards are listed below.

## 5 Years

Aguilar, José  
Andrus, Darien  
Bahner, Christopher  
Banting, Margaret  
Bass, Carvel  
Buxton, Darrell  
Chien, Clinton  
Crisostomo, Van  
Domínguez, Juan  
Dooley, Deanna  
Encoe, Larry  
Eshoo, Wilson  
Gavazza, Jeffrey  
Henderson, Tamara  
Hernández, Ana  
Huynh, Hoang  
Johnson, Joe  
Jong, Ze  
Kiesling, Adriana  
Lamb, Deborah  
Lara, Carmen  
Law, David  
Le, Cindy  
Mallette, Fran  
Martínez, Juan  
McNally, Michael  
Méndez, Alma  
Moore, Shelah  
Nahapetian, George  
Nevárez, Eleanor  
Nguyen, Don  
Nooranbakht, Bijan  
Oskooi, Cyrus  
Parker, Regina  
Pattermann, Kenneth  
Pedroarias, Genaro

Pomerantz, Dan  
Serpa, Phil  
Szijj, Antal  
Tang, James

## 10 Years

Bantigue, Leila  
Bennage, Yolanda  
Birger, Kate  
Castens, Debbie  
Conde, Greg  
Conel, Cheryl  
Erickson, Ernest  
Flynn, Joseph  
Hucks, Creg  
Kellough, Barbara  
Kelly, Larry  
Lalic, Cora  
Lesure, Harold  
Manring, David  
Okumura, George  
Parker, Dawn  
Presley, Nina  
Ramos, Robert  
Rivera, Bernard  
Rodríguez, Rosa  
Sallender, Tom  
Smith, Tamara  
Ulloa, Lynette  
Vandenstein, Irma  
Warner, Jeanne  
Williams, Mark



## 15 Years

Boswell, Lori  
Brady, Shane  
Brazier, Jewel  
Chang, Mo  
Cisneros, María  
Cisneros, Thomas  
Conley, Bob  
Dean, Terry  
Fischer, Franklin  
Fischer, Jody  
Fly, Carey  
Gallegos, Bill  
García, Eduardo  
Gutiérrez, Sheryl  
Hall, Stephanie  
Hallisy, Norma  
Heard, Jackie  
Kraft, Eldon  
Mays, Cynthia  
Mohageg, Rass  
Molina, Emmanuel  
Romine, Mitzi  
Ryan, Joseph  
Santiago, Lourdes  
Vandenstein, Elizabeth

## 20 Years

Barker, Haskell  
Benoit, Phil  
Brehm, Stuart  
Bullington, John  
DeZiauto, Monique  
Farve, Rey  
González, Jesús

Henderson, Dolores  
Hill, Carrie  
Hughes, Harry  
Hull, Gerrit  
Icekson, Isaac  
McFeaters, Pat  
Mendoza, Edgar  
Nakamoto, Ted  
Oliver, Sandra  
Powers, Mary Ann  
Rathbun, Charles  
Romero, Larry  
Trickey, Norma  
Tyson, Boyd  
Wallace, Joann  
Wright, Wayland

## 25 Years

Abubo, Roberto  
Asato, Stephen  
Burton, Bill  
Cline, Robert  
Eastman, Robert  
Evasovic, Mike  
Grigorian, Grigor  
Gustafson, Larry  
Hall, Tom  
Kronick, Christopher  
Mashburn, Glenn  
Nagle, Richard  
Okimoto, Linda  
Ong, Wing  
Queen, Donald  
Richards, Ralph  
Root, Barbara

(Continued next page)



# SERVICE AWARDS

## 25 Years (Continued)

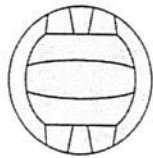
Saenz, Ernest  
Savard, Cora  
Takemori, Edward  
Warren, Karen  
Wosencroft, Herbert

## 30 Years

Andujo, Ramón  
Burwell, Lester  
Hamrick, Ralph  
Joe, Bob  
Kohnman, Ed  
Koralewski, Marlys  
Link, Jim  
Redfern, John  
Uchida, Hiroaki  
Weber, Ransom  
Wright, Charlotte



# Volleyball!!



Nine teams competed in two groups at the 1997 Engineer Day volleyball tournament, with the winners advancing to the next round of play.

It was a busy morning. "In all, we played 18 games – with just one net available," said Andy López, event coordinator.

When the dust settled, the winners were:

### 1st: Lefty Trio

Hap Pho  
Cynthia Wong  
Thomas Kies

### 2nd: West Side Volleyball

Mark Harvey  
George Gastelum  
Phil Serpa

### 3rd: Sand Crabs

Jim Hutchinson  
Sonia Stuckey  
Andy López

## ANOTHER SATISFIED CUSTOMER

(Actual authorship by the signatory of this letter to the Newcastle seems somewhat dubious; she may have had a little help from dad Ron [RMO].)

Thank you all for having me and my daddy out (at) the Engineer Day Picnic at Knotts (Berry Farm). It was fun. I tried to pet a chicken but he just ran away from me all the time.

At lunch my daddy tried to clean me up with a wet-one and he sat on the picnic table too far off the end. The p and our lunches fell on daddy as he fell on the floor. At that time daddy looked up to see two cups of berry punch with ice come at him also. Daddy got covered, he looked like I do after oatmeal.

After that daddy took me home to a bath and a nap. And he did a quick wash. But we had fun any way.

Please ask daddy to an other picnic soon. I like to see fat men, like daddy, bounce.

And if he ever rides me about my eating I can recall for him how he looked that day.

Thank you all,

Winnie Veelik, age 3

## 35 Years

Bryant, Emma  
Davis, Anna  
Gonzáles, Dee  
Hall, Robert  
Jacobs, Marty  
Spencer, Don  
Watson, Hank

## 40 Years

Carson, Vance  
Quijano, Edward



**Here's a history question:** *What do these three men, seen here at the picnic, have in common with the LA District?*

*The first three correct answers win a Space Commemorative Coin.*

*Send you answers to Public Affairs, Room 1525.*





**PICNIC COMMITTEE MEMBERS GET COINS.....***Four members of the 1997 Engineer Day Picnic Committee were recognized at a Monday morning staff call for their outstanding work. They collected and sold goodies and gift distribution tickets that made it possible for their District team members to attend for only six dollars. District Engineer COL Larry Davis (center) presented District Coins to Jennifer Delgado, Leila Bantigue, Gina Trujillo and Phil Serpa. (Photo by Egeler)*

**LOS ANGELES DISTRICT  
U. S. ARMY CORPS OF ENGINEERS  
PO BOX 532711  
LOS ANGELES, CA 90053-2325**

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Tucson Arroyo  
Arizona partnering**

*Annual Retirees Luncheon, October 16, Luminaria's Restaurant, Monterey Park (open to everyone)*