

### Music camp to end tonight with concert at BHS lecture ctr.

Music lovers of the community are invited to join parents and friends of more than 120 local 8th grade through 12th grade students in hearing a variety of music presented by these students tonight at 7:30 at the Burroughs High School lecture center.

The free program marks the conclusion of the seventh annual Indian Wells Valley Music Camp sponsored by the Sierra Sands summer school program, Elementary Music Parents Club, and the Burroughs Band Boosters.

Students enrolled have spent 4½ hours each day this week studying under the baton of Harold Warman, band director at San Diego State University, and several college students majoring in music who are assisting him.

This year, for the first time, a string ensemble has been formed under the direction of Deanna Rolph and Louise Bare.

A wide variety of music will be presented by the string ensemble and the concert band, and both flag girls and majorettes will present a routine.



PRODUCTIVE SUMMER CAMP — Harold Warman, band director at San Diego State University, has the full attention of some of the local students who have been attending a one-week music camp. Local residents will have the opportunity to hear the results of the special instruction tonight at 7:30 in the Burroughs High School lecture center when a free concert is presented. —Photo by Ron Allen



Commissioned Officers' Mess  
A western country cookout, with music suitable for such an occasion, will be the prime attraction at the next Membership Night fete that will be held tomorrow evening at the Commissioned Officers' Mess.

Cookout time is 6:30 to 9 p.m., and there will be musical entertainment by the "Country Breakdown," a country music combo from the Los Angeles area, starting at 8 o'clock and continuing until midnight.

Cost of this evening of dining and dancing is \$4 for COM members and their spouses, and \$5 for guests. Reservations can be made by calling the COM office, phone 446-2549.

Next Tuesday and Thursday, June 17 and 19, the COM will feature barbecue night and a steak cookout on the patio.

The menu for barbecue night (June 17), will be a country platter of pork spareribs and chicken, country potatoes, corn-on-the-cob, and hot biscuits with honey. For the steak cookout, T-bone steak, and baked potato will be featured.

Dinner on both evenings will be served from 5 to 9 o'clock.

#### Enlisted Mess

A seafood plate with lobster will start off the festivities at the Enlisted Mess this evening from 6 until 8:30 o'clock.

After dinner, "Millenium," a rock-music group from the Los Angeles area, will create the musical mood for dancing for patrons of the EM.

On Saturday night, Millenium will return and, in cooperation with the staff of the EM, will hold a dance contest (in addition to the evening's musical entertainment) for anyone wishing to participate.

Musical entertainment on both evenings will be from 9 o'clock to 1:30 a.m.

Next Friday, June 20, the EM will present live and on-stage, a rock-music combo ("Message") from Los Angeles. This musical group will be performing for the listening and dancing pleasure of EM patrons from 9 p.m. until 1:30 a.m.

### Hail, farewell fete for military officers set Thurs. at COM

One military officer who is leaving and five others who recently reported for duty at the Naval Weapons Center will be honored at a hail and farewell party that will be held next Friday, June 20, on the patio at the Commissioned Officers' Mess.

Mementos of his tour of duty at China Lake will be presented to LCdr. Chris Grauert, F/A-18 project officer, following a social hour that will begin at 5:30 p.m.

Military officers who are to be welcomed to NWC are Cdr. Bill Boatwright, LCdr. Bob Strath, Ltjg. Richard Feauto, Ens. Dennis Eberhart, and Ens. Ken Dorrell.

The evening will be concluded with a "cook your own" steak dinner on the COM patio for those desiring to stay for this part of the evening's activities. The charge is \$6 per person for charcoal broiled steak with all the trimmings.

Dinner reservations, which can be made by calling 446-2549, will be accepted until next Thursday, June 19. Tickets can be picked up at the door the following night.

U.S. Government Printing Office: 1980—No. 1030

From: \_\_\_\_\_  
To: \_\_\_\_\_  
PLACE STAMP HERE

to provide first aid services at parades, fairs, and similar events in the local area.

Instruction will include American Red Cross standard first aid training, cardiopulmonary resuscitation, and additional training given to emergency medical technicians as well as a special emphasis on rescue work. The instruction will be conducted by ambulance personnel, doctors and nurses in the local area.

Members of the Explorer Post will also be involved in a variety of fun activities such as camping trips, outings to places like Disneyland, and sports events.

The first meeting of the new group, which is a branch of an Emergency Medical Services Explorer Post at Lake Isabella, will be held on Thursday, June 26, at 7 p.m. in the upstairs conference room at the Drummond Medical Clinic.

Anyone seeking further information or wishing to sign up may do so by either telephoning Tri-County Ambulance at 446-5571 or visiting the ambulance service office at 309 Inyokern Rd., Ridgecrest.

### Museum schedules program about California condor

The California condor is the subject of a free program, sponsored by the Maturango Museum, that will be held on Thursday, June 19, at 7:30 p.m. in the Burroughs High School lecture center.

Sharing his expertise with those attending will be Lloyd Kitt, curator of the Western Foundation of Vertebrate Zoology. He will present a 25-min. film on the condor made in 1939-40 by Ed Harrison, president of the Western Foundation of Vertebrate Zoology.

Kitt has studied egg shell thinning due to DDT contamination, and has also spent time determining the status of condors in Baja California. He will present a slide program about this and current research projects concerning the condor, in addition to showing the film.

### Navy Wives Club yard sale underway

Friday the 13th is going to be a lucky day for bargain hunters as the Navy Wives Club holds a yard and garage sale from 8 a.m. until 2 p.m.

The sale will continue tomorrow as well, at the same hours; the sale will be in the yard at 51-A Stroop Ave., China Lake.

Items gathered to be sold include everything from furniture and clothes to books and gadgets. The proceeds from the sale will be used for various charitable purposes.

### Luncheon speaker to air views on women in management posts

Today is the last day to make reservations for a luncheon that will be held Tuesday under the combined sponsorship of the Federal Managers' Association and the American Society for Public Administration.

Featured speaker at the lunch will be Kirsten Hindsdale, who will discuss "Women in Management: Pitfalls and Potential."

The lunch will take place in the Mojave Room of the Commissioned Officers' Mess at 11:30. Reservations are required. They may be made by telephoning Fred Nathan, 446-2157, or Mickey Strang or Beverly Becksvort at NWC ext. 3354.

Menu choices are chef salad or country barbecued chicken; both cost \$3.35.

### Explorer Post offers training in emergency medical service

An Emergency Medical Services Explorer Post is now being formed in the Indian Wells Valley for young people between the ages of 14 and 20 who are interested in a career as an emergency medical technician, paramedic, nurse or doctor.

Both boys and girls are welcome in Explorer Posts of the Boy Scouts of America. No previous participating in scouting is necessary.

The local program now being organized by personnel of Tri-County Ambulance Service will provide members with training equivalent to that of an emergency medical technician. After completing the training, post members will be given the opportunity to handle actual medical services on ambulance runs in the Indian Wells Valley and

### Varied activities scheduled in June for young people

Two disco dances, a fishing trip and a bicycle repair workshop and bike ride are the activities for young people sponsored by Special Services in June.

Any youth 12-17 years of age may attend the first disco dance, which will be held tonight from 6:30 to 9:45. The second dance, which will take place next Friday, June 20, from 6:30-8:30 p.m., is for youngsters 9-11 years of age.

The cost for both dances held in the Youth Center will be 75 cents for an individual and \$1.25 per couple. Recorded music will be played for both dances.

Another activity is a fishing trip to Whitney Portals for youths between 10 and 17 years of age. A bus will leave with a maximum of 30 anglers from the Special Services parking lot at 7:30 a.m. on Thursday, June 19, and return at 4:30 p.m.

No fishing license is required for the trip, but a participant must have a signed permission slip, his own fishing gear and pole and a lunch.

The cost for the trip, which will be chaperoned by Bernadette Namauleg, is \$3. The Special Services Division also will sponsor a bicycle repair workshop and bike ride from 10 a.m. to 12:30 p.m. on Tuesday at the Community Center. Anyone between 8 and 14 years of age may participate.

Mark Hucek will be the instructor for the bicycle repair workshop that will cover such basics as how to fix a tire, loosen a chain and oil properly. A group bike ride around the China Lake area will follow the workshop.

Any participant must have his or her own bike and pay a \$1 fee.

Contact the Special Services office at ext. 2010 for further information.

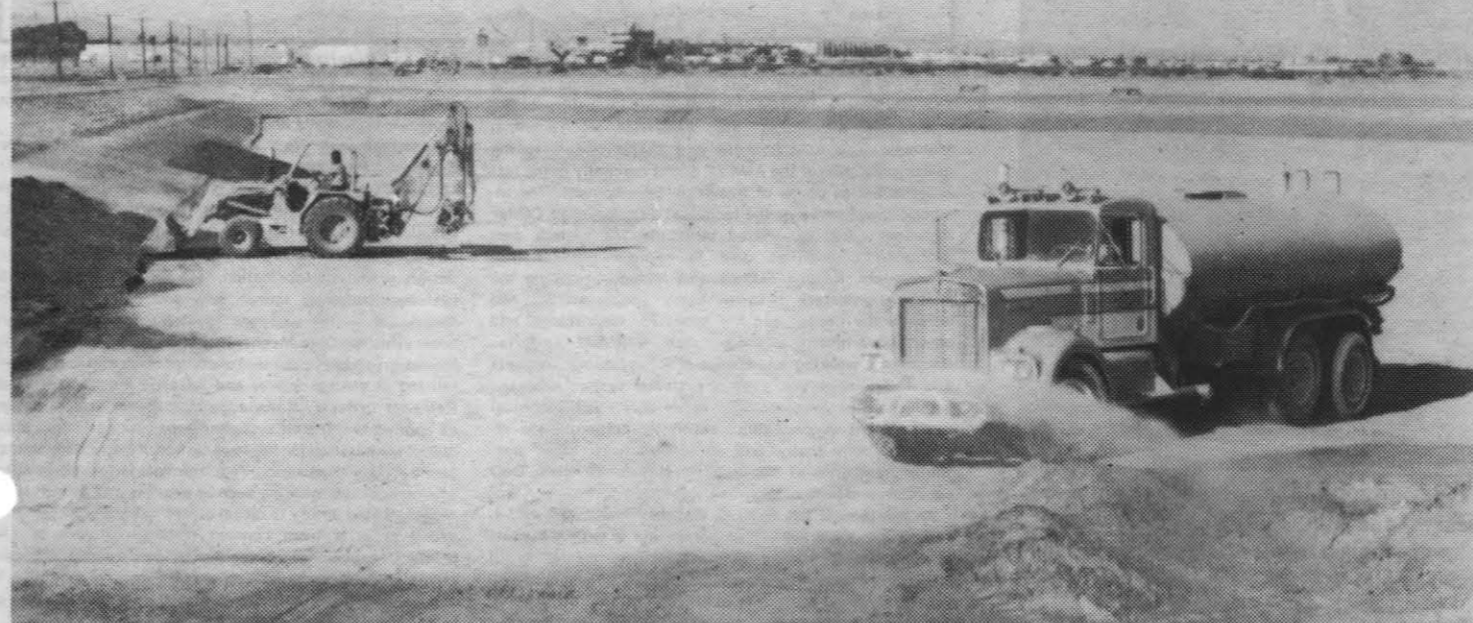
MOVIES  
G: ALL AGES ADMITTED  
PG: PARENTAL GUIDANCE SUGGESTED  
R: RESTRICTED  
Under 17 requires accompanying Parent or Adult Guardian  
Regular starting time—7 p.m.  
FRIDAY JUNE 13 "MEATBALLS" Starring Bill Murray and Harvey Atkins (Comedy, rated PG, 94 min.)  
SATURDAY, MONDAY JUNE 14, 16 "GOING IN STYLE" Starring George Burns and Art Carney (Comedy-drama, rated PG, 99 min.)  
SUNDAY JUNE 15 "JUNGLE BOOK" (Animated drama, rated G, 89 min.)  
WEDNESDAY JUNE 18 "PINOCCHIO" 2 p.m. Matinee "APOCALYPSE NOW" Starring Marlon Brando and Martin Sheen (War drama, rated R, 153 min.)  
FRIDAY JUNE 20 "THE JERK" Starring Steve Martin and Bernadette Peters (Comedy, rated R, 94 min.)  
SATURDAY JUNE 21 "LOVE AT FIRST BITE" Starring George Hamilton and Susan St. James (Comedy, rated PG, 103 min.)  
SUNDAY JUNE 22 "MUPPET MOVIE" Starring Bob Hope and Paul Williams (Comedy, rated G, 101 min.)



NAVAL WEAPONS CENTER  
CHINA LAKE  
CALIFORNIA

June 13, 1980  
Vol. XXXV, No. 24

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INDUSTRIAL WASTE PONDS PREPARED — Work is approximately 45 percent complete on two large ponds being prepared to handle industrial waste from laboratories and the Public Works area of the Naval Weapons Center. This pond and another, both located at the intersection of Lauritsen and Pole Line Rd., are a part of the regional waste water treatment plant that serves both NWC and the City of Ridgecrest, and is included

in the area proposed for annexation to the city. In the background can be seen Lauritsen and Michelson Laboratories. As this photo was taken, layers of crushed rock were being spread and wet down prior to being compacted to form the banks of the pond. This \$4,261,000 project, which includes more than 20 small ponds to handle waste water from various buildings in the Salt Wells area, is scheduled for completion in July 1981. —Photo by Ron Allen

## Status reported of proposal to annex Navy property to City of Ridgecrest

A move initiated 15 months ago by the City of Ridgecrest to annex a 7½ sq. mile area of the Naval Weapons Center's housing and work area to the city may be completed by as early as the end of the year.

That's one bit of information brought out during a meeting held last week by NWC and city officials to review the status of the annexation proposal.

The city's interest in having control over planning in connection with the use of vacant land and housing due to be declared excess to the Navy's needs, such as property that has a potential for commercial development along the east side of N. China Lake Blvd., triggered municipal interest in annexation of additional land to the City of Ridgecrest.

#### LARGER AREA INCLUDED

Subsequently, study of the proposed annexation grew to include an area extending two miles north of the main gate and then east to the Kern-San Bernardino County line and south to the Trona Rd. in order to encompass the regional waste water treatment plant that serves both NWC and the city.

Property owned or leased by a city, but located outside the city limits, can be taxed by the county, it was brought out by Ron Brummett, director of planning for the City of Ridgecrest.

If the waste water treatment plant had not been included within the area proposed for annexation to the city, there is a possibility that it would have been subject at some later date to taxation by Kern County, and it is the gaining of additional tax revenue, as well as control through planning over land development, that is behind the City of Ridgecrest's annexation move.

The population gain by the city if annexation of the entire China Lake housing area eventually goes through will benefit Ridgecrest, since revenue from state-levied cigarette and gasoline taxes, as well as motor vehicle taxes, is based on the number of inhabitants in the city.

The City of Ridgecrest initiated the annexation proposal by hiring a consulting firm, Quad Associates, to prepare an environmental impact report (EIR).

The EIR was reviewed and approved by the Naval Weapons Center, as well as by officials representing Kern County and the State of California, and has been certified as the final EIR, Bill Eichenberg, Ridgecrest city manager, reported.

#### PACKAGE SENT TO NAVFACENCOM

The package, which includes the EIR, was sent to the Western Division of the Naval Facilities Engineering Command, and is expected to be passed along momentarily to the Commandant of the 11th Naval District, who has the authority to consent to the annexation on behalf of the Assistant Secretary of Navy (Manpower, Reserve Affairs and Logistics).

The anticipated letter of consent for annexation from the 11th Naval District will, Brummett said, clear the way for sending a barrage of paperwork to the Kern County Local Agency Formation Commission that will be the prelude to public

## EDF wins 2nd place in Navywide Ney Memorial Award competition

Second place in the annual Capt. Edward W. Ney Memorial award competition for 1980 has been won by the Navy Weapons Center's Enlisted Dining Facility.

Announcement of this notable achievement was received from the Office of the Secretary of the Navy shortly after last week's presentation of a plaque from the 11th Naval District denoting that the EDF had been singled out as the district's nominee in the small mess service ashore category of the Ney Award competition.

Congratulations were extended by the Secretary of the Navy to the winners and runners-up in this year's Ney Award judging for demonstrating supremacy in all aspects of food service. "Your dedication and professional management ability serve as a particularly outstanding example for the entire naval establishment," the message from the SECNAV stated.

"To all runners-up and participating commands, I extend my personal appreciation for your active interest and solicit your continued support," the message from the SECNAV concluded.

At a later date, the EDF at China Lake will receive an appropriately engraved plaque from the Navy Food Service System Office in recognition of its latest accomplishment.

First place in the smallest mess service ashore category was won by the Naval Weapons Station, Charleston, S.C., while the third place award will go to the Naval Submarine Base at Pearl Harbor.

## Analysis made of dust from Mt. St. Helens

Analysis of dust particles collected at the Naval Weapons Center on April 15 and 16 definitely establish that the local area got a light taste of volcanic ash spewed forth by Mount St. Helens before the big eruption took place on May 18.

Had wind patterns been the same on the day of the major eruption as they were in April, NWC would have acquired the dusty fallout that dropped on Montana and Wyoming.

On Sunday, April 13, 18 eruptions occurred at Mount St. Helens between 5:15



TEXTBOOK EXAMPLE — This particle plucked from the local atmosphere on April 16 is a classic example of what volcanic ash looks like under a scanning electron microscope. Elemental analysis and shape showed that the particle is indeed volcanic in origin.

a.m. and 6:30 p.m. Ash and gases shot into the atmosphere to heights in excess of 18,000 feet.

A northerly flow aloft caught these particles, sweeping them down the eastern scarp of the Cascade and Sierra ranges and bringing them to local skies by Monday afternoon, April 14. On that day the dust particles were found at elevations between 15,000 and 35,000 feet; during the next two days they settled to the surface.

An analysis of the local atmosphere made by the Kern County Air Pollution Control District (KCAPCD) on April 15 showed

(Continued on Page 5)

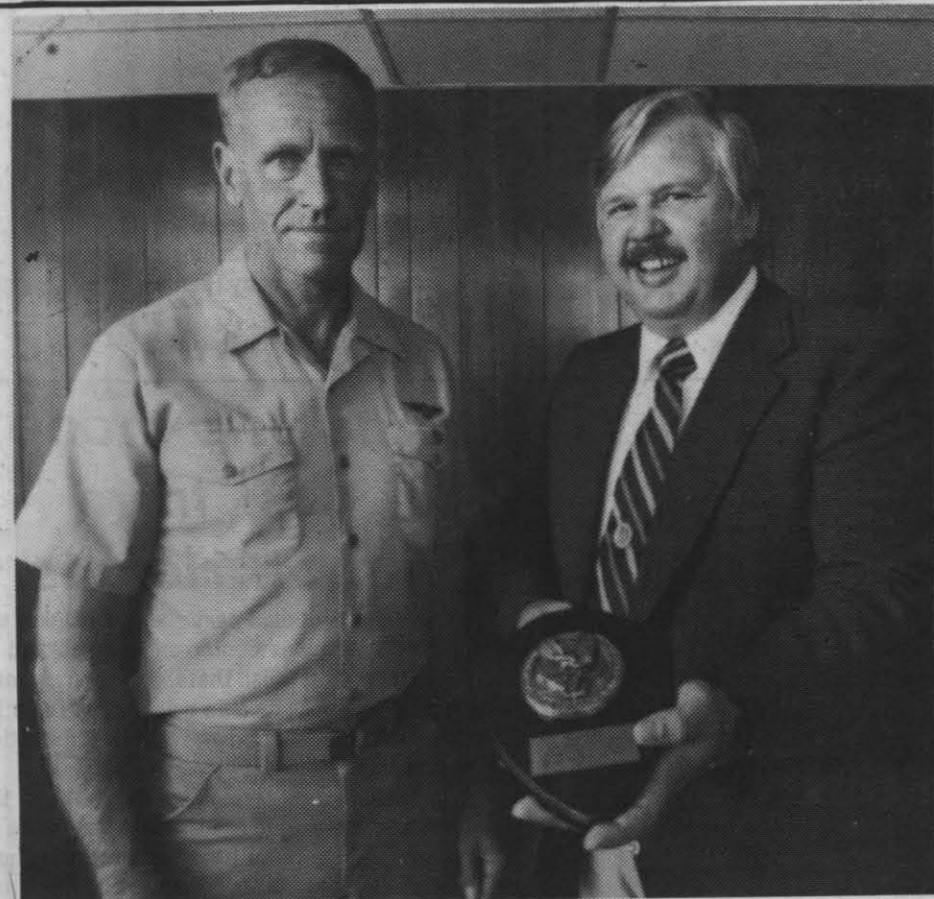
## Cleanup effort by all hands needed after strong winds

Recent windy weather has done more than stir up dust and sand. It also has made it apparent that there is a continuing need for effort on the part of all Centerites to be on the lookout for nooks and crannies in their work areas that are made unsightly by those who carelessly drop sandwich wrappings, discarded cigarette packs, or candy or gum wrappings on hallway floors or on the ground.

The end of the school year also has been marked by a blizzard of loose papers discarded by students enroute home after classes were dismissed that has added to other wind-blown litter allowed to accumulate from other sources.

In view of this, all hands again are asked to evidence the same pride in the appearance of their work areas or residential neighborhoods on Center as they do in the end product of their work itself, by taking it upon themselves to help in the year-round cleanup effort on the Naval Weapons Center.





BUSINESSMAN HONORED — Gery Hucek holds the NWC plaque he received from Capt. William B. Haff, NWC Commander, in recognition of his contributions to goodwill and cooperation between Ridgecrest and NWC. Hucek's many years of support in the area of community relations were topped by his efforts as chairman of the Navy Appreciation Night program held on May 9.

### Hucek receives NWC plaque for efforts in community relations

A Naval Weapons Center plaque and a letter recognizing his contributions to the feeling of goodwill and cooperation that exists between Ridgecrest and NWC was presented last week to Gery Hucek, a member of the Ridgecrest Chamber of Commerce, by Capt. William B. Haff, NWC Commander.

Hucek was singled out for this special honor as a direct result of his leading role in arranging the highly successful Navy Appreciation Night program held May 9 in Joshua Hall on the Desert Empire Fairgrounds. However, it was noted in the letter from the NWC Commander that "over the past several years I have noticed that whenever we (NWC) need support from the community, you are always there."

While Hucek could always be counted on to support special events, such as Armed Forces Day or Navy Day activities and similar events, his most significant contribution to NWC-Ridgecrest community relations were in connection with the program on May 9.

"In the nearly 40 years history of the Naval Weapons Center," Capt. Haff wrote, "there has never been an event in which the Navy and civilian communities have interacted so well. The genuine warmth and affection that flowed that evening was truly inspirational," the NWC Commander added.

It was clear to all who attended, Capt. Haff wrote, that Hucek was the driving force behind what became the best attended social event in the history of the Indian Wells Valley.

He recognized, the Center Commander

added, that a spectacular evening such as the "Navy Appreciation Night" program couldn't be managed by a single person, but it was also noted that "every detail of that evening had the indelible stamp of Gery Hucek on it."

"Your personal influence has in the past, and continues to be, a very positive force in closing the traditional gap that separates many civilian and military communities," Capt. Haff concluded as he extended a traditional Navy "Well Done" to Hucek for his many contributions.

## Promotional opportunities

Applications (Standard Form 171) should be put in the drop box located at the Reception Desk of the Personnel Department, Bldg. 34. Unless otherwise specified in an ad, applications for positions listed in this column will be accepted from current appointable (i.e., career/career conditional and VRA) NWC employees only. All others desiring employment at NWC may contact the Employment-Wage & Classification Division, Code 092, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. The filling of these positions through Merit Promotion is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum qualification requirements for all GS positions and positions subject to the Demonstration Project are those defined in OPM Handbook X-118; those for all wage system positions are those defined in OPM Handbook X-118C. Applicants will be evaluated on the basis of experience, training, education, and awards as indicated in a written record consisting of a SF-171, at least one supervisory appraisal if it can be obtained, and any tests, medical examinations, interviews, and supplemental qualifications requirements that may be necessary. For managerial/supervisory positions, consideration will be given to applicant's support of the Equal Employment Opportunity programs and objectives. Applicants must meet the grade and qualifications requirements by the closing date of the ad. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

**Announcement No. 39-003, Electronics Engineer, GS-855-12/13, PD No. 803904E, Code 3908**—This position is in the Sparrow Program Office of the Weapons Department. The incumbent serves as the AIM/RIM-7M Technical Manager. The AIM/RIM-7M is a major update to the guidance system of the AIM-7F and is currently in the test and evaluation phase of full scale development. The incumbent will serve as the technical director of all Center technical effort associated with the 7M system performance capabilities and to explore possible improvements. Responsibilities also include providing the technical interface between Center departments; between the Center and the sponsors, contractors, and other government agencies. **Job Relevant Criteria:** Requires a working knowledge of RF guidance concepts and implementations, control systems, system analysis, and missile integration; experience in technical management is desirable; ability to communicate effectively both orally and in writing with other personnel/managers at NWC, other Naval activities, DoD agencies, and contractors.

**Announcement No. 09-KLC, Warehouseman, WG-4907.4, JD No. 262, Code 259**—Temporary not to exceed 1 year. The purpose of this ad is to establish a register to fill temporary (not to exceed one year) warehouseman vacancies. Maximum time in an appointment will be 12 months in any 24 month period. NWC will be accepting applications from reinstatement eligibles, people currently on registers, and people not on registers who qualify for this trade. The position is located in the Material Division, Supply Department. Incumbent will perform a number of tasks in connection with the physical receipt, storage, or issue of supplies and with the maintenance of warehouse spaces. Receives, checks, stores, issues and assembles supplies of all types in accordance with established supply procedures. **Job Relevant Criteria:** Ability to do the work without more than normal supervision; work practices: technical practices; ability to interpret instructions and specifications; knowledge of materials; dexterity and safety. Supplemental Statements available from Kate Clark, Bldg. 34, Rm. 100.

**Announcement No. 39-001, Administrative Officer, GS-341.7/11, PD No. 803906E, Code 395**—This position is that of administrative officer for the RF Division of the Weapons Department. As such the incumbent will be responsible for administrative management of the division including financial management, facilities planning, and space, equipment, and facilities planning. **Job Relevant Criteria:** Knowledge of the division's operations; ability to ensure compliance with fire prevention and protection requirements. Tests, services and 12th grade. Incumbent presents fire prevention training and instructions, conducts evacuation and fire drills, use of extinguishers, etc. Miscellaneous firefighter duties as assigned. **Job Relevant Criteria**—Knowledge of principles of the prevention inspection; knowledge of operations performed in assigned area; general knowledge of physical layout of NWC, including NAF. Supplementals are required and must be submitted with SF-171. Supplementals may be picked up in Rm. 204, Personnel Bldg., from Janet Thomas.

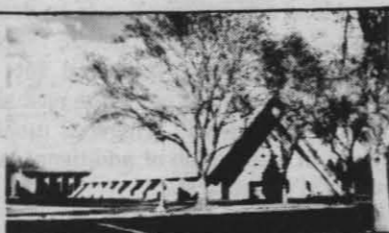
**Announcement No. 35001, Electronics Engineer, GS-855-12, PD No. 803507E, Code 3522**—As head of the Advanced Tactical Radar Section of the Advanced Technology Branch, RF Development Division, Electronic Warfare Department, the incumbent will be responsible for design, development, test and evaluation of advanced airborne targeting/strike avionics and a real-time synthetic aperture radar (SAR) simulation facility. Duties will include the development of advanced radar systems using

**Relevant Criteria:** Knowledge of the Center's financial management and budgeting program; knowledge of personnel practices and procedures; ability to communicate both orally and in writing. **Announcement No. 39-002, Supervisory Mechanical Engineer, Physicist, General Engineer, GS-830.130.801-12/13, PD No. 803906E, Code 3941**—This position is located in the Sensors & Platforms Branch, Electro-Optics Division, Weapons Department. The Sensors and Platforms Branch conducts applied research, development, design, prototype fabrication, test and analysis of optical systems, trackers, search sensors, optical equipment associated with weapons systems. The incumbent supervises the Opto-Mechanical Section and is responsible for design and development of components and subsystems utilized in electro-optical and infrared mechanisms. **Job Relevant Criteria:** Knowledge of opto-mechanical design as applied to infrared systems; experience in application of instrumentation for field evaluation of infrared systems; familiarity with assembly requirements for precision opto-mechanical sub-systems such as seekers and search sensors; demonstrated ability to direct others toward completion of group projects from concept through delivery of end product; experience in negotiating and monitoring contracts with government and private agencies; ability to communicate well both orally and in writing; interest in and support of the EEO program.

**Announcement No. 24001, Fire Protection Inspector, GS-081.4/7, PD No. 7924009N, Code 24201**—Position is located in the Safety & Security Department, Fire Division. Incumbent makes continuous inspections of buildings, their contents, utilities and surrounding areas, of processes and operations in regularly assigned areas, special assignments involving life hazards, fire hazards and fire prevention deficiencies, etc. Incumbent recommends corrective action to area responsible; makes written reports, and makes follow up inspections of noted hazards. Reviews plans for new construction and extension of existing structures. Recommends changes and additions to ensure compliance with fire prevention and protection requirements. Tests, services and 12th grade. Incumbent tests fire doors, sprinkler systems, alarms, etc. Incumbent presents fire prevention training and instructions, conducts evacuation and fire drills, use of extinguishers, etc. Miscellaneous firefighter duties as assigned. **Job Relevant Criteria**—Knowledge of principles of the prevention inspection; knowledge of operations performed in assigned area; general knowledge of physical layout of NWC, including NAF. Supplementals are required and must be submitted with SF-171. Supplementals may be picked up in Rm. 204, Personnel Bldg., from Janet Thomas.

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### DIVINE SERVICES

<b>PROTESTANT</b>	
Sunday Worship Service	1000
Sunday School—All Ages	0830
Sunday School Classes are held in Chapel Annex 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant	
Communion Service first Sunday of the Month	
<b>ECUMENICAL</b>	
Wednesday Noon Bible Study	1130
Thursday Men's Prayer Breakfast	0630
<b>ROMAN CATHOLIC</b>	
MASS	
Sunday	0830 1130
Nursery, Chapel Annex 1	0815 1245
Daily except Saturday, 1135, Blessed Sacrament	Chapel
<b>CONFESSIONS</b>	
Daily	1115 to 1130
Sunday	0800 to 0825
<b>RELIGIOUS EDUCATION CLASSES</b>	
Sunday Pre-school thru 11th grade	1000
Above classes are held in the Chapel Annex across from the former Center Restaurant.	
Sunday afternoon	12th grade 1630
As announced	"In Home" Discussion Groups and Youth Rallies
Contact Chaplain's Office for specifics.	
<b>JEWISH SERVICES</b>	
<b>EAST WING—ALL FAITH CHAPEL</b>	
Sabbath Services every Friday	1930
<b>UNITARIANS</b>	
<b>CHAPEL ANNEX 95</b>	
Sunday Services—(Sept-May)	1930

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## The Rocketeer

Official Weekly Publication  
Naval Weapons Center  
China Lake, California  
Captain W. B. Haff  
NWC Commander  
R. M. Hillier  
Technical Director  
S. G. Payne  
Public Affairs Officer  
Don R. Yockey  
Editor  
Mickey Strang  
Associate Editor  
Beverly Becksvort  
Editorial Assistant  
Ron Allen  
Staff Photographer



News Stories Tuesday, 4:30 p.m.  
Photographs Tuesday, 11:30 a.m.  
The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NAVSO P-35 revised May 1979. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official view of the Department of Defense. Information in The Rocketeer is authorized for public release by the Naval Weapons Center Public Affairs Officer, Code 003, Phones 3354, 3355

## Faron, Soulsburg team up to win 10th annual CPO Golden Anchor golf tourney

John Faron and Don Soulsburg shot a 36-hole net total of 125 to win the 10th annual Chief Petty Officers' Club's Golden Anchor Golf Tournament held last weekend at the China Lake golf course.

The teams of Dick Davis-Jim Dillon and Don Puckett-Horace Bost had net scores of 129 to tie for second place in the 44-team, partner's best ball tournament.

Gift certificates valued at \$300, \$225 and \$100 that can be redeemed at the golf course pro shop were awarded to the top three teams, respectively.

Individually, Del Lindsey shot an 18-hole total of 67 for Saturday's low net score. Davis carded the low net score on Sunday after shooting a 66.

### IWV Swim Team seeks coach to serve next season

The Indian Wells Valley Swim Team is looking for someone interested in swimming, teaching, kids, and travel, to be its new coach for next season.

So that he or she can become familiar with the team and all that the job involves, resumes will be accepted only until June 29, and also so that the individual can assist current coach Elaine Mikkelsen with the remaining meets this season.

A coach's job involves teaching and correcting strokes, and training of assistants. He or she must also be available for monthly board meetings, and in the spring and summer, for swim meets on Saturdays, both locally and out of town. There will also be some paperwork required.

Hours for this position are Tuesdays and Thursdays from 3:45 to 6 p.m. from October through May (except on school holidays); and four days a week (three hours per day approximately), June through July. The times will vary from year to year.

Salary for IWV swimming coach is \$2,400 per year plus mileage for out of town meets. There is no age limit to qualify for this position, but the applicant should have experience in competitive swimming as a participant, coach and/or teacher; and he or she should enjoy working with children 5 through 18 years of age.

For more information about this position applicants are asked to contact Chris Fawkes by calling 375-1636, or Dick Stout at 375-8085. Resumes should be sent to Stout, 1025 Mary Ann, Ridgecrest, Calif., 93555.

## 32 runners compete in OTHC mile run held at BHS track

Thirty-two runners competed in the Over-the-Hill Track Club's Heatstroke 1-mile race held recently at the Burroughs High School track.

After a 60-second first quarter, Buddy Clark finished in 4:54 for the fastest mile overall. Clark was the only runner in the 15 to 19-year-old men's group.

The next three fastest times came in the 30 to 39-year-old men's group. Tom Rink ran a 5:04 mile to lead the group, while Mike Hartney and Larry Kassebaum were clocked at 5:14 and 5:15, respectively.

The fastest women's time was posted by Pam Slates, in the 10-14 age group, who ran a 6:04 mile. Renee Barglowski, who posted a time of 7:13, finished second in that age group.

Dianne Lucas ran a 6:28 mile that was the second best women's time overall and earned her a first place finish in the women's over 30 age group. Chris Hueber was the fastest miler in the girls' 15-19 age group with a 7:03 time.

The other men's age group winners, and their times, were Robby Huey (7:37) in the 9 and under group, Jan Barglowski (5:33) in the 10-14 group, Chris Long (5:43) in the 20-29 group, Alex Shlanta (5:35) in the 40-49 group, and Scotty Broyles (5:50) in the over 50 age group.

Saturday when his shot landed 9 ft., 5 in. from hole No. 8. Earle Roby took closest to the pin honors on Sunday by leaving his shot 5 ft., 2 in., from hole No. 17.

Steve Mills won a 3-day, 2-night trip to the Showboat Hotel in Las Vegas at the buffet Sunday during which tournament prizes were presented. He also received \$100 spending money.

Each golfer entered in the tournament received three personalized Golden Anchor golf balls and a golfing cap.

## Start of class in scuba diving depends on more students

A few more students are still needed before the Special Services Division can offer a 6-week class in scuba diving that is to be taught by Robert Fox, a Ridgecrest resident who is a member of the Professional Association of Diving Instructors.

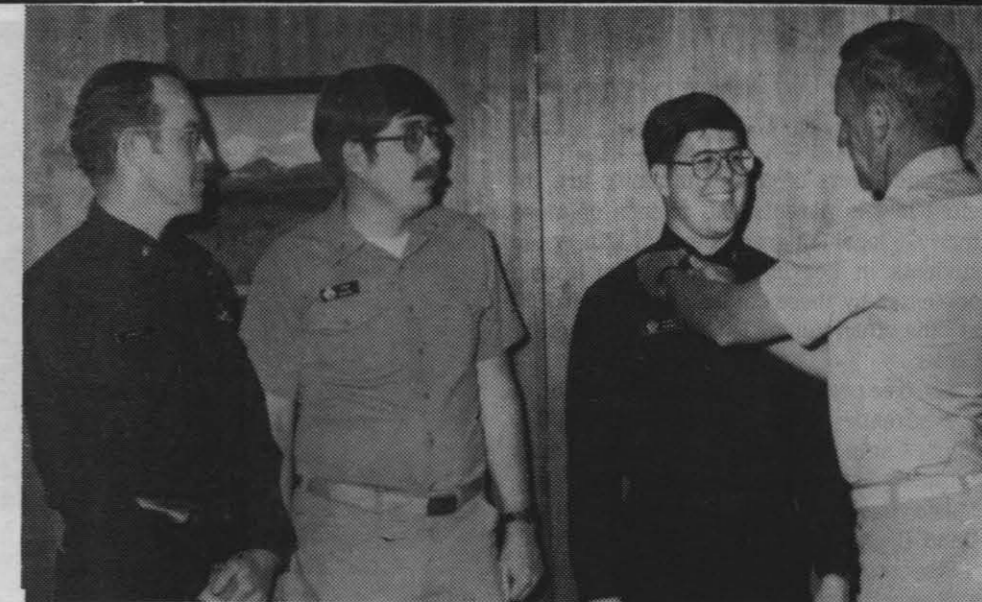
The class will include six lectures followed by instruction at the indoor swimming pool in the Center gymnasium, as well as five open water dives in Southern California coastal waters.

The lectures, followed by training at the indoor pool, will be held on Wednesdays from 6 to 9:45 p.m. Oxygen tanks will be furnished by the instructor for classes held at the indoor pool only.

Interested persons can obtain additional information by calling the Recreation Coordination Office at NWC ext. 2010, or Fox at 375-5168.

(Continued from Page 2)

**Missiles:**  
**Position:** Technical Manager for Airframe, Guidance and Autopilot Systems (Interdisciplinary/Engineering - all series, GS-13). Location: ASW Standoff Weapon Project Office (ASW/SWPO), Submarine Tactical Missiles Division, Naval Sea Systems Command (NAVSEA 63X2). **Training Objectives:** The primary training objective of this developmental assignment is to increase technical expertise while broadening management skills and knowledge by exposing the individual to the operations of a major project office in NAVSEA. Specific training objectives are: (1) To gain experience in coordinating Submarine ASW Standoff Weapon program efforts with Navy R&D centers and contractors. (2) To develop an increased awareness of total documentation requirements in the acquisition cycle. (3) To gain experience in preparing Decision Coordinating Papers (DCP), Integrated Program Summary (IPS) and other documentation required to support the DSARC I Decision. (4) To gain experience in the formal source selection process used to evaluate and select concepts to enter advanced development. (5) To broaden the participant's overall developmental experience by working with other DoD offices. **Duties to be Performed:** The participant will assist in providing program management support and coordination in the technical and planning activities of the ASW Standoff Weapon Project Office. Specific duties are: (1) Assist the ASW Standoff Weapon Program Manager in the planning, budgeting, programming and tasking required for his/her assigned areas of responsibilities. (2) Participate in the formal source selection process to evaluate and select contractor proposals to enter advanced development. (3) Make periodic visits to contractor and lab facilities such as: Naval Underwater Systems Center, Newport; Naval Surface Weapons Center, White Oak; Naval Ocean Systems Center, San Diego; and Naval Weapons Center, China Lake. During these visits, the participant shall represent the program office in carrying out assigned duties. (4) Assist in the preparation of Decision Coordinating Papers (DCP) and Integrated Program Summaries (IPS). (5) Assist in the planning for and development of documentation and material to support the DSARC I Presentation. (6) Work with NAVSEA 63X2 specialists in reviewing and providing inputs to TEMPS, R&M, Training, Safety and Logistics Plans. (7) Assist in the preparation of impact statements, budget reclaims, and other submissions in defense of financial plans. (8) Assist in preparation of financial plans and budget submissions for ASW Tactical Missiles. (9) Interface with NAVMAT by submitting documentation for review and approval. (10) Interface with other DoD activities as required. **Qualifications Required:** The participant for this developmental assignment must possess sound knowledge of Submarine ASW Tactical Missiles concepts and a broad experience in military problem solving and the use of scientific analytical techniques. He/she must have demonstrated initiative, originality, and judgement qualities and be capable of working in close harmony with and obtaining the cooperation and professional support of naval officers and civilian scientific and analytic personnel. The specific requirements are: Must be a graduate of an academically recognized school of engineering; must have a thorough and detailed knowledge of the technical characteristics and requirements of Tactical ASW Missiles; must possess the managerial skills necessary to assist in planning, coordinating, and directing complex programs involving numerous independent organizations and laboratories; must be capable of representing NAVSEA in dealings with technical experts from Navy Laboratories, industry, and other activities, and also with management personnel in NAVMAT, Chief of Naval Operations (CNO), and Department of Defense; com-



TRIO OF FROCKINGS—Capt. W. B. Haff, NWC Commander, pins the insignia of his new rank on Lt. Pat Nassaux, Facilities Planning Officer in the Public Works Department, while (l. to r.) Cdr. Hal Pheny, head of the Biomedical Branch of the Parachute Systems Department, and Lt. John Martin, head of the Aviation Supply Division of the Supply Department, watch. Pheny was frocked as commander, while Martin and Nassaux were both frocked as lieutenants. Frocking is a process whereby an officer receives all the rights and privileges of the next higher rank without receiving a raise in pay. It is implemented when the officer has been selected for promotion but has to wait for a promotion date.

## Talk slated on women coping with system

"Working Women: Coping with the System" will be discussed by Kirsten Hinsdale at a special program sponsored by the Desert Counseling Clinic on Tuesday, June 17, at 7:30 p.m.

The free meeting will be held in the Community room of the clinic, located at 814 N. Norma St., Ridgecrest, and is open to anyone in the local area who is interested in attending.

Ms. Hinsdale is Vice President of Research and Development at Validated

Instruction Associates, Inc., Albion, Mich. Her research interest is organizational psychology and the dynamics of sex roles and sex discrimination in work groups.

Shari Rosenberg, chairman of the DCC Board Program Committee, notes that DCC is presenting Ms. Hinsdale in cooperation with the activities of Federal Women's Week on the Naval Weapons Center to provide an additional opportunity for men and women of the community to hear her outstanding presentations.

## Training Opportunities

**Position:** Weapons Systems Acquisition Manager (Interdisciplinary: Engineering, all series; Physical Sciences, all series; GS-13/14). **NOTE:** The person selected for this position will be assigned in grade, and will have duties commensurate with his/her grade level. There will be no temporary promotions. Location: Naval Air Systems Command (AIR-541), Developmental Opportunity. This is an excellent opportunity for a technically qualified person to gain valuable training in the headquarters aspects of the NAVAIR Aircraft Armament programs. The participant will be exposed to the complete range of planning, programming, reprogramming, requirements definition, and technical direction of Aircraft Armament programs. This will include the critical interactions with OPNAV, the other services and OSD. The person selected will be assigned responsibility as a Weapons Systems Acquisition Manager (GS-13/14) in the Program Management Branch of the Armament Division, Naval Air Systems Command. The branch is responsible to the division director for the management and execution of assigned Armament Programs through the Deputy Armament Program Managers including: (1) Cost and schedule control. (2) Financial Management/Budget control. (3) Baseline Configuration control. (4) Harmonization (inter-service). (5) Technical Direction. **Training Objectives:** The primary training objectives of this developmental assignment are to increase technical expertise while broadening management skills and knowledge by exposing the individual to the operations of a major project office in NAVAIR. Specific training objectives of the developmental assignment are: (1) To gain experience in coordinating AIR-541 program efforts with Navy R&D centers and contractors. (2) To develop an increased awareness of total documentation requirements in the acquisition cycle. (3) To gain experience in preparing Development Proposals (DP), Navy Decision Coordinating Papers (NDCP), and budget submissions. The DP and NDCP provide complete program descriptions, goals, plans, schedules and cost estimates. (4) To broaden the participant's overall developmental experience by working with other DoD offices. **Duties to be Performed:** The participant will assist in providing program management support and coordination in the technical and planning activities of the Air Armament Division. Specific duties are: (1) Assist in the presentation of Advanced System Concept (ASC) papers and Navy Decision Coordinating Papers (NDCP). (2) Assist in the preparation of Development Proposals. (3) Assist in preparing Navy Decision Coordinating Papers (NDCP). (3) Assist in the preparation of impact statements, budget reclaims, and other AIR-541 submissions in defense of financial plans. (4) Assist in preparation of financial plans and budget submissions for Aircraft Armament. (5) Interface with NAVMAT by submitting documentation for review and approval. (6) Maintain a constant liaison with OP-56F and OP-982E, the OPNAV sponsors for Air Warfare Programs. (7) Interface with other DoD commands, such as Marine Corps and the Air Force, on regular basis. (8) Participate in the selection of contractors. Monitor plans, progress, and resources of contractors. (9) Work with AIR-541 specialists in reviewing and providing inputs to training, reliability, maintainability, safety, procurement and logistics plans. **Qualifications Required:** The participant for this developmental assignment must possess a sound knowledge of Air Strike Warfare concepts and be experienced in military problem solving and the use of scientific analytical techniques. He/she must have demonstrated initiative, originality, and judgement qualities and be capable of working in close harmony with and obtaining the cooperation and professional support of Naval officers and civilian scientific and analytic personnel. Other requirements are: Must have at least a bachelor's degree in engineering or related physical science; must have a thorough and detailed knowledge of the technical characteristics and requirements of Naval Air Delivered Ordnance Systems.





### Dodgers move into 2nd place in Little League Major Div.

Led by the play of Larry Jeffris, the Dodgers moved into second place last week behind the Yankees in the Major Division of the China Lake Little League.

Jeffris' grand slam home run was the difference in the Dodgers' 9-5 victory over the Wildcats. Jeffris hit two more home runs in the Dodgers' 11-2 romp over the Tigers.

On the mound against the Tigers, Jeffris struck out 15 of the 18 batters he faced, including every player at least once.

The Dodgers kept pace with the Yankees, who scored an 18-5 victory over the Tigers and an 8-4 decision over the Red Sox for a record of three wins and no losses in the second half of the 1980 season. The Dodgers have a two win, one loss mark.

The Yankees were led by Danny Ray, who scored four runs against the Tigers, and by Mike Anderson and Kenny Fite, who scored two runs each against the Red Sox.

Jeff Anderson clouted his second home run of the year for the Red Sox.

The Wildcats defeated the Red Sox, 10-4, in the other Major Division game last week.

**CARDINALS UNDEFEATED**  
In the Minor Division, the Cardinals bested the White Sox 16-10 and blitzed the Royals 26-8 for their third and fourth wins without a loss in the second half of league play.

Joe Norris scored four runs in each Cardinal victory and collected a home run and a triple in the game against the Royals. Charley Knowles and Clayton Van Alstyne also scored four runs in the win over the Royals.

In other Minor Division action, the second place Pirates, who have a record of two wins and two losses, beat the Royals 17-13 and lost to the White Sox 11-10.

The Cubs took an early lead in the second half of the Farm Division by beating the Reds 18-14 and downing the Angels 12-6 last week.

Matt Mechtenberg, Darren McCue and Jay Yurko each scored three runs in the Cubs' defeat of the Reds.

The Angels blasted the Padres 24-4, and the Reds outscored the Padres 20-16 in other Farm Division contests.

#### T-BALL DIVISION RESULTS

In the T-Ball Division, the Twins and the Rangers are tied for first place as of June 7 with records of two wins and no losses.

The Twins nipped the Braves 21-18 and narrowly defeated the Indians 23-22. Lance Kilpatrick led the Twins offensively by scoring eight runs in the two games.

The Rangers downed the Astros 21-14 and ripped the Expos 23-1. Brian Mather scored four and five runs, respectively, in the two games.

The Astros beat the Expos 36-9, and the Braves scored a 26-22 victory over the Indians in other T-Ball action.

### Signups still open in class for junior golfers

A few places are still open for young people aged 8 to 16 who wish to learn how to play golf to register for the junior golf program sponsored by Recreation Services.

Nancy Webster will teach a series of nine lessons on various golf strokes, pitching, chipping, putting, use of irons and woods and golf courtesy on Tuesday, Wednesday, and Thursday mornings from 10 to 11 a.m. The lessons will begin on June 17 and continue until July 3.

Cost for the lessons is \$10. Registration is being taken at the China Lake golf course. Those seeking further information may telephone NWC ext. 2990.

## Lopsided wins highlight Men's Fast Pitch ball

Fuller Masonry and Pizza Villa both scored lopsided victories last week in the Men's Fast Pitch Division of the China Lake Intramural Softball League.

Fuller Masonry scored 10 runs in the first two innings and coasted to an 11-1 win over the NWC Navy team. Don Branson, the winning pitcher, allowed just four hits in the game.

Warren Turnbaugh led the Fuller Masonry hitting attack with a home run and

Last-minute additions can still be made to the rosters of teams entered in the Men's Fast Pitch Division and Open Men's Slow Pitch Division of the China Lake Intramural Softball League.

Teams wishing to utilize players for the remainder of the season who are not now listed on their rosters have until 5 p.m. today to get this information to the Recreation Coordination Office, located next door to the Center gym, phone NWC Ext. 2010.

a single in three at bats. Jerry Lewis and Bob Branson each added two singles in three at bats.

In the other game, Jessie Fortney pitched a 3-hit shutout to lead Pizza Villa to a 7-0 victory over Vinyl Disc. Tim Cooksy went 2-for-3 for Pizza Villa.

In the Military Slow Pitch Division, Long Shot upset the first-place Marauders 13-12 last week.

The loss by the Marauders, combined with two victories by the NWC O's, left the two teams in a tie for first place as of June 5.

### VX-5 CPOs edge officers in second annual softball game

Scoring five runs in the bottom half of the seventh inning, the chief petty officers came from behind to defeat the officers 18-17 in the second annual VX-5 CPOs vs. officers' softball game held recently at Schoeffel Field.

The chiefs grabbed an early 7-0 lead after the first inning, but the officers countered with 11 runs of their own in the second inning and held the lead until the chiefs staged a comeback in the seventh inning.

"I believe super team effort and experience on our part was the difference in the game," said Senior Chief John Smith, coach of the CPO squad. "Most of the chiefs have played some softball before," he added.

No game statistics were available, but Smith complimented Red Kluksdahl for his hitting and third baseman Dave Pena for his defensive play.

"It was a hard-played game by both sides," Smith said. "The whole game proved to be pretty even."



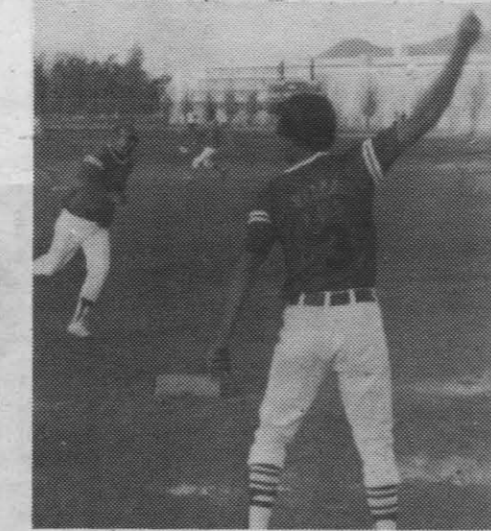
**ON THE RUN** — Senior Chief John Smith tags second base and throws to first base for a double play attempt during VX-5's second annual CPO vs. Officers' softball game held recently at Schoeffel Field. The try was unsuccessful, but the chiefs, coached by Smith, defeated the officers 18-17.

The Marauders jumped to a 7-1 lead after two innings, but Long Shot closed the gap by scoring five runs in the third inning. The game remained close and was tied going into the last half of the seventh inning when Long Shot scored the deciding run.

Dave Stein gathered two triples and two singles in five at bats to lead Long Shot's hitting attack. Ed Kirtley went 4-for-4 to lead the Marauders, who also defeated the Techs 'n Rangers last week 13-8.

The NWC O's downed the Sports Etc. Tide Riders 24-6 and bombed the Dispensary 19-7 for its two victories. Bob Leitzel and Joe Sweeney collected four hits against The Tide Riders, and Leitzel and Bill West homered against the Dispensary to lead the NWC O's offensively.

The Dispensary edged the Techs 'n



**COMING HOME** — Randy Sturgeon, right-center fielder for the Pizza Villa team, gives the "go home" signal to Rudy Muro, who rounds third base during Pizza Villa's 18-11 victory over Bird Olds.

### Results of table tennis tournament held recently at Community Center reported

About 20 players competed in the 3-day NWC open table tennis tournament held recently at the Community Center.

In the Class A singles play, Bill Chan defeated Ellen Davidson, who finished in second place, 15-21, 21-19 and 21-19 to take the top spot. Chan was down 8-2 in the second game but rallied to tie Davidson at 15-15 on his way to the victory.

Chan also had to play three games to beat the eventual third-place finisher, Alan Miller. The scores were 21-18, 16-21 and 21-19.

"I was very fortunate to win," Chan said. "The competition at the tournament was excellent, and those 21-19 games could have gone either way."

Chan also teamed with two other Code 33 players, Oscar Lawless and Richard Chew, for the Class A team championship. The

Code 33 team downed the second place Code 25 squad of Davidson, Miller and Jack Davidson four games to three.

The third place Class A team was the Code 32 entry of Joe Schmidt, Harold Gryting and Mel Nadler.

In Class B action, B. J. Holden defeated Gryting 21-19 and 23-21 for the singles championship. Brian Moses finished in third place.

Holden, Fritz Arts and Frank Grob won the Class B team competition. The first place Code 31 squad beat the Code 61 team of Moses, Kathy Martinez and Bob Martinez four games to one in the championship match.

Players were divided into groups of four on the first day of the tournament for round robin action. This method was used to determine in what class the player would be placed.

Another table tennis tournament is being planned in September or October. Trophies will be awarded instead of certificates, which the winners received at the recent event.

"I'm very optimistic about the turnout for the upcoming tournament," Chan said. "I think as many as 40 or 50 players will come to the next tournament if the word gets around."

### 5 BHS gridders to play in all-star football game

Five Burroughs High School players will participate in the third annual High School All-Star Football Game at 8 p.m. on Thursday, June 19, at Bakersfield Junior College Memorial Stadium.

Tim Dominguez, Chuck Kinne, Jeff Rudd, Kurt Rockwell and Greg Bell will take part in the contest, which pits the outstanding graduating seniors from Bakersfield high schools against the all-stars from the county-area schools.

The game is co-sponsored by the Kiwanis Clubs of Division 33 and the Kern County Football Coach's Association. The Kiwanis Club's portion of the game's proceeds will be donated to the Bakersfield Special Olympics.

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Norm Stephenson and Rich Owen each had three hits, and Dave Williams homered for the Astros.

Mather's Dairy Service was led by Moe Hunsaker, who homered and doubled twice in four trips to the plate, Al Chieze, who had three hits, and Randy Klassen, who homered and tripled.

Mike Graham went 4-for-4 with a home run and three singles to lead the Time Out team.

In other Men's Slow Pitch action, Burger King blasted CSC 13-2, ARCS downed the NWC Navy Varsity 22-19, Pizza Villa beat Bird Olds 18-11 and High Desert Saloon edged the Knights of Columbus 11-8.

In the Women's Slow Pitch Division, Robin Gillen pitched a no-hitter as the Rowdies ripped the NWC Stingers 31-2 for their sixth win without a loss. Jo Maschhoff had three home runs and a single, and Kim Fletcher and Jan Bledsoe added four hits each to lead the Rowdies' hitting.

Pizza Villa upped its record to seven wins and no losses by edging Kelly's Girls 12-11 and downing the Stingers 22-7. Dawn Baxter and Linda Finco had four hits each to pace Pizza Villa offensively against the Stingers.

In other Women's Slow Pitch action, the Bamboo Babes beat Kelly's Girls 12-5, downed the Independent Fillies 29-10 and defeated CSC 16-6, while Desert Imports nipped Castillo's Welding 16-14.

### Collections exceed \$5,000 in Navy Relief fund drive

Cash contributions combined with allotments authorized by military personnel have increased the total amount donated to the 1980 Navy Relief Society fund drive to \$5,053.75. Naval Weapons Center campaign officials reported last Monday.

While the NRS fund drive has officially ended, final reports have not yet been received from some departments or groups on the Center. For this reason, key personnel from each NWC code are being asked to contact those who were handling contributions in their work area to make sure that all money collected has been turned in.

Appreciation was expressed by LCDrs. William F. Ellis and James R. Glover, the NRS fund drive co-chairmen, to all those whose support has made possible the degree of success realized by this year's campaign. The co-chairman also thanked the following Centerites who spearheaded the fund drive within their departments or codes:

Beverly Weisbrich, Betty DeBold, Cy Ebersberger, Pat Sprankle, Leonard Lesniak, Ens. Sharon Beck, Hugh O'Brian, Lt. John Martin, Ltjg. Patrick Nassaux, Lt. Jack Paschall, Bill Matlock, Betty Yingst, Larry Zabel, and Floyd Castillo.

Others are FTCS Dave Vander Houwen, Dick Wisdom, FTMC Skip Pinney, Ltjg. Len Dyke, Eleanor Johnsen, Lt. John Gilbert, HMI Sherwin Edwards, BT2 Doroteo Narvaez, Lt. Bob Boyd, Mary Larson, YN2 Ricky Huckleberry, and SH1 David Swanson.

### Hispanic Committee seeks new members

Center employees who are dedicated to principles of equality, justice and fair play, and who are interested in collateral duty whereby they can further these principles have an opportunity to do so.

Volunteers are needed by the Hispanic Employment Program Committee; they do not have to be able to speak Spanish or be a member of an ethnic minority to be on the committee.

Anyone who is interested in volunteering or who wishes to find out more about duties and responsibilities involved is asked to contact Nancy Loundagin in the Equal Employment Opportunity Office by calling NWC Ext. 2348 or 2738.

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**ARMY AIRCRAFT TESTS** — A pre-flight check, carried out under the watchful eye of CWO2 Roy Daughtry (at right), safety officer, is the prelude for special equipment tests being carried out here by a unit of the Army Aviation Board headquartered at Fort Rucker, Alabama. After a thorough going over, two of the aircraft (photo at right)—one fixed wing and one helicopter—head for the Randsburg Wash area—location of a tri-service evaluation of new equipment on board the aircraft. —Photos by Sam Wyatt

### Army fliers here to test aircraft equipment

The Naval Weapons Center is the temporary home, and the old gun butt area at Armitage Field is the work space currently being utilized by a small group of Army personnel who are here to conduct tests involving the use of both fixed wing and rotary wing Army aircraft.

Maj. Mitch Waldran is the on-site commander of an element of the United States Army Aviation Board — an organization responsible for operational testing of all aircraft and aviation equipment used in Army aviation.

The Army contingent, which includes 35 officers, warrant officers, enlisted men and civilian contractor employees, who handle aircraft maintenance, is currently in the midst of a 3-month deployment here while participating in a special tri-service evaluation.

Personnel who make up the visiting Army

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### FWP Committee plans workshops, lunch June 18

The Federal Women's Program Committee will be presenting a day of outstanding interest to both men and women on Wednesday, June 18, with four short workshops and a lunch meeting.

All Center employees are encouraged to attend one or more sessions.

Topics under discussion will be "Why Working Women Fail," presented in the morning by Kirsten Hinsdale, and "The Way an Investment Works," presented in the afternoon by Mary Ellen Mead of Merrill Lynch, Pierce, Fenner and Smith.

These workshops will be held in the Community Center.

At lunch Karen Altieri will speak on "Judicious Risk Taking." EEO credit will be given to attendees if request.

Ms. Hinsdale is the Principal Investigator for Research and Development for Validated Instruction Associates, Inc., of Albion, Mich. She is currently engaged in basic research for the Office of Naval Research on the dynamics of sex roles and sex discrimination in work groups. She has also counseled Esso Canada, Canadian National Railways, California Regional Resource Center, and the Michigan Department of Education as well as other groups, and has published extensively.

From 8:30 to 9:55 a.m. she will discuss "The Cycle of Defeat: Are You Your Own

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## CLMRG assists in search for hiker lost in San Jacinto Mts.

Five members of the China Lake Mountain Rescue group left here last Friday night in response to a request from the Riverside Mountain Rescue Unit for assistance in locating a hiker two days overdue from a trek in the Mt. San Jacinto State Park.

Ice axes and crampons were added to the packs of the CLMRG members when they left here prepared for a bivouac at an elevation of 10,000 ft.

The local mountaineers, headed by Bob Rockwell as team leader, were Lee Lucas, Allan Jones, Dave Brown and Paul Woodworth. Traveling by car they arrived at the bottom of the Palm Springs Tramway at 11 p.m. last Friday.

Saturday morning they joined search teams from Altadena, Los Padres, Riverside and Sierra Madre for a ride by tram to the 8,000 ft. level of mountains in the Mt. San

Jacinto Wilderness Area.

CLMRG members were assigned the task of making a sweep along the Wellman Divide in hope of cutting the tracks of James Hoy, 21, of Buena Park, in the event that he had headed south from his campsite in Round Valley.

After 1½ hours, word was received that the missing hiker had been found by members of a search team from Altadena, who were scouring the Willow Creek trail.

Except for being tired and hungry, Hoy was all right. The searchers learned that the missing hiker had indeed headed south from his campsite and dropped into the Tahquitz Creek drainage. After descending to the 5,500 ft. level he was stopped by an impassable waterfall. Hoy spent two nights at that spot before reversing his direction and ultimately finding the Willow Creek trail.

Being reasonably close to the location where the missing hiker was found, the China Lakers decided to lend a hand by carrying out Hoy's pack and other equipment. A suitable place for a helicopter to land was located and the Buena Park man was flown out in order to conclude the search mission as expeditiously as possible.

**INEXPERIENCE COSTLY**  
In a short conversation with Hoy, CLMRG members learned that he was an inexperienced backpacker, did not know how to read a map, and was traveling alone — three factors that contributed to his eventual difficulties.

After the search for Hoy ended, the CLMRG team left for Idyllwild to join in a search for a 20-year-old youth, Gregory Tanner, from Rancho Palos Verdes, whose empty car had been discovered at the roadhead to the Deer Springs Trail in Idyllwild last Dec. 20.

An immediate search of the area in late December had failed to turn up any sign of the missing youth, and a second search had been conducted on Jan. 5-6 with the same result.

Now that the snow was gone, a full California Mountain Rescue Association effort was organized to make one more look. Five Mountain Rescue Association teams (33 members in all) and two dogs were backed up by six base camp personnel.

On Sunday morning, mountain climbers who had hiked up the Deer Springs Trail to its intersection with the Strawberry Cienega Trail, where they spent the previous night, fanned out in all directions to conduct a meticulous search of ridges and gullies — but to no avail, Rockwell reported.

### Worst Enemy? followed by "The Cycle of Success: Getting Where You Want to Go."

from 10:05 to 11:30. Ms. Hinsdale will talk about the maintenance of sex roles and stereotyping in working groups and positive personal solutions to improve working relationships.

Mary Ellen Mead, a broker at Merrill Lynch in Whittier, is a Phi Beta Kappa graduate in Economics from Stanford University, and holds both an M.A. degree

in Management and an M.A. degree in Liberal Arts from Claremont Graduate School. As well as her work with the investment firm, she has been active in a number of community activities and professional organizations, and has been a member of the Attorney General's Task Force on Women's Rights since 1974.

At 1:30 p.m. she will discuss "What Makes for Value in an Investment?" Ms. Mead will talk about short-term and long-term investments in bonds and stock ownership and what sort of questions an investor should ask before buying either. She will emphasize how to use today's money to buy tomorrow's profits.

This will be followed at 3:05 p.m. by a short recap and a discussion on how to read a stock report and how to interpret financial information.

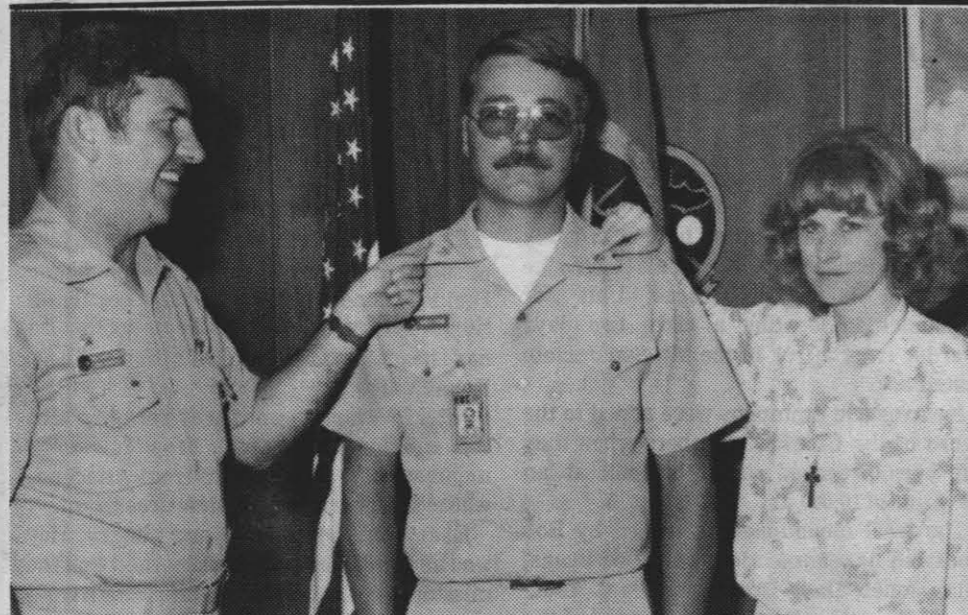
Karen Altieri, the Center's Professional Recruitment Coordinator, will speak on "Judicious Risk Taking" at the lunch meeting. She will emphasize when taking a risk is worthwhile in a career situation, and will touch on risk taking in personal life.

Reservations are required for the lunch because of limited space. They may be made by telephoning Eloise Burklund, NWC ext. 2634, before close of business on Monday. Menu choices are chef salad for \$3.35 or baked chicken Greco for \$3.50.



Karen Altieri





**CHIEF FROCKED** — Capt. Paul D. Stephenson, Commanding Officer of Air Test and Evaluation Squadron Five (VX-5), joins Mrs. Janet Fena in pointing out insignia on the collar of AMESC David A. Fena. AMESC Fena was frocked as an E-8 recently; frocking is a process whereby an officer or chief receives all the rights and privileges of the next highest rank without receiving a raise in pay. AMESC Fena, who has served nearly 19 years in the Navy, has been at China Lake since January 1978. He is CPO of both the Aircraft Division and the Aviator's Equipment Branch in VX-5. —Photo by PHC R. L. Ziegler

## Hot breakfasts now available at NEX snack bars on Center

Hot breakfasts at low food prices are being featured at all five of the Navy Exchange snack bars on the Center.

The Aerodrome snack bar at Armitage Airfield opens at 7 a.m., but the other four (Michelson Laboratory, Bennington Plaza, the bowling alley, and the newest, the Highland snack bar) all are open at 6:30 and ready to serve eggs fixed any style, crisp breakfast potatoes, and all the trimmings to hungry Centerites. There's even a "muffin special" similar to others advertised on television.

The snack bars also serve lunch entrees and a wide variety of sandwiches and other quick food each day between opening time and 2 p.m. when they shut down (with the exception of the snack bar at the bowling alley, which stays open until 11 p.m.).

All the snack bars feature good food at low prices in pleasant and immaculate surroundings. NEX snack bars on the

Center have continually received highest ratings for sanitation.

Since mid-May the Navy Exchange has been running the snack bar at what had been the CLPP cafeteria. Renovation of facilities there has included a "name the snack bar" contest, and Jack Thompson's winning entry — Highland snack bar — won him a \$25 gift certificate.

A sign will be installed shortly with the winning name on it to announce to all passers-by in the Pilot Plant area that the facility is under new management.



## Promotional Opportunities

(Continued from Page 2)

SAR techniques for application to military aircraft, development of interface equipment for integration between this avionics and appropriate weaponry and development of ground support equipment appropriate for conducting real-time test and evaluation of aircraft/missile peculiar SAR systems. Job Relevant Criteria: Experience in the development of radar systems and digital image and signal processing systems; ability to meet and deal effectively with contractors and program sponsors; ability to communicate effectively orally and in writing. Promotion potential to GS-13.

Announcement No. 362. Equipment Specialist, GS-1478-9, PD No. 802455N, Code 3455 — This position is located in the Logistics Documentation Branch, Technical Data Division, Engineering Department. The position involves providing maintenance technical data and logistics documentation management for missile systems, avionics systems and ground support and test equipment. Job Relevant Criteria: Knowledge of engineering drawings, reports, and systems specifications; knowledge of DoD provisioning policies and logistics planning procedures; ability to deal effectively with personnel at various management levels. Promotion potential to GS-12.

Announcement No. 362. Electronic Technician, GS-856-9, PD No. 8034657N, Code 3641 — This position is located in the Printed Circuits Processing Section, Electronic Prototype Branch, Engineering Department. The purpose of this position is to develop new processing techniques of printed wiring boards (PWB) and processing of photo-chemical fabrication of printed circuits; provide guidance and direction to operators of the printed circuit facility and train new employees in the PWB processing functions; maintain and recommend improvement of the printed circuit device and facility; and individually participate in the processing of developmental hardware. Job Relevant Criteria: Knowledge and skill in procedures required to prepare multi-layer PWB to completion; knowledge and skill and ability in silk-screening operations for PWB; knowledge, skill and ability in using various techniques of PWB manufacture, e.g. print, etch and plate through-hole boards; knowledge and skill in using Navy supply system and in the use, analysis and ordering of electro and electroless chemicals. Promotion potential to GS-10.

Announcement No. 363. Administrative Assistant, PD No. 8034658N, GS-341-5, Code 36302 — Temporary position NTE 1 yr. This position is located in the Shrike Production Office, Product Design Division, Engineering Department. The purpose of this position is to provide fiscal and administrative assistance to the Shrike program manager and staff. The incumbent is responsible for the preparation and maintenance of the project expenditure plan, the Naval Weapons Center budget and the financial reports to sponsors. The incumbent gathers, assimilates and abstracts information for staff members upon their request. Job Relevant Criteria: Knowledge of fiscal and administrative procedures; ability to prepare various budget and financial reports clearly and concisely; ability to establish and maintain effective personal relationships in a variety of

work situations; ability to plan and organize work in situations where diverse demands require adaptability to changes in policies and procedures; knowledge and ability to assist with contract preparation duties.

Announcement No. 364. Interdisciplinary Position, Mechanical/Electronic Engineer, GS-230/855-12, PD No. 74551973E, Code 34301 — This position is located in the Sparrow Production Office, Product Design Division, Engineering Department. The incumbent will be responsible for providing production engineering project management support on the Sparrow production program. He/she will be responsible for evaluating proposed design changes for impact on design interfaces, reliability, quality assurance, and system integrity; ability to manage/coordinate the efforts of a technical team responsible for resolution of production problems; ability to communicate effectively orally and in writing with technical and program-oriented personnel regarding complex production matters.

Announcement No. 42901. Model Maker, WG-4714-14, JD 545N, Code 62114 — This is that of a Model Maker in the Warhead Test and Evaluation Section of the Ballistics Test Branch, Ordnance Test and Evaluation Division, Range Department. The incumbent independently performs the work from the layout of work sequences through material selection to complete fabrication and assembly of models. Assignments are received verbally and in rough sketches from an engineer or technician. Working closely with the engineer or technician, the craftsman model maker fabricates testing fixtures, test stands, facility modifications, electronic chasis, panels and cabinets, camera barricades, and other one-of-a-kind items. Job Relevant Criteria: Ability to perform model maker functions without more than normal supervision; ability to plan, layout, set up, assemble and test sheet and plate metal fabrications from verbal instructions and rough sketches; knowledge of heat treating procedures for alloys and a wide variety of stainless steel and other exotic metals; dexterity and safety. Supplemental required.

Announcement No. 42902. Secretary, GS-318-3/4, PD No. 8042047N, Code 42902 — This is a part time position located in the office of the Head of Staff, Range Department. The incumbent provides secretarial support to the administrative officer and administrative staff of the Range Department. Duties consist of typing; filing; telephone services, and maintaining plant account, security, and personnel records and logs; mail sorting and processing; time keeping verifications; and other selected duties. Job Relevant Criteria: Ability to type efficiently; ability to communicate effectively; knowledge of Navy filing systems and other references and handbooks; knowledge of directives commonly used in carrying out secretarial and administrative matters.

## Jerry Reed to leave soon for NAVAIR post in Washington, D.C.

A farewell party was held last night at the Commissioned Officers' Mess for Jerry Reed, associate head of the NWC Range Department, who will be leaving China Lake soon for a high level post with the Naval Air Systems Command (NAVAIR) in Washington, D.C.

Reed's new duties will be those of Technical Director, Test and Evaluation Group, AIR-06B. In this Senior Executive Service (SES) position, Reed will have responsibility for assuring that policy and guidance on test and evaluation matters emanating from the Chief of Naval Material and COMNAVAIR are appropriately implemented and consistently carried out within the Command—both at headquarters and in the field—on a continuing basis.

AIR-06 has cognizance over the Navy's major range and test facilities. In addition to the Naval Weapons Center, these include the Pacific Missile Test Center, Pt. Mugu, Calif.; the Naval Air Test Center, Patuxent River, Md.; the Naval Air Propulsion Center, Trenton, N. J.; the Atlantic Fleet Weapons Test Range, based in Puerto Rico, and the Atlantic Undersea Test and Evaluation Center in the Bahamas.

### MAJOR DUTIES

Among Reed's major duties in his new position will be justification to higher authority of the procedures and execution of all established policies and guidance relating to test and evaluation, ranges and targets.

In addition, Reed will represent NAVAIR in discussions with engineers in government and industry on matters related to test and evaluation, utilization and development of ranges, as well as on instrumentation and targets.

Reed, who is a recipient of the L. T. E. Thompson Award and was the first NWC



Jerry Reed

employee to be selected for a Congressional Fellowship, came to China Lake in 1965.

He was singled out to receive the Thompson Award in October 1976 for "his outstanding technical and administrative leadership in furthering the goals of the Center's Test and Evaluation mission" while employed as a supervisory general engineer in what was then the Test and Evaluation Department's Project Engineering Division.

Shortly after receiving the Thompson Award, Reed was chosen to head the Test and Evaluation Directorate's Long Range Planning Office and was involved in coordinating the Project 21 program—a 25-year plan designed to prepare the Center's test and evaluation facilities for the 21st century.

The Washington, D.C., scene will not be new to Reed, whose selection as one of three Department of Defense employees for a Congressional Fellowship in 1977-78 provided him with the opportunity to gain firsthand information on how the legislative process works in the nation's capital.

In line with Reed's interest in military matters he was, during this time, involved

in a five-month study of the all-volunteer Army that took him to 13 Army bases in the United States and also to Germany and Great Britain.

Reed's first job at China Lake in 1965 was with the Infrared Countermeasures Group in the former Test Department. Five years later, he started the Aircraft Survivability Program at NWC after first designing a scale model of the Aircraft Survivability Range on his kitchen table at home. This was part of a successful 5-year effort to convince the Naval Air Systems Command to build the Aircraft Survivability Facility here.

In 1971, while still running that program, he became head of the Aircraft Guns Systems and Survivability Branch while research was being conducted on high-energy lasers and some advanced missile systems. Three years later Reed became head of the Project Engineering Division in the T&E Department with the responsibility of seeing that the workload for the air and ground ranges was planned correctly.

## Annexation . . .

(Continued from Page 1)

will be no change in the way such services are provided unless the ownership of the land in a portion of the area proposed for annexation changes hands.

Currently Naval Weapons Center's plans call for retaining housing north of Halsey Avenue and residences in the Capehart B area, as well as some apartments. Older homes in the sector south of Halsey are due, when vacated, to be declared excess to the Navy's needs and offered for sale through the General Services Administration—being disposed of in the same way that 600 Desert Park (Wherry) homes have been.

While the homes are on property that is owned by the federal government, they will continue to be protected by China Lake Police and Fire Division personnel, and street maintenance and public utility services will be provided by the Navy.

Annexation will mean that China Lake Police will enforce city rather than county ordinances, Cdr. Perry Patterson, NWC Staff Judge Advocate, commented. One minor area of change in this regard will be a later curfew hour for youngsters under 18 years of age.

Cdr. Patterson also mentioned that annexation to the city would bring an end to charges currently paid by the Center to the City of Ridgecrest for animal control service.

The levying of city property taxes in the area proposed for annexation, once it comes under city control, is not a critical matter, City Administrator Eichenberg said. Under state law, he noted, the city has very limited revenue-raising power, and the city cannot tax property located on government land.

### STREET NAME CHANGES

In the interest of uniformity, however, some street name changes will be required since there are 17 duplicate street names at different locations at China Lake and in Ridgecrest. There also is the likelihood that Halsey Ave. (for example) would be changed to Invokern Rd. as it continues eastward past the main gate and into the NWC housing area.

Those present at the meeting, which was called by Vet Payne, NWC Public Affairs Officer, were Capt. Jon Ives, Public Works Officer; W. E. Davis, head of the Safety and Security Department; Steve Kaupp, associate Director for Security; Ron Nelson, police chief at China Lake; Cdr. Perry Patterson, NWC Staff Judge Advocate; Bill Eichenberg and Ron Brummett, city administrator and director of planning, respectively, for the City of Ridgecrest; Brenda Burnett, a member of the Ridgecrest City Council; Ed King, editor of the Daily Independent newspaper in Ridgecrest; and Don Yockey, editor of the ROCKETEER.



## Save energy, turn off fluorescent lights even for a short time

"Turn off fluorescent lights whenever you leave the room for even a couple of minutes," is advice given by the Navy's Civil Engineering Laboratory based on a study recently completed there.

The study showed that fluorescent lights only have to be turned off for one second in order to save the amount of energy that will be expended when the lights are turned on again. The in-rush current lasts only for 1/120 second, and has a peak value about five times as large as the steady-state peak.

This new information counters the long-held notion that fluorescent lights had to be turned off for an extended period of time before the energy saved equals the energy required to initially energize the light.

Although switching lamps on and off slightly reduces lamp life, the reduced operating time offers other benefits. With a 40-hr. workweek, a standard rapid-start fluorescent lamp, switched on and off several times during the day, will last about 10 years or 22,000 hours. The same lamp operating for 12 continuous hours each day will burn out in 6.8 years or 30,000 hours.

Since both energy and replacement costs are cut when the lights are doused, Centerites are again reminded—turn out that light when leaving the room!

## New officers of FEW to be installed on June 19

Federally Employed Women, Inc. (FEW) will hold its annual installation of officers on Thursday, June 19, in the patio room of Clancey's Claim Co. in Ridgecrest. The dinner meeting will begin at 6 p.m. and is expected to last until about 9 o'clock.

Officers being installed are Wanda Clark and Vivian Estrada, co-presidents; Barbara Smith and Pamela Rivera, co-vice presidents; Joann Kovaleski, secretary; and Ella Foust, treasurer.

Spouses and guests are welcome. Dinner reservations are required, and may be made by telephoning Gayle Ammerman by the close of business Tuesday at NWC ext. 3224.

## Plaque to be dedicated in memory of 'Aunt Lili'

As one of his final acts of service as a student rabbi for the NWC Hebrew Congregation, Dan Bridge will dedicate a plaque in memory of "Auntie" Lili Shapiro this evening at 7:15 in the East Wing of the All Faith Chapel.

Miss Shapiro was the aunt of Alice Dubin who served as curator of the Maturango Museum for a number of years.

The plaque dedication ceremony will be followed at 7:30 by the last Sabbath service to be conducted here by Student Rabbi Bridge for the local Hebrew Congregation. Visitors are welcome.



**RETIREES FROM NAVY** — A career covering 21 years in the Navy ended recently for Senior Chief Operations Specialist Gary L. Gillen, who has served for the past year as NWC's Senior Chief Petty Officer of the Command. During a ceremony held in the office of Capt. William B. Haff, NWC Commander, where his retirement papers were signed, OSCS Gillen receives an American flag and best wishes from Capt. Haff, while Senior Chief Gillen's wife, Carolyn, looks on. In lower photo, Senior Chief Gillen exchanges salutes with sideboys formed outside the entrance to the NWC Administration Building to "pipe him over the side." OSCS Gillen, who reported to NWC in July 1978 from the frigate USS Fanning for duty as the Command Career Counselor, has gone to work for Ridgecrest Engineering in a job that will make use of his Navy training in electronics and computer programming.

## Dust from Mount St. Helens analyzed . . .

(Continued from Page 1)

particulates in the air had reached a density of 110 micrograms per cubic meter. Dust particles covering the high volume filter used that day by the KCAPCD match the color of volcanic ash collected from the Mount St. Helens eruption.

Particles captured on nucleopore filters located on top of the Earth and Planetary Sciences building on Wednesday, April 16, have been analyzed under the scanning electron microscope (SEM) by Bob Woolever of the Microelectronics Branch, Fuze and Sensors Department, and Glen Roquemore, Earth and Planetary Sciences Division, Research Department.

The SEM in the Fuze and Sensors Department was used because it has an energy dispersive X-ray analyzer so that particles can be analyzed to determine their chemical composition at the same time they are photographed and studied.

### CLASSIC EXAMPLES

Two types of particles collected on the nucleopore filters are textbook examples of volcanic ash; a third has a dagger shape that has been reported as characteristic of Mount St. Helens ash. These dust particles have sharp edges, whereas dust from Owens Lake is more crystalline or flat and has smoother or beveled edges.

An elemental analysis of the dust clearly indicates that these particles are not Owens Lake dust normally found in the Center's

## Flag Day ceremony to be held tomorrow night at Elks Lodge

A Flag Day ceremony, commemorating the 203rd anniversary of the adoption of the American flag, will be held tomorrow, starting at 7 p.m. at the Ridgecrest Elks Lodge, 201 E. Church St.

The event is open to the public, and all local veterans' and fraternal groups are invited to participate by sending representatives who will be seated around the lodge meeting room with the banners of their organizations.

The program will include a pageant of American flags that have flown during various times in this nation's history, and the construction of a floral liberty bell by Elks Lodge officers.

Dick Joyce, exalted ruler of Ridgecrest Lodge No. 1913, BPOE, will preside over the Flag Day ceremony, and the principal speaker of the evening will be Capt. Harry Parode, USN (Ret.), a former department head and public information officer at

NWC, who is now manager of the Ridgecrest branch of Computer Sciences Corp.

The Ridgecrest City Council has proclaimed this week as Elks Lodge Flag Week, and there will be brief remarks by Harold Hockett, mayor of Ridgecrest, during the Flag Day program.

The ceremony, which will be preceded by a social hour from 5 to 6 p.m., will begin with posting of the colors by members of the Desert Sun color guard, and a performance by the NWC Sidewinder drill team led by AD2 Clinton Jefferson.

### FLAG'S HISTORY TO BE RETOLD

Boy Scouts from throughout the local area will participate in the ceremony by carrying replicas of American flags that have flown during the past 203 years and, as they march in to the meeting room, an account of the history of the American flag will be read by Fred Whitnack, a past exalted ruler of Lodge No. 1913, BPOE.

In addition, Don Davis, another past exalted ruler of the Ridgecrest Elks Lodge, will present a talk on "What the American Flag Means To Me."

One of the traditions of the Elks Lodge Flag Day ceremony is the ritual of burning old and worn out American flags. Individuals or groups who have soiled and tattered flags are invited to bring them to the Ridgecrest Elks Lodge to be disposed of in the proper manner.

The flag burning, followed by the playing of "Taps," will conclude the Flag Day ceremony, which is being arranged by Richard Zinke, as chairman. Those attending are invited to remain for refreshments that will be prepared for a free buffet at the conclusion of the Flag Day program.

## Tenants' self-help bins open only Tues., Thurs.

A wide variety of materials provided free of charge for tenants of Navy housing who wish to handle minor repairs to their homes can be obtained at 77 Bard St.

Beginning on June 17, materials from the "self-help" bins set up in the lounge at 77 Bard St. can be picked up on Tuesdays and Thursdays between the hours of 10:30 a.m. and 1 p.m.

Items available include fence paint, water sprinkler heads and parts, door knobs, hinges, cabinet catches, and towel racks. In addition, some garden tools can be borrowed for use by NWC tenants.

Mount St. Helens is still sputtering and emitting steam. Volcanologists are not sure whether the worst of the eruptions has yet happened, although the eruption on May 18 was the largest lateral eruption ever recorded. (Most eruptions are vertical; Mount St. Helens blew out the north face of the mountain as well as its top.)

### WIND PATTERNS REOCCUR

If another major eruption occurs and the wind patterns are the same as they were in mid-April, considerably more volcanic ash may drift to the local area. Wind patterns like those that carried the dust from Washington State to this area happen for two to three days at a time several times a year.

Dr. Larry Mathews from the Earth and Planetary Sciences Division, Research Department, and Roquemore theorize that one of the causes for climatic changes in this region in the last Ice Age was the amount of ash and dust thrown into the atmosphere by the multitude of volcanoes all around the eastern Pacific including those in the Coso Range, Owens Valley and Nevada.

If the small amount of volcanic particulates in the local air on April 15 through 18 affected both visibility and the amount of insulation recorded, ash from near-by volcanoes could have had a pronounced effect on local climate.