

### Noted journalist Pauline Frederick to speak at college

Women's influence on world affairs will be the topic to be discussed during the next program of the current Cerro Coso Community College lecture series.

Featured speaker in the college lecture hall at 7:30 p.m. on Friday, Dec. 3, will be Pauline Frederick, retired National Broadcasting Corp. correspondent to the United Nations and the first woman to be elected president of the United Nations Correspondents' Association.

Miss Frederick suggests that in the international field, women should be given a chance to turn off the arms race and turn on the human race. "I think the cultural conditioning of women, our upbringing, makes us a little more amenable to working out differences," she said. "Women have not had that indoctrination that softness shows weakness, and that our first priority must be being prepared to make war," she adds.

#### First Newspaper Experience

She began her reporting career by interviewing wives of diplomats for the Washington Star. Later she wrote for the North American Newspaper Alliance and reported from several countries overseas.

After joining NBC, Miss Frederick appeared on her own news program and reported on political conventions, as well as the United Nations. She covered the UN from its organization in 1953 until her recent retirement. During this time, she earned global recognition for her distinguished reporting career on world affairs, and was the recipient of 16 honorary doctorate degrees and many citations and awards for her contributions to international understanding.

Tickets for the lecture by Miss Frederick can be purchased at the Station Pharmacy at China Lake, at the Gift Mart in Ridgecrest, or at the college business office. They also will be available at the lecture hall door next Friday night.

General admission is \$2 per person, while ASB cardholders will be admitted for \$1.50.

### Renaissance Faire planned on Dec. 4 by Sunshine House

Preparations are in full swing for a Renaissance Faire that will be held on Saturday, Dec. 4, from 9 a.m. to 4 p.m. by Sunshine House, activity center for the handicapped.

Purpose of this event is to raise funds to help carry on the program at Sunshine House, and also to showcase the handicraft and art work of clients who attend the activity center, which is sponsored by the Indian Wells Valley Association for the Retarded.

On sale at booths, which will be set up in the small neighborhood park at Dorado and Arondo Sts. in the Wherry Housing area (just next door to Sunshine House), will be examples of pottery, paintings, tie-dye work, weaving and macrame made by the handicapped young adults who participate in the many and varied programs offered at Sunshine House.

In addition, these same young people will be selling Hollie Hobbie dolls which they also have made and will be manning a food booth at which chili, scones and coffee will be sold.

The various kinds of handicraft and art work offered for sale by Sunshine House clients will be augmented by the work of professional artists from throughout the local area and from as far away as Bakersfield, whose work also will be on sale.

Entertainment planned during the Renaissance Faire will include folk songs and guitar music by Jim Strathdee, a music teacher at Sunshine House, and by Kim Paxton; a dance demonstration by a group from the Los Angeles area, and a puppet show under the direction of Karen Henderson, arts and crafts instructor at Sunshine House.



**GEM, MINERAL SOCIETY SHOW HELD** — The Community Center was the setting this past weekend for the 20th annual Indian Wells Valley Gem and Mineral Society show. This camera's-eye view of the event shows (in upper photo) a portion of the crowd, estimated at more than 1,300 for the two-day event, as the visitors inspected glass encased displays containing hand-crafted jewelry, cut and polished stones, uncut minerals, fossils and some Indian artifacts, as well as polished spheres and bookends made from various types of rocks found in the local desert area. The Gem and Mineral Society's sales booth (lower left photo), was a popular spot. There, visitors could pick out geodes (which were sold by the pound) and have them cut open on a rock saw manned by old timer Frank Thorpe to see what unusual formation of crystals was to be found inside. Samples of picture Jasper, agate and petrified wood also were on sale at this booth. In the photo at lower right, Lynn Haun is watching Ed Wagner as he demonstrated the technique of chipping arrowheads from rocks. —Photos by Ron Allen

### William Mallory, lyric baritone, to be featured in concert program Tues.

The third program of the Indian Wells Valley Concert Association's 1976-77 season will be presented at 7:30 p.m. on Tuesday at the Center theater when lyric baritone William Mallory sings works of Schubert and Ravel, an operatic aria, and selections from operettas and musicals.

A prize winner in the San Francisco Opera finals, Mallory brings an impressive list of credits to the concert stage. He recently won top honors on the premier episode of the television series "Rising Stars," and has been heard at concerts at the Wilshire-Ebel Theatre in Los Angeles, the Ramona Bowl and on Radio Station KFAC.

Though he has sung major roles in Puccini's "La Boheme," Ravel's "L'Heure Espagnole," Pergolesi's "La Serva Padrona" and Zador's contemporary opera "The Scarlett Mill," his versatility also spans lieder, art songs, oratorio, musical comedy and popular songs.

Mallory, who will be accompanied at the piano by Theodore Crain, is a member of the Los Angeles Gilbert and Sullivan Company Opera a la Carte, and has performed leading roles in "Patience," "Ruddigore," "HMS Pinafore," and "Cox

and Box."

A number of enthusiastic reviews greeted his recent performances as Rutledge in "1776" and as Lt. Cable in two productions of "South Pacific," in which he co-starred with Howard Keel and Giorgio Tozzi.

Mallory's other music credits include leading roles in "Kiss Me Kate," "Cabaret," "How to Succeed in Business," "Camelot," "West Side Story" and "Godspell."

All seats for the performance are reserved. Tickets, depending on seat location, are \$5, \$4 and \$3, for general admission, with a half-price rate extended to youths under 21 years of age, senior citizens 65 and over, and enlisted military personnel.

The theater box office will be open for the sale of concert tickets from 4:45 to 6 p.m. on Monday, and from 4:45 to 7:15 p.m. on the evening of the performance. Reservations may be made, and further information can be obtained, by phoning 375-5600.

### Artist's work on display at college

A collection of 16 prints by James Abbott McNeil Whistler, one of America's greatest artists, will be on display through Tuesday at Cerro Coso Community College.

Probably best known for his painting "Portrait of the Artist's Mother," Whistler was a fastidious and innovative painter and printmaker. The college's exhibit spans approximately 30 years of the artist's life and is open to the public Friday from noon until 3 p.m. and Monday and Tuesday from noon until 7 p.m.

The exhibit is set up in the college's second-floor art gallery.

### Dances set at CPO Club

Teri Ruse and the Roosters, a local country swing and modern group, will be playing for a dance at the Chief Petty Officers' Club tonight from 9 until 1 a.m. Dinner special for the evening will be prime rib, served from 6 until 9.

A local soft rock group, the Beachcombers, will perform Saturday night, again from 9 until 1 a.m.



William Mallory

## SHOWBOAT

### MOVIE RATINGS

The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.

- (G) - ALL AGES ADMITTED  
General Audiences
  - (PG) - ALL AGES ADMITTED  
Parental Guidance Suggested
  - (R) - RESTRICTED  
Under 17 requires accompanying Parent or Adult Guardian
  - CS - Cinemascope
  - STD - Standard Movie Screen
  - Regular starting time—7:30 p.m.
- Program subject to change without notice — please check marquee.

#### 26 NOVEMBER

##### FRI. "THE RED MANTLE" (91 Min.)

Glitte Hainning, Oleg Vidov  
(Drama) This is a story of the time when Scandinavia was ruled by kings of each district and there was continuous fighting for territory. When a king was killed in battle, his sons were sent to avenge his death. (R)

##### SAT. "THE SUSPECT" (92 Min.)

Mimsy Farmer, Paul Maurisse  
(Drama) This is the story of a young American student, Candice Straszberg, on vacation in France. Five days after her arrival her body is discovered, her clothes slashed to pieces and her half naked body gives the impression that the young student had been raped. A mark around her neck leaves no doubt as to the cause of her death. The phantom has struck. As soon as the crime is discovered, the police are warned and immediately an inquest is under way.

##### SUN. "GUMBALL RALLY" (107 Min.)

Michael Sarrazin, Norman Burton  
(Action-Comedy) Zany characters assemble for an annual celebration of a cross-country race that begins in New York and, after many crack-ups, ends in California. Defending titleholder for completing the trip in a record 34 hr., 11 min., is business executive Michael Sarrazin, who heads the group of racers to California. Much of the fun is derived from the frustrated efforts of detective Norman Burton to put a stop to these mad cross-country racers. (PG)

#### 29 NOVEMBER

##### SUN. "BLACK CHRISTMAS" (107 Min.)

(Suspense Drama) Christmas Eve and the end of a semester are being celebrated by the girls of a sorority house in a small college town. During it, noisy festivities a heavy breathing stranger enters and makes his way to the attic. A feeling of terror settles over the girls as a telephone caller ends his obscene call with a death threat. The voice lives up to its promise and a series of mysterious deaths and disappearances occur. (R)

#### 30 NOVEMBER

##### WILLIAM MALLORY, LYRIC BARITONE

##### WED. "LEPKE" (110 Min.)

Tony Curtis, Candice Bergen  
(Action Drama) Louis Lepke, the Brooklyn racketeer of the 1920s, has the distinction of being the first alumnus of the Prohibition generation to be electrocuted at Sing Sing, the first Jewish gangster to achieve national notoriety, the first major crime figure prosecuted by Thomas E. Dewey (while New York District Attorney) and the only hoodlum to surrender to the FBI by using a columnist (Walter Winchell) as a conduit. (R)

#### 2 DECEMBER

"THE STORY OF ADELEH" (98 Min.)  
(Love Story) Halifax - 1863, Isabelle Adjani, daughter of famed writer Victor Hugo, lived only for the love of English Lt. Bruce Robinson. Isabelle refuses to believe that their brief affair is over. Despite Robinson's indifference she humbles herself and goes to great lengths to get him to marry her without success. (PG)

#### 3 DECEMBER

"CHILD'S PLAY" (101 Min.)  
Robert Preston, James Mason  
(Suspense Drama) An indefinable, sinister game is being played at St. Charles boarding school. A new gym instructor becomes enmeshed in a conflict between two of his former teachers and senseless violence stalks the school. (PG)

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From: \_\_\_\_\_

To: \_\_\_\_\_

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# nwc rocketeer

Naval Weapons Center  
China Lake  
California

November 26, 1976

Vol. XXXI, No. 47



**NIGHT OPERATIONS NECESSARY** — Two shifts are worked normally during drilling operations at the Coso geothermal area. However, once the drilling had reached the point where it was ready for cementing the casing, this job had to be continued until it was completed as the above photo (taken around midnight)

shows. Cement from Halliburton trucks at right was pumped down the casing and then back up to the surface to fill the space between the casing and the surrounding solid rock in order to anchor the casing and prevent fluids and gases from escaping and bubbling up around the casing. —Photo by Gene Edwards

## Drilling in Coso geothermal area examined by visitors to NWC from Washington, D.C.

Dr. Peter Waterman, special assistant for Energy Research and Development from the Office of the Secretary of the Navy (R&D), was a recent visitor to the Naval Weapons Center, along with three other men with allied interests from the nation's capital.

While visiting Dr. G. W. Leonard for the purpose of reviewing the Center's energy

self sufficiency programs, Dr. Waterman took advantage of the opportunity to check on the progress that has been made in drilling a 4,000 ft. hole for what will be the first deep test of the Coso geothermal site in the NWC northern range area.

Dr. Waterman was accompanied by China Lake by Peter Ritzcovan, Walter Adams and LCdr. Robert Owen. Ritzcovan is from

the Navy's Energy and Natural Resources Research and Development Office; Adams is with Headquarters, Naval Facilities Engineering Command; and LCdr. Owens is assigned to the Energy Management Branch (Code 41) in the Office of Naval Operations.

The four men made a special trip to the Coso Geothermal Project's deep drilling site to inspect both the drill rig and coring operations.

According to Dr. Carl Austin, the geothermal program manager for NWC, drilling of the first test hole has just entered its second significant stage. The drilling contractor (Connors Drilling of Denver, Colo.) has reached the 450 ft. mark, installed and cemented casing to that depth, and is now proceeding with drilling work that will continue to a depth of 1,750 ft. before again cementing the casing.

(Continued on Page 3)

## Ceremony to disestablish NAF as separate command set Dec. 1

A ceremony marking the official disestablishment of the Naval Air Facility as a separate command will be held at 9 a.m. next Wednesday, Dec. 1, outside Hangar No. 3 at NAF.

As a result of the change, Capt. C. B. Olson, who has been Commanding Officer of the Naval Air Facility since June 20, 1975, will be relieved of his duties as C.O. With the disestablishment of NAF as a separate activity, Naval Air Facility personnel will report to Rear Admiral R. G. Freeman III, NWC Commander, for duty assignments within the new NWC organization.

Under the Center's recent organizational realignment, Capt. Olson's new duties here will be those of Deputy Director of the Test and Evaluation Directorate, while NAF has been designated the Aircraft Department (Code 61) and is headed by Cdr. S. I. Stocking.

#### Welcome Mat Out

All military personnel attached to the Naval Air Facility will be participants in the ceremony next Wednesday morning, and officers and civilians of the Naval Weapons Center are invited to attend as guests.

The Naval Air Facility had its beginning in the formation in April 1943 of a special experimental unit, Headquarters Squadron Fleet Air Wing 14 (Hedron 14), that was organized to support the CalTech rocket test work at Inyokern.

The following December, this squadron (still based at San Diego) became Aviation Ordnance Unit No. 1, headed by LCdr. Thomas R. Pollock as Officer-in-Charge. As soon as the necessary personnel, aircraft and equipment were provided to enable the

unit to fulfill its mission of providing technical aviation facilities and equipment necessary for the development and flight testing of aviation ordnance, armament and experimental projects as set by the Navy's Bureau of Aeronautics and Bureau of Ordnance.

(Continued on Page 4)



**DRILLING OPERATION DISCUSSED** — Dr. Carl Austin (at right), program manager for NWC, explains to a group of official visitors how the wire-line coring operation is being carried out at the Coso geothermal area. The visitors are (l.-r.) Dr. Peter Waterman, Peter Ritzcovan, Walter Adams and LCdr. Robert Owen. In the background is Carl Halsey, who is Dr. Austin's range engineer.



Capt. Richard D. Franke

## Capt. Franke to leave NWC for duty in Norfolk

A 2½ year tour of duty as Deputy Commander of the Naval Weapons Center will come to an end today for Capt. Richard D. Franke, who is leaving the Naval Weapons Center for a new assignment as Deputy Fleet Maintenance Officer on the staff of the Commander-in-Chief Atlantic Fleet headquartered at Norfolk, Va.

Capt. Franke's duties at NWC are being taken over by Capt. Frederic H. M. Kinley, who is reporting to the Center from the Naval Sea Systems Command Headquarters in Washington.

A veteran of more than 25 years service in the Navy, Capt. Franke reported to China Lake in June 1974 following three years in the nation's capital, where he was assigned to the Naval Ordnance Systems Command — first as the system test, evaluation and integration manager on the AEGIS Project, and later as the acting weapon system manager for AEGIS.

The departing Deputy Commander is a native of Fort Wayne, Ind., and attended St. Joseph's College in Collegeville, Ind., prior to entering the U.S. Naval Academy. He was commissioned an ensign on June 1, 1951.

Upon his graduation from Annapolis, then

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## Varied events set for Fed'l Women's Week, Dec. 6-10

A wide range of events has been scheduled in honor of Federal Women's Week, Dec. 6-10, according to Karen Altieri, Federal Women's Coordinator for the Center.

Speakers, panel discussions, films, and a workshop are included in the programs, most of which will be held in the Sidewinder Room of the Community Center.

Command requests that all employees, male and female, be permitted to attend at least one session during the four days of programming. Supervisors may receive EEO training credit for attendance.

The Federal Women's Award, which honors women who have functioned professionally in a traditional role, and the Supervisors Award, which honors supervisors who have encouraged women to achieve full career potential, will be presented by Rear Admiral R. G. Freeman III, NWC Commander, on Tuesday, Dec. 7, at the opening session. The recipients of these awards will be honored at a luncheon beginning at 11:30 a.m. at the Enlisted Club.

A special lunch meeting at the Enlisted Club also is planned for Thursday, Dec. 9, when Ann Brassier, a Civil Service Commission manager in the Los Angeles area, will present a talk entitled "Room at the Top."

Reservations for either of these luncheon meetings may be made by calling Nan Outlier, ext. 5566, or Lynn Bennett, ext. 3838.



AMERICAN CUSTOM OBSERVED— Josefa Dobbins (at left), who is from Spain, and Kit Juan Watt, from Hong Kong, were two of the members of the China Lake Literacy Class who, along with members of their families, attended a Thanksgiving dinner held on Thursday night of last week in the East Wing of the All Faith Chapel. The meal was prepared by the 17 tutors of the class that is directed by Mrs. Lucille Bergthold. A day earlier, Mrs. Dobbins, who has been attending the Literacy Class since March 1973, became a U.S. citizen. Purpose of this annual event is to treat students from foreign lands to a typical Thanksgiving Day dinner. Entertainment during the evening included vocal selections by the madrigal singers from Burroughs High School, under the direction of Russ Parker, and Thanksgiving readings by Barbara Fowler. —Photo by Ron Allen

### Update provided on activity of Police Division at China Lake

Citizens are interested and concerned about crime in their community. Steve Kaupp, the China Lake Chief of Police, has reported the following information in the hope that it will alert Naval Weapons Center residents to the fact that measures should be taken to protect themselves and their property.

Police statistics reflect a slight decline (1.6 per cent) in the total number of crimes reported since July 1, 1976, as compared with the first six months of this year. Figures show that residential burglaries and break-ins of vehicles are well ahead of last year's figures. Stereos and CB (citizen band) radio units are a favorite target. For this reason, local residents are urged to

keep their vehicles locked at all times. Experience has shown that many China Lakers have been leaving their homes unlocked and as a consequence, are falling victim to thieves. In addition to locking all doors before they leave, residents are urged to take other precautions while away from their homes on weekends and at other times.

Connecting house lights to a timing device, making windows and sliding doors more secure are two measures that should be utilized, China Lake police suggest. With the Christmas season fast approaching, precautions should be taken to prevent the theft of presents from both homes and vehicles.

### Address cards for W-2 statements distributed

Ready for distribution today to civilian employees of the Naval Weapons Center are address cards that are required to facilitate the mailing of 1976 W-2s (withholding tax statements). All employees are asked to fill out the address cards, whether they have moved or not, since address records are not retained from prior years. The card is to be completed with the correct mailing address shown and then forwarded to the Naval Weapons Center Payroll Office, Code 0864, in time for it to be received no later than next Friday.

### Violent Crimes Decrease

Crimes of violence (rape, robbery and assaults) are below last year's figures at China Lake. A total of 53 such incidents occurred here last year, while 36 have been reported so far in 1976. Petty thefts are the most numerous crimes reported, and there have been 226 so far this year.

Locally, narcotics violations are below last year's figures by more than 30 per cent. A breakdown of arrest figures shows that 341 juveniles have been handled by China Lake police and there have been 123 adults arrested.

Curfew leads the list of juvenile arrests (52), followed by vandalism (44) and burglary (43). The most numerous adult arrests (44) have been for drunk driving.

## Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment, Wage and Classification Division, Code 972, Ext. 2849. 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. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 096 or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-116, while those for all WO, WL and WS positions are defined in CSC Handbook X-116C.

**Engineering Technician, GS-802-5, 6 or 7, PD No. 7462010, Code 4211** — Applications solicited from other than NWC employees. This position is located in the Ballistics Test Branch, Quality Assurance Division, Range Department. This is a developmental position leading to more responsible assignments. The incumbent assists senior technicians in the establishment of test requirements (personnel, equipment, safety) and test procedures, and in the conducting of the test. The tests conducted are concerned with experimental and developmental propulsion units, fuel air explosive tests and various ordnance. Job Relevant Criteria: Knowledge of mathematical, mechanical and electronic principles; knowledge of safety requirements related to ordnance/propellant testing (static); ability to perform limited test planning related to static/environmental testing; knowledge of liquid/solid fuel propellants and ordnance. Promotion Potential: GS-11.

**Electronics Technician, GS-854-7, 8 or 9, PD No. 7462008, Code 4211** — This position is located in the Ballistics Test Branch, Quality Assurance Division, Range Department. The incumbent assists in setting up and operating the instrumentation systems maintained; utilizes and sets-up such instrumentation as strain gage transducers, signal condition modules, such carrier oscillators, oscillographs, and tape recorders, blast gages, first-motion/fragment-velocity sensors, pulse X-ray; assists in making necessary modifications. Job Relevant Criteria: Knowledge of special equipment related to testing; ability to set up and operate instrumentation systems and to modify instrumentation systems. Promotion Potential: GS-11. Applications solicited from other than NWC employees. **Engineering Technician, GS-802-5 or 6 (2 vacancies), PD No. 7462009, Code 4221** — Applications solicited from other than NWC employees. This position is located in the Air Operations Branch, Range Operations Division, Range Department. This is a developmental position leading to more responsible assignments. The incumbent of this position will be assisting senior technicians in various phases involved in the planning and conducting of air tests. The incumbent will use aeronautical, mechanical, electronic and safety knowledge in assisting in the establishment of specific procedures, equipment positioning, specifications and safety requirements for individual tests related to air operations. Job Relevant Criteria: Knowledge of electronics, aeronautical and/or mechanical engineering principles; knowledge of safety requirements related to ordnance and of NWC ranges and their equipments; ability to perform limited test planning requiring analysis of specifications. Promotion Potential: GS-11.

**Management Analyst, GS-343-7 or 9, PD No. 7460004, Code 0401** — This position is located in the Long Planning Office, Test and Evaluation Directorate. The incumbent establishes reporting formats and procedures and evaluates data in terms of projected workload, projected costs, necessary workload changes, impact of changes.

manning levels for various projects, alternative plans, etc. This position has promotion potential to GS-11 provided the incumbent demonstrates full performance of projected duties. Job Relevant Criteria: Knowledge in ability to develop reporting formats and procedures; ability to gather, assemble and analyze financial and work measurement data, and to make oral and written reports and prepare visual aids; knowledge of work processes, functions and procedures related to research and development testing.

File applications for the above with Carol Downard, Bldg. 34, Rm. 208, Ph. 2577.

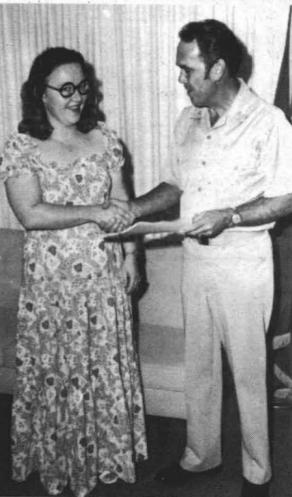
**Electronics Engineer, GS-855-11/12, PD No. 7455039-1E, Code 3431** — Applications solicited from other than NWC employees. This position is located in the Sparrow Program Office, Product Design Division, Engineering Department. Incumbent coordinates the efforts of project teams made up of key department personnel whose responsibility it is to evaluate existing designs and proposed engineering changes to existing designs to achieve high reliability, maintainability and economical production of guidance and control sections. Incumbent maintains a close liaison with contractors, NAVAIR and other military facilities. Job Relevant Criteria: Background in electronic design, production support and environmental/reliability testing; knowledge of servomechanics, fuzing, accelerometers and ordnance; ability to elicit cooperation from others in support of plans and proposals and to use tact and diplomacy in dealing with contractors and other off-center personnel. Previous applicants will be considered without reapplying.

**Mechanical Engineer, GS-830-8/11, PD No. 7434194, Code 3442** — Applications solicited from other than NWC employees. This position is located in the Engineering Support Branch, Fleet Engineering Division, Engineering Department. This branch provides technical engineering support for weapon systems, major weapon subsystems, components and containers. Incumbent designs weapon components, directs the construction and testing of prototype models, reviews test results and makes necessary changes to the original design to eliminate problem areas, and reviews design packages to discover deficiencies which would cause, or which have already caused, problems in production and/or fleet use. Job Relevant Criteria: Progressively responsible experience dealing with propulsion, air-to-air missile wings and airframe and the procurement and fleet support of these items; working level knowledge of the Naval Air Systems Command and its support activities; ability to deal effectively with contractors, contracting officers and other personnel at the systems command level.

File applications for the above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2925.

**Housing Project Assistant, GS-1173-7, PD No. 7424037, Code 2651** — This position is located in the Facilities Management and Planning Branch. Duties include field management, inspection, administration of maintenance, upkeep and repair reports and projects, maintenance of the facility history records, etc. Job Relevant Criteria: Ability to deal effectively with people; knowledge of

(Continued on Page 4)



TOP BUYER HONORED — Capt. F. E. McDonald, NWC Director of Supply, congratulates Muriel Dodge, an employee of Code 2522, for her recent selection as the department's "Buyer of the Month." Mrs. Dodge, who worked at the Naval Weapons Center Corona prior to coming to China Lake in 1970, was selected for the honor because of her initiation of a systematic procedure for equipment repair services and the cost savings from economics thus introduced. The award program was established to promote increased awareness of procurement professionalism and to recognize the individual who has demonstrated the greatest growth and service during a one-month period.

## DIVINE SERVICES

**PROTESTANT**  
Sunday Worship Service 1015  
Sunday School — All Ages 0900  
Wednesday Noon Bible Study 1130  
Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion Service first Sunday of the Month.

**ROMAN CATHOLIC MASS**  
Saturday 1700 fulfills Sunday obligation  
Sunday 0700 0830 1130

**BLESSED SACRAMENT CHAPEL MASS**  
Daily except Saturday 1135

**CONFESSIONS**  
Daily 1115 to 1130  
Saturday 1615 to 1645  
Sunday 0800 to 0825

**RELIGIOUS EDUCATION CLASSES**  
Sunday Preschool thru 6th grades 1015  
Wednesday Kindergarten thru sixth 1530  
Sunday Seventh & eighth (Junior High) 1900

Above classes are held in Chapel Annexes across from Center Restaurant. As announced Ninth thru 12th grades "In Home" Discussion Groups Monthly Youth Rallies Contact Chaplain's Office for specifics.

**JEWISH SERVICES**  
EAST WING — ALL FAITH CHAPEL  
Sabbath Services every Friday 1930  
**UNITARIANS CHAPEL ANNEX 95**  
Sunday Services — (Sept.-May) 1930

## Dry spring means only fair prospects this pheasant season

With production down in most areas following the second driest spring on record in California's great Central Valley, prospects for hunter success during the statewide pheasant season are rated only fair. Shooting hours statewide are 8 a.m. to sunset. The season will continue through Dec. 5.

The Department of Fish and Game, assessing conditions for the state's 200,000-plus pheasant hunters, also forecast that there would be a smaller area in which to hunt this year than normally.

Dry weather, the DFG said, has accelerated the rice harvest and given growers the chance to burn and plow up the stubble in the fields. With less cover, there will be fewer areas to hunt.

According to the DFG, pheasant production was equal to or slightly higher than last year's in the Sacramento Valley and down significantly in the Sacramento-San Joaquin delta and the western San Joaquin Valley.

### Special Rule Applies

Roosters only are allowed in the bag in northern and central California. Limits there are two male pheasants per day on opening weekend, four per day for the balance of the season with four in possession on and after the second day of the season.

In the balance of the state, birds of either sex may be taken, also with a daily bag limit of two, but the possession limit, which was four after the first weekend last year, has been reduced to two daily for the entire season.

The new rule, which was adopted by the Fish and Game Commission last summer, is designed to prevent hunters from taking more than two birds daily in areas where the DFG plants pheasants and to better distribute available birds.

## Deadline nears for Fed 'I Women's Week award nominations

Women employees of the Naval Weapons center are reminded again this week that next Wednesday, Dec. 1, is the deadline for receiving their nominations for a Supervisor's Award that is to be presented during Federal Women's Week, Dec. 6 through 10.

The employee making the nomination need no longer be in the same organization as the nominee, but must have worked there for at least three months in the past.

The supervisor must have encouraged the employee to participate in self-development programs, such as taking classes, or must have provided the opportunity to attain new levels of job responsibility even if it meant subordinating personal interests to permit the employee to achieve her full career potential.

Nominations may be made by calling the Equal Employment Opportunity office at NWC, Ext. 2348 or 2738.

### Enlisted Club dances set

The popular rock group Mantra, from Pomona, will perform at Enlisted Club dances tonight and tomorrow night from 9 until 2 a.m.

Seafood plate will be tonight's dinner special, while that for tomorrow night will be prime rib. Both will be served from 6 until 8:30.

Brunch will not be served this Sunday, but this service will be resumed the following Sunday, Dec. 5.

### Premier League. . .

(Continued from Page 6)

Larrier (615), and Ernie Lanterman (606). In the high individual game category, Lanterman was the pace setter with 247. Others with scores over 200 were: Jack Herbstreit (236), Ray Freascher (228 and 212), Williams (226 and 216), Smith (222 and 203), Jack Brown (222 and 214), and Jim Dillon (219).

## Employee in the spotlight



Tony San Miguel

"I don't like to be categorized — pigeonholed. When I do research on anti-misting fuels, people think I'm an anti-misting expert, period. Just because you do one job well doesn't mean you can do only one thing well . . ."

Unsurprisingly, the person who spoke these words is a man who has done quite a few jobs well, Tony San Miguel, an "interdisciplinary type" mechanical engineer with the Systems Development Department's Fire Program Office.

Five of his accomplishments which Tony considers most gratifying provide a representative sample of the type of work he has performed throughout his career. During the early 1960s, he helped develop the Surveyor retro-rocket motor ("Something I had my finger in actually went out into space"). Shortly afterwards, he invented a stress gauge for rocket motor testing which, embedded in dogs' hearts, is now being used at Cedars of Lebanon Hospital in Los Angeles for medical research.

### Other Accomplishments

In 1972 Tony redesigned a rocket motor to prevent "cook offs" — unintended ignition and explosion — of rockets and other ordnance on the decks of aircraft carriers. Two years ago, he was principal engineer for the A-4 burn test which used instrumented animals and other transducers to measure smoke, toxicity, temperature, light, strain, acceleration and pressure during an aircraft fire. Most recently, he successfully conducted tests for the Federal Aviation Administration on an additive which does not allow aircraft fuel to burn during a crash.

While engaged in these and other projects, Tony has accumulated approximately 12 patent awards and published 70 technical reports and open literature papers. He has also found time for part-time teaching and active involvement in numerous professional societies. One of the latter, the Institute for the Advancement of Engineering, bestowed on him its "outstanding engineer merit

award" last February. "I float in specialties," says Tony, "because it's the nature of the research and development business. I look around and try to create my own work by identifying problems and talking someone into funding work on them. When a problem is solved, or I find that it has no immediate solution, I drop it and go on to the next project."

Tony's special interest is "irreversible thermodynamics," which he describes as "a philosophy for explaining real life behavior of materials and processes. Engineers normally deal in general terms — equations which are in fact simplifications of how things work — but that's not the way I look at things. I'm more realistic. What's the good of using an equation that's not consistent with the real world? You usually get the wrong answer."

Tony grew up in Los Angeles and at UCLA studied engineering, the field which promised him "the highest paying four-year degree." He received his B.S. there in 1957. He had married his wife, Carole, in 1955 and

worked his way through school by holding jobs as a draftsman and template maker for North American Aviation in Downey and El Segundo. (Tony was later to earn two other degrees at UCLA, an M.S. in engineering in 1961 and an M.B.A. in 1965.)

After graduation, he worked for two years at Douglas Aircraft Co. in Santa Monica, and, from 1959-65, for the Jet Propulsion Laboratory, Pasadena. In 1965 Tony moved to SDS Data Systems in Pomona, where he was manager of mechanical development in the Aerospace Systems Division, "a seven-day per week, executive type job." When his four-year-old son died of leukemia in 1967, "I sort of backed off and decided there were other things in life — namely, more time with the family and doing things on the outside."

It was that year that Tony accepted a position with the Naval Weapons Center's Corona Laboratory, where he served as a general engineer in the Missile Systems Department. He transferred to the Research Department at China Lake in 1968, and has been a member of the Systems Development Department since 1975.

### Enjoys Career Mobility

Tony — a national expert in solid propellant technology — feels "fortunate in being able to move around and do a lot of different things throughout my career."

Tony and Carole, and their children, Lisa, 13, Tanya, 9 and Tony III, 8, have done a good deal of traveling together, to Europe and along the entire periphery of the U.S. A military history buff ("my hero is Cortez"), he paid particular attention to old forts along the way. At home, where he's got a jeep and two motorcycles, he and young Tony "just disappear on the weekends."

Tony's plans for the future are varied. In his career, he plans to continue "pretty much what I'm doing now — I'm a job shopper." In his private life, he's interested in writing the words for an "easy listening" tune which a friend of his has created, and he doesn't exclude an entry into politics "before I check out of the world." He also expects to "finish it all off" by teaching "in order to pass on my philosophy to younger people. I've got a lot of things to say that I haven't had time to sit down and write about."

## Navy Wives Club prepares for two holiday attractions

Members of Desert Flower Chapter No. 125 of the Navy Wives Club of America are busy with preparations for two holiday season events.

One committee is preparing decorations for the Naval Air Facility Christmas dinner-dance that is to be held on Dec. 18, while another is working on the Navy Wives Club's own Yuletide fete that is planned on Dec. 4 for members and their husbands.

On behalf of the organization, Linda Fleeher, president, expressed appreciation to all those who took part in the operation or patronized the Navy Wives Club booth at the WACOM Holiday Bazaar.

Nearly \$500 was brought in by this and one other fund-raising activity conducted by the Navy Wives Club. This money is earmarked for various charitable purposes, including the providing of a Christmas basket to a needy military family.

Membership in the Navy Wives Club is open to the wives of all active duty or retired Navy, Marine Corps and Coast Guard enlisted personnel. Those interested in joining the local group are invited to the next business meeting, which will be held on the evening of Jan. 13 at the Navy Wives Club hut, 415 McIntire St., China Lake.

Additional information can be obtained from Mrs. Fleeher by calling 446-4233, or contacting Jan Quinn at 446-4614.

### Insurance rep. due Tues.

Loni Kivett, the Aetna Insurance representative, will be at the Community Center next Tuesday, from 10:30 a.m. to noon.



GLASS COLLECTION PIT CLEANED OUT — The first load of glass from the community glass recycling pit located off S. Richmond Rd. at Santee St. was hauled away last week by a truck sent here by the Citro Glass Co. of Madera. A skip loader operated by Don Godett, a Public Works Department heavy equipment operator, was used to handle the loading job. Between 24 and 25 tons of glass were removed, and the money for it (approximately \$350) will be used help repay the Employee Services Board loan which covered materials that went into construction of the pit by Seabees from the Self-Help Project Office. Eventually, as the glass recycling operation becomes a profit-maker the money will be used for support of such things as the community-owned television booster station. According to Jim Faith and Jud Smith, who are running the recycling center for the China Lake Community Council, more than 20 tons of newspaper has been collected and is ready for sale. In addition, aluminum cans also are being collected for recycling. —Photo by Ron Allen

## The Rocketeer

Official Weekly Publication  
Naval Weapons Center  
China Lake, California

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**DEADLINES**  
News Stories Tuesday, 4:30 p.m.  
Photographs Tuesday, 11:30 a.m.  
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Phones 3354, 3355, 2347

## Action under way in 1976-77 Intramural Basketball League

By Doug Nelson

Nine games were played in the first week of action among teams competing in the three divisions of the China Lake Intramural Basketball League, whose season began Nov. 16 at the Center gymnasium.

The first contest of the night was a B Division affair between the Gamecocks and the Space Mud hoopsters. Space Mud showed its strength by easily coming out on top, 56-18. Al Sorenson was high scorer for the winners with 12 points.

In the second game, the Outcasts took an early lead over the Gasbags which they never relinquished and wound up beating their C Division opponents by a score of 38-24. The Outcasts' Dick Rivers took scoring honors with 14 points.

An especially exciting contest that night saw A Division contenders NWC and Loewen's No. 1 battle down to the wire. The final score was 49-47 in favor of the Centerites. Neither team ever held more than a 7-point lead, and Loewen's, the defending division champs, missed a last second shot that would have tied the game. Scoring honors went to Gary Ziegler, who netted 15 points for the losers, while Kelvin McSwain had 11 for the winners.

### Wednesday Night Action

In action Wednesday night, Nov. 17, Homestead defeated the Muthas, 42-35, in a B Division battle which was close until the last two minutes, when the Homestead cagers increased their lead to 7 points, the game's final margin. The winners' Mike Tosti was the high point man with 10.

The Air Test and Evaluation Squadron Five Wasps were stung, 42-25, by the No Names in the evening's second contest, this one in the C Division. Bobby Francis of the No Names was the game's leading scorer with 12 points.

The final game that night was an exciting battle in which F.A.C. No. 1 defeated Desert Motors, 58-50. High scorer for the winners in this A Division match was Butch Reed with 15 points.

In action on Thursday night, Nov. 18, the Net Knockers slowed down the Speedsters, 59-10, in a B Division contest. Dave Crandell was leading scorer for the winners with 18 points.

C Division competition saw the Royals defeat the Lobos, 41-27, as Harry Gordon led the winners with 10 points.

The first week of league play closed with an A Division contest in which the Naval Air Facility downed Kern River (formerly Bird Olds), 52-37. Darrell Moline of NAF took scoring honors that night with 14 points.

Intramural Basketball League play will continue at the Center gymnasium through January on Tuesday, Wednesday and Thursday nights at 6, 7:15 and 8:30.

## Raytheon Sidewinders maintain 3-game lead in Premier League play

The Raytheon Sidewinders held onto their three-game lead in the Premier League in Monday night's action at Hall Memorial Lanes.

Even though the Sidewinders dropped one of three games to the fourth place Pollock Construction keglers, the surging Hideaway squad moved up on the second place Saddleback Sales team by outscoring them in two of their three games.

This leaves the Hideaway bowlers just one game out of second place with 23 wins and 10 losses, compared to the 24-10 record for the Saddleback Sales team, while the Raytheon Sidewinders have won 27 games and lost 6.

High team game on Monday night (1,048) was rolled by the Saddleback Sales keglers, while the league's seventh place Hi-Desert team posted the high team series score of 2,835.

Highest individual series for the night was Ron Williams' 642. Others over the 600 series mark were Allen Smith (625), Art

(Continued on Page 7)



**TOUCHDOWN RUN NULLIFIED** — A clipping penalty called on this 70-yd. kickoff return by Joey Adams (No. 26) nullified a first period tally for the Giants, who later fought back to score again and added on the 2-pt. conversion to win, 8-6, over their opponents from Trona. Adams is shown above cutting away from Nos. 21 and 70, two Trona players, while visible just behind him is Adam Smith, a tackle for the Giants who is trying to gain ground and run interference for the ball carrier.

## Giants defeat Trona 8-6, win crown in Tri-Valley Youth Football League

In a hard-fought contest played last Saturday afternoon at the Burrroughs High School football field, the Giants eked out an 8-6 victory over Trona to win undisputed claim to the championship of the Tri-Valley Youth Football League's senior division.

The visitors from Searles Valley, whose only previous loss this season had been to the Giants by a score of 22-14, drew first blood in the game played last weekend by scoring in the opening period on a 40-yd. pass play. The extra point try was no good and the score stood at 6-0 in favor of Trona as the two teams lined up for the ensuing kickoff.

Joey Adams, the Giants' safety man and kickoff and punt returner, ran the ball all the way back for a touchdown, only to have the tally nullified by a clipping penalty.

### Defensive Battle

In what turned out to be a strictly defensive battle, neither team was able to score again until the third quarter when the Giants clicked on a pass from Randy Etoch, quarterback, to Gary Thatcher, an end, on a play that was good for a gain of nearly 35 yds.

After that, with the ball on the Trona 2-yd. line, Etoch tallied on a quarterback sneak, and the 2 pt. conversion that was scored on a sweep by Adams turned out to be the difference in the 8-6 final score.

Singled out by the Giants' coaches for their outstanding play both on offense and defense in the Trona game were Dave Windward, Randy Etoch, Joey Adams, Tim Farris, Gary Thatcher and Mike Stenger. Other defensive stalwarts were Dallas Smallwood and Kris McClean.

By their narrow victory over Trona in the final game of the season, the Giants finished with a record of 10 straight wins and are

## State's split dove hunting season to run through Dec. 5

The second half of California's 46-day split dove hunting season will open on Saturday, the Department of Fish and Game reminded hunters earlier this week. The season will continue through Sunday, Dec. 5, statewide.

Mourning doves may be taken throughout the state, but white-winged doves may be taken only in Imperial, Riverside and San Bernardino Counties.

Daily bag and possession limits are 10 birds, with 20 allowed in the bag after opening day. The bag and possession limits apply to the aggregate of species where white-wings are allowed. Shooting hours are one-half hour before sunrise to sunset.

The DFG also reminded hunters that there is no open season on Mexican ground doves in California.

The first half of the season opened Sept. 1 and ran through Sept. 30.



### Wilt's Corner

## Experimental fee to go into effect at bowling alley Mon.

An experimental fee of three games for \$1 will go into effect at Hall Memorial Lanes on Monday, according to Dean Ray, manager of the facility.

The special fee will be effective between the hours of 1 and 5 p.m., Monday through Thursday, and red pin bowling will continue to be offered each Friday.

### College Basketball

Cerro Coso Community College will open its home basketball season at 7:30 tonight at the NWC gymnasium against Christian Heritage College.

As a result of this game, the gymnasium will be closed to the public at 6:30 p.m. Persons wishing to use the indoor pool, weight room and locker rooms may do so by checking with the ticket taker at the door.

### Youth Basketball

Registration for Youth Basketball, now being conducted at the China Lake Youth Center, will end Tuesday.

Further information about participation in any of the five leagues that are divided by age or grade groups may be obtained by phoning Carol Hape on weekdays at NWC ext. 2909 between 2:30 and 4:30 p.m.

## Cosmos, Sounders tied for first place in National Division of Youth Soccer League

Going into the final third of the NWC Youth Soccer League season, the Cosmos and the Sounders are tied for the top spot in the National Division with 8 points apiece as a result of recent action at Davidove Field.

In the first game last Saturday morning, the Cosmos defeated the Atoms, 3-1. The only score of the first half came as Mark Flores broke through the Atom defenders to tally while the Atoms called for the referee to rule offsides.

After the intermission, Flores deflected a corner kick into the net to give his Cosmos a 2-0 lead, and Mike Glade scored after a nice center by Rich Moreno to provide some insurance.

Late in the match, Steve Fry scored the single goal for the Atoms to spoil the shutout bid by Cosmos' goalie Danny Grattan. Earlier, a shot by John Baldacci of the Atoms had hit the goalpost, and Scott Chandler missed the opportunity to knock in the rebound.

In the American Division, the Apollos



**DEFENSIVE ACTION** — Paul Wydra (at right), Atoms' fullback, clears the ball away from his own goal in a Youth Soccer League contest against the Cosmos last Saturday morning at Davidove Field. Coming to join the action are (l.-r.) halfback Tito Mariano of the Atoms; Mike Glade, Atoms' forward; Rich Moreno (No. 13), Cosmos' forward; Jim Truesdale, fullback for the Atoms; and Billy Cagley (No. 15), Atoms' halfback. The Cosmos won this National Division contest, 3-1.



**CLOSE LOOK TAKEN AT DRILLING CORE** — Dr. Peter Waterman (kneeling) looks over a section of the wire-line drilling core, noting the alterations that have taken place in it after being exposed to steam and hot water in the superheated hot dry rocks underground at the Coso geothermal area. Others in photo are (from left) Walter Adams, Dr. Carl Austin and Peter Ritzcovan.

## Drilling site examined...

(Continued from Page 1)

The Coso Geothermal Project is sponsored by the Energy Research and Development Administration (ERDA) with funding provided to the Battelle Memorial Institute's Pacific Northwest Laboratories (PNL) in Richland, Wash., as the prime contractor. PNL has subcontracts with various contractors and vendors in the drilling industry. The U.S. Geological Survey (USGS) also is supporting this work through internal funding for geology, geophysics and geochemistry studies.

The Naval Weapons Center has received funds from ERDA for providing logistic and technical advice and environmental

as determining whether or not the Coso area constitutes a hot, dry rock geothermal resource.

For its part, the USGS is involved in a detailed geological investigation of a ring fracture which outlines an area of recent shallow intrusion, and appears to have an excellent potential for producing geothermal energy.

The Navy's interest in this program stems from the desire for determining the potential of the Coso geothermal area and if possible ultimately achieving energy self-sufficiency at China Lake by tapping that source of energy.

### Long-Range Plans

Long-range plans call for definition of the Coso geothermal deposit by means of geologic and geophysical studies, as well as deep drilling. The Battelle Memorial Institute's Pacific Northwest Laboratories contract calls for drilling six holes to 4,000 ft. depths and two larger holes to a point 10,000 ft. below the surface.

Overall manager of this project for the Battelle Memorial Institute is Dr. William McSpaddin and the local site manager is Chuck Conrad. The top USGS man is Dr. Wendle Duffield, from Menlo Park, Calif.

Geophysical support also is being provided (in part) by the University of Texas at Dallas under the direction of Dr. James Combs.



**DRILL SAMPLE STUDIED** — Dr. Peter Waterman examines a sample of hydrothermally altered drill core that is being shown to him by Dr. Carl Austin. Steam and hot water have penetrated through fractures in underground rock to create new chemical compounds from the original host rock.

analysis under the direction of Dr. Austin, who is head of the Petrodynamics Branch in the Research Department's Detonation Physics Division.

The project has two primary objectives. The first is to investigate the potential geothermal resource at Coso Hot Springs as part of a national resource assessment program which seeks to determine the amount of economically useful energy in hot dry rock in the upper crust of the earth and to carry out research necessary to develop this resource.

The second objective is to assess the applicability of small, mining-type lightweight slim-hole drills in a geothermal environment. Because of the decreased cost and fewer environmental problems compared to the use of conventional oil well-type drilling equipment, ERDA is interested in proving the value of the slim-hole concept of geothermal drilling, as well

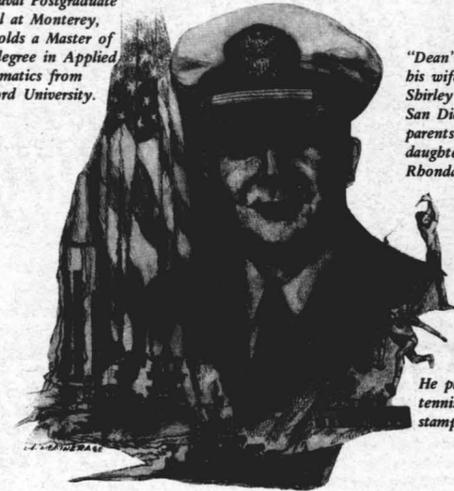


**MARKET TO BE RELOCATED** — A ground-breaking ceremony, prior to the start of construction on the new Fazio's supermarket in Ridgecrest, was held last Friday morning. Among the participants were (l.-r.) Jack Koehne and Gordon Genge, manager and owner, respectively, of the Sierra Vista Shopping Center; Rear Admiral R. G. Freeman III, NWC Commander; Alex Robertson, president of the Alex Robertson Construction Co., the contractor, and Ted Edwards, Mayor of Ridgecrest. A number of city and Chamber of Commerce representatives from Ridgecrest also were present for the occasion. The new market, which is expected to be completed by next June, will replace the Fazio's Market that is now located in Bennington Plaza on the Naval Weapons Center. The new building, which will have 37,400 sq. ft. of shopping and storage space, will carry out the design features of existing commercial facilities in the shopping center on No. Norma St.

Richard Dean Franke, born May 31, 1928, in Ft. Wayne, Indiana, is a 1951 graduate of the Naval Academy at Annapolis. He attended St. Joseph's College at Collegeville, Indiana, the Naval Postgraduate School at Monterey, and holds a Master of Arts degree in Applied Mathematics from Stanford University.

## Capt. R.D. Franke

On November 26, 1976, Captain R. D. Franke becomes Deputy Fleet Maintenance Officer on the staff of the Commander in Chief of the Atlantic Fleet.



"Dean" Franke and his wife, the former Shirley Thompson of San Diego, are the parents of a son and daughter, Ronald and Rbonda Lee Franke.

He plays golf and tennis and collects stamps.

"Dean" Franke's Navy career prior to becoming the Deputy Commander, Naval Weapons Center, included assignments as navigator and ASW officer on the USS Bradford and as the Evaluation and Integration Manager on the AEGIS Project at the Naval Ordnance Systems Command in Washington. His work in the missile field ranges from involvement in early Polaris firings to work with the Surface Missile Project Office in the Naval Ordnance Systems Command.

## Capt. Franke leaves NWC...

(Continued from Page 1)

Ens. Franke put in a two-year hitch aboard the Destroyer USS Bradford. This tour of sea duty was followed in mid-1953 by a year of schooling in electronic maintenance at the Naval Training Center in Great Lakes, Ill., and, after leaving Great Lakes he began a series of assignments aboard guided missile ships.

For two years, Capt. Franke served as fire control officer and missile officer on the USS Norton Sound, and then spent a year with the Navy's Bureau of Weapons' Special Project Office as head of the Polaris Missile Fueling Servicing Station.

The practical experience that he gained led to nearly three years of additional schooling — first at the Navy Postgraduate School in Monterey, Calif., and then at Stanford University, where he received a Master of Science degree in applied

mathematics in May 1960.

From May 1960 to January 1967, duty on board three other guided missile craft once again took Capt. Franke to sea. During this time he served as gunnery officer on the guided-missile cruiser USS Oklahoma City, as executive officer of the USS Mahan, a guided-missile frigate, and then as weapons officer aboard another guided-missile cruiser, the USS Columbus.

### Served at Port Hueneme

For the four years preceding his most recent assignment in Washington, D.C., Capt. Franke was at Port Hueneme where he served initially as head of the Technical Data Department and then headed the Tartar Missile Systems Department for the Naval Ship Weapon Systems Engineering Station.

The departing NWC Deputy Commander and his wife, Shirley, were the guests of honor at a farewell party held this past Monday night at the Commissioned Officers' Mess. They are the parents of two children — a son, Ronald, who is 21, and a daughter, Ronda Lee, who is 17.

Outdoor activities enjoyed by Capt. Franke are tennis and golf. He also includes stamp collecting among his hobbies.

## Final tally in '77 CFC hits \$106,000, treasurers reports

The final amount collected through payroll deductions, checks and cash contributions for the 1977 Combined Federal Campaign totaled \$106,000, according to co-treasurers Don Bridges and Bill Shaner.

"In this time of tightening budgets and inflation, we're happy that this amount was collected," said co-chairmen Eva Bien and Eleanor Johnsen. "Thanks to the generosity of federal employees in this area, all of the agencies that are recipients of CFC monies will be able to continue their programs of 'People Helping People.'"

Special appreciation was also expressed to the solicitors and to all those who worked to make the CFC a success.



**FAREWELL PARTY HELD FOR CAPT. FRANKE** — The NWC Deputy Commander, Capt. R. D. Franke, and his wife, Shirley, were guests of honor at a farewell party held Monday night at the Commissioned Officers' Mess. Sandwiched in between a social hour and dinner was the presentation of a number of mementos to Capt. and Mrs. Franke. The above photos of several of the presentations show (at top left) Capt. Franke about to receive an NWC plaque from Rear Admiral R. G. Freeman III, NWC Commander. As the camera shutter clicked for the photo at top right, Mrs. Freeman had just presented a Dust Devilette certificate to Mrs. Franke, who is examining it while her husband looks on at left. In the three lower photos (l.-r.) C. E. Van Hagan, head of the Technical Information Department, displays an artist's drawing of Capt. Franke which he then presented to the Deputy Commander; W. E. Davis, head of the Safety and Security Department, reads the message on a special parking pass issued to the guest of honor; and W. R. Hattabugh, acting head of the Test and Evaluation Directorate, is presenting a T&E Department plaque to Capt. Franke.

## Happenings around NWC

A workshop using the techniques and methods of assertion training to teach its participants communication skills that are required for effective performance feedback will be held on Dec. 16 and 17 in the Unitarian Annex, Bldg. 95, near the Training Center.

Key topics to be covered during the workshop will include relaxation skills, giving effective performance feedback, active listening, and contracting and negotiating in performance review.

This course is designed for supervisory personnel at all levels. Those interested in attending must submit an enrollment form via proper department channels in time for it to reach Code 094 no later than Dec. 8.

### Health Insurance Pamphlet

Blue Cross-Blue Shield has put out a pamphlet comparing its health insurance plan with others. Written in easy to understand language, a copy of this pamphlet can be obtained in Rm. 116 of the Personnel Building.

Employees in this office, the Employee Management Relations Division, are available to answer questions regarding the Federal Employees' Health Benefits Program.

### Fence Lumber Available

On weekdays from now through Dec. 15, permits for China Lake residents to obtain used fence lumber will be issued by the NWC Housing Office.

This wood, which is to be used to repair other fences in the residential area on Center, is available from the motel units located at 109 Blandy Ave. and 110 Nimitz Rd.

### Metal Trades Council

The Indian Wells Valley Metal Trades Council will hold its next monthly meeting on Thursday, Dec. 2, starting at 7:30 p.m. at 65-B Halsey Ave.

The Council is the representative of a unit composed of the Center's non-supervisory, ungraded, civilian employees of the Naval Weapons Center.

### Ceremony at NAF...

(Continued from Page 1)  
nance, AOD Unit No. 1 moved to the Inyokern airport.

On May 10, 1944, Harvey Field became the headquarters of the U.S. Naval Air Facility, Inyokern. The field was named in honor of the late LCDr. Warren W. Harvey for his contribution to the development of aviation ordnance and his share in the development of combat aircraft tactics.

Other early history of the Naval Air Facility included the move from Inyokern on May 15, 1945, to the Naval Air Facility at China Lake—then called Armitage Field in memory of Lt. John M. Armitage, USNR, who was killed during an air firing test of the 11.75 in. "Tiny Tim," the largest aircraft rocket ever developed in this country up until that time, and one which gave fighter aircraft heavier hitting power than a cruiser.

Two years later, in May 1947, Armitage Field was commissioned under the official title of the U.S. Naval Air Facility, Naval Ordnance Test Station, Inyokern—a move that made the Commanding Officer of NAF responsible to the Commanding Officer of NOTS, forerunner to the Naval Weapons Center.

The decision to disestablish the Naval Air Facility as a separate command at NWC has been brought about by a series of studies conducted over the past two years that are aimed at improving the Centerwide efficiency of operations.

### Opportunities...

(Continued from Page 2)  
housing maintenance principles and standards; ability to prepare comprehensive reports.

File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2032.

Editorial Assistant, GS-1087-4, 5, PD No. 7440006, Code 381—This position is located in the division office of the Physics Division, Research Department. From rough drafts, the incumbent edits and types various reports and publications; maintains files; prepares and submits budgetary information; and other clerical tasks. Job Relevant Criteria: Ability to type accurately and efficiently; knowledge of English grammar and composition and the ability to make constructive corrections and contributions to manuscripts; ability and initiative to work under a minimum of supervision. Must be able to work within time limitations and have knowledge of or familiarity with scientific terminology.

File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 1514.



**HONORED FOR SERVICE** — During a recent WACOM luncheon meeting, Rear Admiral R. G. Freeman III, NWC Commander, presented certificates to (l.-r.) Jean Hollingsworth, Janice Shawler and Lou Hillyer. Mrs. Hollingsworth and Mrs. Hillyer served as Thrift Shop chairman and co-chairman, respectively, from Jan. 1 to July 1, 1976. Mrs. Shawler was awarded a certificate for 20 hours of service at the Thrift Shop. Also at the luncheon meeting, announcement was made that the past year's proceeds from the WACOM-operated Thrift Shop, located at 54 S. Lauritsen Rd., have been divided between the Navy Relief Society and the Combined Federal Campaign. Each organization is to receive \$1,500. Hours of operation at the Thrift Shop are 7 to 9 p.m. on Tuesdays and 9 to 11 a.m. on Thursdays.

—Photo by Ron Allen

## Flag pageant, annual ball highlight Marines' 201st birthday



**DIGNITARIES ATTEND** — Guests of honor at this year's Marine Corps Birthday Ball, held last Saturday night at the Commissioned Officers' Mess, were Rear Admiral R. G. Freeman III, NWC Commander, and his wife, Dorothy. At right is Col. L. A. Madera, Marine Corps Liaison Officer at China Lake, who introduced RAdm. and Mrs. Freeman to the 218 guests in attendance.



**PART OF MARINE CORPS FAMILY** — Brigadier General W. Carvel Hall, USMC (Ret.), a Ridgecrest resident, was introduced by Col. Madera as a "distinguished member of our superb and very active retired family." Brig. Gen. Hall, who was honored at last week's traditional cake cutting ceremony at the COM — also a part of the local observance of the Marines' 201st birthday — is shown flanked by applauding guests and performers in the San Diego Marine Corps Recruit Depot's patriotic flag pageant.



**HERO HONORED** — Distinguished guests for the evening were Col. and Mrs. Mitchell Paige of Redwood City, Ca. Col. Paige, now retired, was awarded the Congressional Medal of Honor for "ourageous performance of duty during the American assault on Guadalcanal in World War II. Another Medal of Honor winner, 1st Sgt. Jimmie Howard, was unable to be present for the evening's festivities due to an accident.



**MASTER OF CEREMONIES** — The Naval Weapons Center's narrator during the gala event was Marine Corps Maj. Jim Hart of Air Test and Evaluation Squadron Five. Said Maj. Hart, "In every era—the birth of the nation, its expansion to the West, its emergence as a great power, its assumption of leadership in the world community and in its commitment to world peace—the spirit of the American people has been reflected in the U.S. Marine Corps."



**"FROM THE HALLS OF MONTEZUMA"** — In the year 1847, this flag of 29 stars was carried by American Marines as they stormed up the slopes of Chapultepec and through the gates of Mexico City during the Mexican War. This conflict determined that the Rio Grande River would be the southern boundary of the U.S. and brought Texas into the ever-growing union of states.



**HISTORIC FIRST** — A pageant participant in authentic period costume holds a copy of the Declaration of Independence as the Grand Union Flag, the first national banner of the 13 colonies, was unfurled during the show. The Continental Congress adopted this flag in January, 1776.



**THE OLD AND THE NEW** — Poised against a backdrop of Marines in historic costumes is this Leatherneck in modern battle dress, preserver of the Corps' proud heritage—and his nation's freedom.



### Photos by PH3 B.J. Beckman

**WELCOMING REMARKS** — Col. L.A. Madera, head of the Marine Corps Liaison Office at China Lake, welcomed guests that evening by saying, "We are indeed pleased all of you could join us in commemorating the beginning of our third century of service to our great country." He also introduced the honored and distinguished guests at the ball. At right is Sgt. R.H. Tollison, narrator of the San Diego Marine Corps Recruit Depot's famous patriotic flag pageant. The pageant, accompanied by a concert by the First Marine Division's Drum and Bugle Corps, was also presented before a large and appreciative audience Saturday morning at the Center theater. Pictured in the background are (at left) Maj. Jim Hart and Gy / Sgt. Paul Proctor.



## Joe Lopez fills EEO Spanish-Speaking Program post

A recent addition to the full-time staff of NWC's Equal Employment Opportunity Office, Joe Lopez, Jr., is now the Center's full-time Spanish-Speaking Program Coordinator.

Lopez, formerly an employee of the Weapons Department's Mine Warfare Branch and an electronics technician for the past 20 years, has been working as the part-time Spanish-Speaking Program Coordinator for the past 2½ years.

"Several years ago," Lopez said, "I became interested in the purpose and goals of EEO and began taking courses in that area. Later my EEO interest was broadened with the inclusion of a Spanish-Speaking Program within the already existing EEO Program to assist Hispanics

and machine design drafting. In 1956, he was accepted into an apprentice program as an aircraft instrument systems mechanic at Norton Air Force Base in San Bernardino. A year later, he took an electrician apprentice job for aircraft electrical systems in order to take advantage of Norton's increased need in that skill area.

As an apprentice, Lopez had the opportunity to work on many aircraft systems in a variety of specialty areas. By the time he graduated from the program in 1960, Lopez had worked on C47, C54, C124, C133, F100, F102, RB58, and KC130 aircraft.

After several months with the Pacific Aeromotive Corp. as an aircraft flightline instrument and electrical systems checkout mechanic, Lopez was drafted into the Army. He attended electronics school at Ft. Monmouth, N.J., and guided missile school at Redstone Arsenal, Huntsville, Ala., and completed his active duty at Ft. Bliss, Tex., where he worked on maintaining missile equipment for field training units.

Lopez left active duty in 1962, and completed his military obligation by participation in the California Air National Guard until 1964 and in the Air Force Standby Reserve until 1966.

### Worked at Corona Lab

After his release from the Army, Lopez accepted employment at the Naval Ordnance Laboratory in Corona as an electronics mechanic in the Fuze Department's electronic prototype shop. His job included prototype design, fabrication, and testing of fuze components and equipment.

In 1967, Lopez joined Corona's Missile Systems Department as an electronic instrument mechanic. In this job, he not only repaired and calibrated electronic test equipment but also assumed the technical responsibility for Corona's formal calibration program in coordination with other Navy calibration laboratories and the National Bureau of Standards.

Pursuing his college education in night school, Lopez received his AA degree in 1970 from San Bernardino Valley College.

In 1971, when Corona functions were consolidated at China Lake, Lopez came to NWC as an electronics technician in the Electronic Systems Department's Special Projects Branch. By 1974, after a series of



Joe Lopez, Jr.

in realizing EEO within the federal government."

In February 1974, he was asked by Bob Briley, then Deputy EEO Officer, to define and establish the Spanish-Speaking Program at NWC.

Lopez plans to expand the program to encompass more training opportunities and more activities making the employee aware of America's rich Hispanic heritage. A newly established Spanish-Speaking Program Committee will assist him in achieving these plans.

A native of Redlands, Calif., Lopez was graduated from Redlands High School in 1955 with a vocational major in mechanics