

Organ concert set this Sunday evening at All Faith Chapel

David Christensen, organist at the Redlands United Methodist Church, will present an organ concert on Sunday at 7 p.m. at the NWC All-Faith Chapel.

The concert, which is sponsored by the Protestant Congregation of the All-Faith Chapel, is open to the public free of charge. Special event passes have been requested and will be available at both gates.

Christensen has presented recitals for chapters of the American Guild of Organists and for the Far Western Regional Convention of the American Guild of Organists, which was held in Riverside last summer. He also toured Europe with the San Bernardino Valley College Chamber Choir.

While a student at the University of Redlands, Christensen served as organist for the university choir and also taught organ classes.

'Boys in Band' to open 4-performance run at Cerro Coso

A four-performance run of the controversial play "Boys in the Band" opens tonight at 8:15 at the Cerro Coso Community College Lecture Hall. It will also be presented tomorrow and next Friday and Saturday, Nov. 18 and 19.

This powerful comedy drama deals with the life of eight New York male homosexuals. Because of the subject matter and the explicit language used, the play is recommended for mature audiences only. "The Boys in the Band," directed by drama instructor Florence Green, will be the Cerro Coso College entry in the American College Theatre Festival.

General admission tickets for all performances will be \$2, with student-body cardholders receiving a discount rate of \$1. Tickets may be purchased in advance at the Gift Mart, Sports Inc., Deboni's Ice Cream Parlor, and the Cerro Coso business office. They also will be on sale at the lecture center door on the nights of the performances.



PAGEANT WINNERS — The five winners of the two-day Miss Ridgecrest-China Lake Pageant last Friday and Saturday at the Center Theater were (l. to r.) Ava McClendon, Miss Congeniality, 4th runner-up; Cheryl Randle, 2nd runner-up; Laurie McAlpin, Miss Ridgecrest-China Lake; Cindy Harper, top talent award winner, 1st runner-up; and Karen Karner, 3rd runner-up. Miss McAlpin, at left, performed a jazz dance as her talent number. She was the winner of the judges' swim suit award on Friday night. Lori McCahan, 1977 Miss Ridgecrest-China Lake, crowned the pageant winner minutes after mistress of ceremonies Janet Jay Carr sang "Is It Really Me?" Miss McAlpin, who only eight days prior to winning the Miss Ridgecrest-China Lake Pageant, was crowned as the 1977 Homecoming queen at Burroughs High School, will represent the local area in the Miss California competition that will be held next June in Santa Clara.

Museum-sponsored lecture to feature talk about 'Ice Age Man in Far West'

"Ice Age Man in the Far West" is the topic of an intriguing and controversial thesis on the origins of man on this continent that will be presented at 7:30 p.m. on Wednesday, Nov. 16, at Las Flores School. John Alsoszapai-Petheo, new anthropology and archaeology instructor at Cerro Coso Community College, will present a film slide-illustrated talk under the sponsorship of the Maturango Museum. The program is free of charge.

Alsoszapai-Petheo received his M.A. in anthropology from Eastern New Mexico University in 1975. Born and raised in Santo Domingo, Dominican Republic, he came to this country about 12 years ago. Bilingual in his formative years, Alsoszapai-Petheo speaks fluent Spanish, Hungarian, and English, having picked up the last language since he reached the United States.

Next Wednesday evening's talk is based on the thesis the young anthropologist prepared for his master's degree. He first gave this talk in 1972, and has since had the satisfaction of seeing his theories seriously considered in the literature of anthropology.

The speaker intends to present hard evidence that man's presence on this continent predated the crossing from the Alaskan land bridge that is now generally considered to be the means by which man reached North and South America.

Site of Alsoszapai-Petheo's startling discoveries was Lake Manix, an extinct Pleistocene ice-age lake in southern

California. Evidence discovered independently by George Jefferson, assistant curator of vertebrate paleontology at Page Museum of the La Brea Tar Pits, lends added credence to these new discoveries. Alsoszapai-Petheo, who began teaching at Cerro Coso College this past September, is currently conducting classes on peoples of Africa, the North American native cultures, cultural anthropology, and physical anthropology.

In addition, he is attempting to arrange a one-week field trip as a college class during the upcoming Christmas break, Dec. 19-23. Plans call for visits to a variety of museums, laboratories, and archaeological sites in order to give the participants opportunities to talk with people actually working in the field.

Camp Fire Girls selling assortment of candies

The annual candy sale by local Camp Fire Girls is now under way and will continue until Nov. 28, according to Fred Strickler, a member of the Kern County Council board of directors of the organization.

The candy is priced at \$1.50 per box or can, and an assortment of candies will be sold to suit all tastes. Profits from the candy sales are used to support Camp Fire Girls' programs and projects.

Local Camp Fire Girls will be selling the candy from door-to-door in neighboring communities.

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

Regular starting time—7:30 p.m.

Program subject to change without notice
-For further information call NWC ext. 2259.

FRI. 11 NOVEMBER

"THE PINK TELEPHONE" (94 Min.)
Mireille Darc, Pierre Mondy,
Francoise Prevost

(Drama) Mondy, owner of a financially ailing factory, goes to Paris to finalize his plant's merger with an American Company. While there, he falls in love with call girl (Darc), whom the company officials have supplied as a matter of common practice to smooth any rough spots in the business transaction. Complications arise when Mondy's wife (Prevost) suspects that the business trips to Paris are a coverup for some hanky panky. (R)

SAT. 12 NOVEMBER

"STUNTS" (97 Min.)
Robert Forster, Fiona Lewis

(Action Drama) Stunt man Greg Wilson is killed making a movie scene. His brother Glenn arrives on the movie set convinced that his brother's death was not an accident. Two more stunt men are killed while making the same movie scene and Glenn and his girlfriend discover the murderer. (PG)

SUN. 13 NOVEMBER

"ROLLERCOASTER" (119 Min.)
George Segal, Richard Widmark,
Timothy Bottoms

(Suspense Drama) Bottoms, a psychotic expert in electronics and bombs, plants a bomb on the track of an Ocean View Amusement Park rollercoaster, then watches the explosion through binoculars. When a similar explosion occurs, Safety Inspector Segal sees a connection and forces his way into a meeting of concerned park owners, which has been bugged by Bottoms. Bottoms demands a million dollars from the park owners which is delivered in marked bills. This angers Bottoms and seeking revenge, he plants a bomb in a huge coaster during a grand opening at Magic Mountain. Suspense builds as Segal finds the bomb and Bottoms plants another while Segal and others pursue him and overtake his activator's wavelengths. Released 8 May 77. (PG) WED. 16 NOVEMBER

"FRATERNITY ROW" (105 Min.)
Gregory Harrison, Peter Fox

(Drama) Narrator Cliff Robertson reflects on his days as an idealistic young pledge-master at Summit College in Erie, Penn., in 1954. Fox, who welcomes new groups of pledges to the exclusive Gamma Nu Pi Fraternity, is befriended by pledge class president Harrison. Their friendship grows out of their similar ideals, but does not match those ideals of sadistic fraternity brother Scott Newman. Released 8 June, 1977. (PG) FRI. 18 NOVEMBER

"CHECKERED FLAG OR CRASH" (93 Min.)
Susan Sarandon, Larry Hagman,
Joe Don Baker

(Action Drama) Hagman, an American race promoter, is determined to organize the most spectacular off-road race ever staged. The course is set over 1,000 miles of unimaginably rough terrain in the Philippines. At stake is a \$100,000 purse. Tropical rains wash out the third leg of the course and a detour is mapped out. Racers respond enthusiastically when the race is detoured again, the purse doubled, and the race is continued. (PG) SAT. 19 NOVEMBER

"GRAND THEFT AUTO" (91 Min.)
Ron Howard, Nancy Morgan

(Action Comedy) After Morgan's wealthy father objects to her plans to marry Howard, they steal his Rolls Royce and head for a Las Vegas Wedding Chapel. The girl's father offers a reward of \$25,000 for his daughter's return, and the boy's mother does the same for the return of her son. News of the rewards sets off a wild chase with everyone (led on by visions of sudden wealth) speeding after the lovers. (PG) U.S. Government Printing Office: 1977 - No. 101

From: _____ PLACE STAMP HERE

To: _____

nwc rocketeer

Naval Weapons Center
China Lake
California

November 11, 1977

Vol. XXXII, No. 44

INSIDE...

- Marine Birthday Message.....2
- CFC Total Hits \$104,272.....3
- Holiday Bazaar Open Today.....4
- Open House set at Edwards AFB.....5
- Sports.....6
- Pageant Winner Crowned.....8



SCALE MODEL OF TEST FACILITY — Checking over the scale model of the Aircraft Survivability Program test site are the two men most responsible for its construction. They are Ernie Loscar (at left), and Jim Downard. The model and all of the various types of equipment and structures at the test site were built to a scale that is 1/72nd of the facility's actual size. For this photo, the model was arranged to duplicate the accompanying aerial view. —Photo by Ron Allen

Scale model of test facility valuable tool for Aircraft Survivability Program work

A new and valuable tool — a tabletop-size model of the actual test facility — is now available for use by personnel of the Systems Development Department's Survivability/Lethality Division who are conducting the Aircraft Survivability Program at the Naval Weapons Center.

Much has been written in the past about the Aircraft Survivability Program, which makes use of aircraft, aircraft components and component simulators to provide test beds that can be used in tests to determine the result of damage to the various critical systems, and to develop the means to make those systems more tolerant to damage.

The primary motivation for the Aircraft Survivability Program was the unexpectedly high rate of loss to small arms threats by U.S. aircraft in Southeast Asia during the Vietnam war. This program was initiated here in 1969 when NWC was selected as the lead laboratory to conduct long-range research and development work aimed at learning as much as possible about the vulnerability and survivability of Navy combat aircraft.

Tests have been conducted varying from

those using only parts of aircraft to those in which the entire aircraft is mounted on a tie-down stand that was fabricated from a 5-in. gun mount, redesigned to support a full-scale test aircraft. The test site utilized by the Aircraft Survivability Program is able to accommodate a 100,000 lb. fullscale captive aircraft at thrusts, including afterburner, up to 50,000 lb.

Realism Achieved in Tests
Realism is achieved in the tests by operating by remote control the aircraft's engines and other related subsystems, using the unique capability of directing high-velocity air over the aircraft impact areas of interest to simulate actual in-flight air flow as required.

Typical tests conducted at the facility utilize aircraft varying in size and complexity from the A-4 to the F-14. Ballistic testing is conducted to determine the effects of impacts by projectiles from .30 caliber ball ammunition to 40mm high explosive rounds, in addition to fragments representative of those produced by threat warheads. The survivability of the crew and aircraft in the presence of an aircraft carrier deck fire can be examined at the carrier deck simulator portion of the test facility, where large scale fuel fires can be produced under controlled conditions.

Advantage of Scale Model
In planning for future use of the Aircraft Survivability Range, it was determined that a scale model of the site would be extremely useful and cost effective in the planning stage of test work because it would enable engineers to determine in advance (before any aircraft, hardware or equipment was moved) if there was any likelihood that any of several pieces of equipment at the site would interfere with another during the actual test.

The location of photographic and color video cameras used to record test data instrumentation and control cables, and the fact that fire fighting equipment must have free access to the test site, are examples of the types of matters that must be taken into consideration beforehand, it was noted by Larry DeBolt, head of the Systems Development Department's Survivability/Lethality Facility Branch.

The scale model, which is 1/72nd of the actual size of the test area, was the work of
(Continued on Page 3)

Marines' 202nd birthday fete held yesterday

The 202nd anniversary of the founding of the U.S. Marine Corps was appropriately commemorated yesterday morning by the Naval Weapons Center's resident Marines.

As has become traditional on Nov. 10 at NWC, the Marines conducted the morning flag raising ceremony in front of the Administration Building. Appropriate remarks by Col. L. A. Madera, Marine Corps Liaison Officer at NWC, including reading of the birthday message from General Louis H. Wilson, Commandant of the Marine Corps, concluded the brief ceremony.

At midday, a luncheon at the Commissioned Officers' Mess was attended by many retired and former Marines of the China Lake-Ridgecrest community. Highlight of the luncheon was the traditional cake cutting ceremony.

An elaborately decorated birthday cake
(Continued on Page 2)

Closing date nears for bids on sale of Wherry homes

The closing date of Dec. 1 is fast approaching for acceptance by the General Service Administration (GSA) of sealed bids on the purchase of 600 homes in the Desert Park (Wherry housing) area of the Naval Weapons Center.

As a result of advertisements, such as the one that appeared last week in the Los Angeles Times newspaper, a half dozen individuals have been here to look at the property, and calls expressing possible interest have been received from an equal number. Ltjg. D. R. Bendix, acting head of the Public Works Department's Housing Division, reports.

The Wherry housing area is being shown by appointment only on Wednesdays from 9
(Continued on Page 3)



AERIAL VIEW OF TEST FACILITY — As this photo of the Aircraft Survivability Program test site was shot by Sam Wyatt, the horizontal, tower-like structure (called the Dash airflow facility) was being used to simulate airflow over the wings of an F-14 Tomcat aircraft during a test conducted to evaluate the aircraft's fire extinguishing system.

Parachute Test Range workload to be moved here

Plans were announced last Friday by the Department of Defense concerning disestablishment of the National Parachute Test Range (NPTR) at El Centro, Calif., and the transfer of its workload to the Naval Weapons Center.

It is expected to take approximately 18 months for relocation of the NPTR workload to China Lake and, at that time, NWC will assume that part of the NPTR mission which has to do with responsibility for parachute testing.

The National Parachute Test Range has a two-fold mission, namely, research, development, test and evaluation of aerodynamic decelerators and associated systems, and airfield and base support to train units of the Fleet air wing.

Although the NPTR workload will be relocated, the airfield at El Centro will not

be closed since it is used extensively by aircraft units of the U.S. Pacific Fleet, and the Navy will continue to operate at El Centro to support the Fleet.

While the Naval Weapons Center ultimately will be taking over the bulk of the parachute testing previously handled at El Centro, other Military Departments may continue to conduct such tests at other installations when they can be handled using existing resources.

Also in connection with the disestablishment of the National Parachute Test Range, the U.S. Air Force's 6511th Test Squadron (Parachute), which is located at El Centro, will be deactivated and its aerodynamic deceleration testing mission will be transferred to the Air Force Flight Test Center at Edwards Air Force Base.

Because of the decrease in parachute test

requirements (which reached a peak of activity during the Southeast Asia conflict), considerable savings by consolidation of the workload as outlined previously is now possible. This action will reduce total annual costs and manpower requirements by approximately \$3 million annually.

In addition, the transfer of NPTR equipment to new locations will make unnecessary support expenditures of \$3.7 million at NWC and \$1 million at Edwards Air Force Base. The one-time cost of this action is expected to total \$2.7 million.

Personelementwise, 37 military, 31 civilian and approximately 45 contractor employees will be affected by disestablishment of the National Parachute Test Range at El Centro and assumption by the Naval Weapons Center of the NPTR mission
(Continued on Page 5)



Marine Commandant sends message on Corps' birthday

Through succeeding generations since 1775, dedicated Marines have shaped the heritage of our modern Marine Corps. The story is well known. Marines at Trenton, Bladensburg, Chapultepec, Guantanamo, Belleau Wood, Iwo Jima, Inchon, and Khe Sahn — all Marines who have preceded us — have written the heritage of our Corps. It is a heritage of greatness that we live by today.

While that heritage points up our indebtedness to yesterday, it underscores our present obligation.

As we join again to celebrate the birthday anniversary of our Corps, it is well to consider that obligation. In fulfilling it, we must insist upon solid quality: in every Marine, in the life we lead, and in the air-ground team we form. Our training must be disciplined, thorough, and meaningful. Our readiness must be sound and on the mark. And every Marine must give unflinching dedication to both new, well-grounded standards, as well as to those formed during 202 years of experience and tradition. Those who have gone before expect no less. Nor must we today. Only a quality, ready Corps can take the hill and entrust it to those who follow. We are unalterably committed to that end, for efforts today, like yesterday, write the heritage for tomorrow.

Happy birthday and every good wish for the 203rd year that we begin today (Nov. 10) — with determination, pride and vision.

General Louis H. Wilson
Commandant
U.S. Marine Corps

Marines celebrate 202nd birthday . . .

(Continued from Page 1)
was wheeled into the Mojave Rm. of the COM to the stirring beat of "The Marine Corps Hymn." Then, to the strains of "Auld Lang Syne," Col. Madera cut the cake with a Marine officer's Mameluke sword. The first and second pieces of cake were presented to the oldest and youngest Marines present, symbolically cementing the fraternal ties between successive generations of Marines.

Upcoming events in connection with the Marine Corps birthday celebration include a program which is open to the public and will be held at 1 p.m. on Saturday, Nov. 19, in the Center theater. Following a musical prelude by the 1st Marine Division's drum and bugle corps, a historical flag pageant

will be presented by personnel from the Marine Corps Recruit Depot in San Diego.

Featured at this time will be 14 Marines attired in authentic uniforms depicting significant periods in this nation's history as they display the American flags that were flown when such uniforms were worn. An accompanying narration will describe events that influenced the design of each particular flag.

Festivities planned in connection with this year's 202nd anniversary of the founding of the U.S. Marine Corps will culminate on Saturday evening, Nov. 19, with a birthday ball that is to be held at the Commissioned Officers' Mess. Attendance at this affair, which will get under way at 6 p.m., is by invitation only.

NWC Employee Assistance Program urgently needs more volunteers

Volunteers willing to serve as contacts for the NWC Employee Assistance Program are urgently needed, according to Lynn A. Lacey, program advisor.

These volunteers will serve as go-betweens for those involved in alcohol or substance abuse and Navy and community resources. Eligible for assistance in the program are NWC employees and their family members.

A large number of volunteer contacts will ensure that any employee who seeks help will be able to find it readily, and that no volunteer will have to spend an excessive amount of time in connection with the program.

Those volunteering will receive from 8 to 12 hours of training by Lacey. This will probably be offered after hours to facilitate

participation by the volunteers who might not be able to take time during working hours. Arrangements are being made to provide job orders for time spent in talking with employees seeking assistance while the volunteer is at work.

Any volunteer who does not wish his name to be advertised as one of the contacts can make this request known when he or she signs up. Interested employees can contact Lacey by calling NWC ext. 2675.

According to Lacey, the involvement of motivated volunteers will increase the number of participants in the Employee Assistance Program since it is often easier for an employee with a problem to talk with someone he or she knows. It will also guarantee the likelihood of a continuing program, regardless of the role of the program advisor.


The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California
Rear Admiral William L. Harris
NWC Commander

R. M. Hillyer
Acting Technical Director

Dr. Robert H. Pearson
Head,
Technical Information Department

Don R. Yockey
Editor
Mickey Strang
Associate Editor (Acting)
Ron Allen
Staff Photographer



DEADLINES
Tuesday, 4:30 p.m.
Photographs Tuesday, 11:30 a.m.
The Rocketeer receives Armed 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 NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. Information in The Rocketeer is authorized for public release by the Office of the Commander, Code 003.
Phones 3354, 3355, 2247

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 092, Ext. 2049. 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 supervisor 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-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

During the time that the current Reduction in Force is in progress, selections will not be made from ads listed in this column until the impact of potential RIF placements can be determined.

Photographer (Motion Picture), GS-1060-10, PD No. 772042-1W, Code 2352 — This position is located in the Motion Picture Laboratory Branch, Photographic Division, Technical Information Department. The incumbent is a specialist in special-effects printing for motion pictures and is skilled in using a variety of specialized processing equipment (Oxberry special effects printer, Acme optical printer, animation camera, color-correction equipment, kinescope). The incumbent independently devises means to achieve special effects and acts as advisor to directors, producers, editors, engineers, and others during advance planning of projects on matters affecting the finished film. **Job Relevant Criteria:** Ability to operate equipment associated with motion picture special effects; knowledge of all phases of motion picture film processing; demonstrated ability to work efficiently with a minimum of supervision.

File applications for the above with Tina Rockdale, Bldg. 34, Rm. 206, Ph. 2674.

Clerk, GS-301-3 PD No. 7625040N, or Supply Clerk, GS-2005-4, PD No. 7025002, Code 2314 — This position is located in the Quality Assurance Branch, Planning and Administrative Division, Supply Department. Incumbent is responsible for physically counting stock items in inventory and identifying material that may have lost its identification. In addition, the incumbent is responsible for investigation and reconciliation of discrepancies between the inventory count and stock record balances. **Job Relevant Criteria:** Familiarity with warehousing and storekeeping procedures, reliability and dependability, ability to cooperate and communicate well with others. **Applications accepted from status eligibles also.**

Clerk-Typist, GS-223-1, PD No. 7125079N, Code 2322 — This is an intermittent position. This position is located in the Purchase Branch, Procurement Division, Supply Department. Incumbent is responsible for typing, in final form, purchase orders, delivery orders, requisitions, letters and memoranda. **Job Relevant Criteria:** Ability to type accurately and efficiently, ability to work under pressure, ability to work rapidly and accurately.

Supervisory Supply Technician, GS-2005-7, PD No. 773024N, Code 2573 — This position is located in the Customer Service Branch, Control Division, Supply Department. Incumbent functions as branch head and acts as the contact point for the Supply Department on supply support matters. Duties include telephoning support activities to obtain logistic support or supply status; planning and scheduling a variable workload of obtaining the approvals required to procure materials, and supervisory duties including training, performance appraisal and other personnel matters concerning subordinates. **Job Relevant Criteria:** Knowledge of the government logistic system and the Supply Department, supervisory experience, ability to use tact in dealing with both on and off-Center personnel, ability to work under pressure.

Equipment Specialist (Automotive), GS-1075-9, PD No. 7425022N, Code 2573 — This position is located in the Technical Section (Automotive), Stock Control Branch, Control Division, Supply Department. Incumbent provides technical assistance in obtaining automotive parts and supplies by identifying parts and researching part numbers in a variety of catalogs. **Job Relevant Criteria:** Basic knowledge of automotive and/or heavy duty vehicle equipment repair, knowledge of sources of supply for automotive parts, knowledge of federal and commercial supply catalogs, experience in interpreting federal and military specifications.

Supply Clerk (Typing), GS-2005-5, PD No. 7225054N, Code 25752 (2 vacancies) — These positions are located in the Receipt Matching Section, Receipt Control Branch, Control Division, Supply Department. Duties include preparing item discrepancy and rejection reports, handling material received without paperwork and material received in error, matching vouchers against requisitions, document follow-up and related functions, and typing letters and memoranda related to the work of the section. **Job Relevant Criteria:** Knowledge of MILLSTRIP coding data and forms, ability to work rapidly and accurately; ability to use tact and diplomacy in dealing with others; knowledge of supply terminology.

File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2371.

Clerk-Typist, GS-322-4, PD No. 7726021N, Code 2643 — This position is located in the Geothermal Operations Branch, Geothermal Utilization Division, Public Works Department. The incumbent provides clerical services to the branch and other branches as needed. These services include answering the telephone; reviewing and routing mail; typing correspondence, reports, and legal documents, filing, processing travel and timekeeping records, and serving as receptionist and resource person as needed. **Job Relevant Criteria** — Reliability and dependability; ability to get along with others in work group, at all organizational levels; ability to type efficiently and accurately; ability to use judgement and initiative, and knowledge of general office procedures.

File applications for the above with Cathy Rivera, Bldg. 34, Rm. 210, Ph. 2032.

Mechanical Engineering Technician, GS-802-4, PD No. 7732029, Code 3272 — This position is located in the Explosives and Propellants Branch, Propulsion Systems Division, Ordnance Systems Department. The incumbent assists senior technicians in the assembly and disassembly of explosive and propulsive weapons systems and associated test equipment. Duties also include the processing of high explosives and the extrusion of propellants, pyrotechnics, and explosives and assisting in designing, equipping, and arranging the hardware associated with such work. **Job Relevant Criteria:** General knowledge of the methods involved in safely handling squibs, igniters, detonators, primers, and other related fuzing devices, ability to operate extrusion presses and related equipment, knowledge of mathematics and ability to read drawings and blueprints, knowledge of engineering testing and shop practices. Promotional potential to GS-10.

File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2372.

AFGE to meet Monday

Members of Local 1781 of the American Federation of Government Employees will hold their next monthly meeting on Monday, beginning at 7 p.m., at 65-B Halsey Ave., China Lake.

Local 1781 is the representative of a unit composed of non-supervisory civilian employees of the Safety and Security Department's Police Division located at China Lake.

ding material received without paperwork and material received in error, matching vouchers against requisitions, document follow-up and related functions, and typing letters and memoranda related to the work of the section. **Job Relevant Criteria:** Knowledge of MILLSTRIP coding data and forms, ability to work rapidly and accurately; ability to use tact and diplomacy in dealing with others; knowledge of supply terminology.

File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2371.

Clerk-Typist, GS-322-4, PD No. 7726021N, Code 2643 — This position is located in the Geothermal Operations Branch, Geothermal Utilization Division, Public Works Department. The incumbent provides clerical services to the branch and other branches as needed. These services include answering the telephone; reviewing and routing mail; typing correspondence, reports, and legal documents, filing, processing travel and timekeeping records, and serving as receptionist and resource person as needed. **Job Relevant Criteria** — Reliability and dependability; ability to get along with others in work group, at all organizational levels; ability to type efficiently and accurately; ability to use judgement and initiative, and knowledge of general office procedures.

File applications for the above with Cathy Rivera, Bldg. 34, Rm. 210, Ph. 2032.

Mechanical Engineering Technician, GS-802-4, PD No. 7732029, Code 3272 — This position is located in the Explosives and Propellants Branch, Propulsion Systems Division, Ordnance Systems Department. The incumbent assists senior technicians in the assembly and disassembly of explosive and propulsive weapons systems and associated test equipment. Duties also include the processing of high explosives and the extrusion of propellants, pyrotechnics, and explosives and assisting in designing, equipping, and arranging the hardware associated with such work. **Job Relevant Criteria:** General knowledge of the methods involved in safely handling squibs, igniters, detonators, primers, and other related fuzing devices, ability to operate extrusion presses and related equipment, knowledge of mathematics and ability to read drawings and blueprints, knowledge of engineering testing and shop practices. Promotional potential to GS-10.

File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2372.

AFGE to meet Monday

Members of Local 1781 of the American Federation of Government Employees will hold their next monthly meeting on Monday, beginning at 7 p.m., at 65-B Halsey Ave., China Lake.

Local 1781 is the representative of a unit composed of non-supervisory civilian employees of the Safety and Security Department's Police Division located at China Lake.

Local 1781 is the representative of a unit composed of non-supervisory civilian employees of the Safety and Security Department's Police Division located at China Lake.



DIVINE SERVICES

PROTESTANT

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

ECUMENICAL

Wednesday Noon Bible Study 1130
Thursday Men's Prayer Breakfast 0630

ROMAN CATHOLIC

MASS

Saturday 1700 fulfills Sunday obligation
Sunday 0700 0830 1130
Nursery, Chapel Annex 1 0815-1245
Daily except Saturday, 1135, Blessed Sacrament Chapel

CONFESSIONS

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

RELIGIOUS EDUCATION CLASSES

Sunday First thru 6th grades 1015
Sunday Pre-school & kindergarten 1115
Sunday seventh & eighth (Junior High) 1000
Above classes are held in the Chapel Annexes across from the former Center Restaurant.
Sunday evening Ninth thru 12th grades
As announced "In Home" Discussion Groups Youth Rallies

Contact Chaplain's Office for specifics.

JEWISH SERVICES

EAST WING—ALL FAITH CHAPEL
Sabbath Services every Friday 1930

UNITARIANS
CHAPEL ANNEX #5
Sunday Services—(Sept.-May) 1930



RECOGNITION RECEIVED — W. B. Porter (at right), head of the NWC Weapons Department, congratulates Donald Quist, an electronics engineer who serves as circuit design consultant for Code 39's Special Projects Division, for his recent patent award. The award was for a "peak detecting demodulator" for the conversion of information signals in AC format to DC voltages representing the information. Co-inventor of the device was V. E. Thomas, an electronics engineer with Code 3145, who was unable to be present for the photo. —Photo by Ron Allen

Murray No. 1 soccer team posts 2-1 win over city all-stars

The type of teamwork displayed by the close-knit Murray No. 1 soccer squad enabled the Mustangs to post a 2-1 win over a City Recreation League all-star team last Friday night at the Burroughs High School athletic field.

Nearly 200 persons attended this season's end exhibition game, which was played on a cool and windy evening.

At the end of the first half of play, the score was tied at one goal apiece as Dale Killilea, of the Murray School team, booted the ball into the all-stars' net, and Ardy Mauldin tallied for the all-star team.

Three minutes into the second half, Steve Fry kicked a goal to produce what turned out to be the game-winning point for the Murray team.

During the recently concluded Junior High City League soccer competition, the Murray No. 1 team won nine, lost one and tied two games to place two games ahead of the second place Monroe No. 3 squad. In the 12 games they played, the league champs outscored their opponents 51-6.

Burros varsity gridders to end 1977 season tonight at Saugus

The ninth and final game of the 1977 season is coming up tonight at 8 o'clock at Hart High School in Saugus for the Burroughs High varsity football team.

The Burros, who are coming off a 29-7 defeat by West High of Bakersfield in a non-league fracas last Friday night, will be in a familiar underdog role, since they have managed to win just one out of eight games this year.

The lone victory was by a 1-point margin over the Palmdale High Falcons in the second Golden League game of the season. Tonight's gridiron tilt between Burroughs and Hart, a new entry in the league, will be the first to be played between these two schools.

Familiar Scenario Followed
Following a scenario that has become familiar this season to Burros grid fans, the locals fell behind early in the game by allowing the West Vikings to score two touchdowns in the first quarter.

On their first possession of the ball, the Vikings, who are unbeaten so far this season, showed why this is the case by moving the ball from their own 32 yd. line on a drive that carried them all the way to the BHS end zone for a touchdown.

Darryl Green, ace ball carrier for the West High eleven, tallied the first of his three touchdowns for the night on a 5-yd. run. Included among the key plays in this scoring drive was a pass from West High quarterback Bruce Scurlock to Scott Douglas for a gain of 30 yds. and a first down on the BHS 5-yd. line. The PAT on a

Archery range open Mon.

The China Lake Bowmen will hold an indoor shoot every Monday night, starting this Monday at 6:30, in their new building at 403 McIntire St., China Lake.

All local archery enthusiasts are invited to participate, and do not have to be club members to take part in the Monday night competition. Spectators are also welcome.

Further information can be obtained by calling Bob Stedman, vice-president of the China Lake Bowmen, at 375-4679.

Doug's Corner . . .

(Continued from Page 6)
winners in each division will receive trophies for their efforts.

There is a \$2 fee for entering the tournament, and registration is being handled at the Center gym between the hours of 8 a.m. and 3:30 p.m. The deadline for entries is Wednesday, Nov. 23.

Lights on at Tennis Courts
During the months of November and December the lights will be on at the Center tennis courts from 5 until 8 p.m. for those who wish to make use of this recreation facility.

Employee in the Spotlight

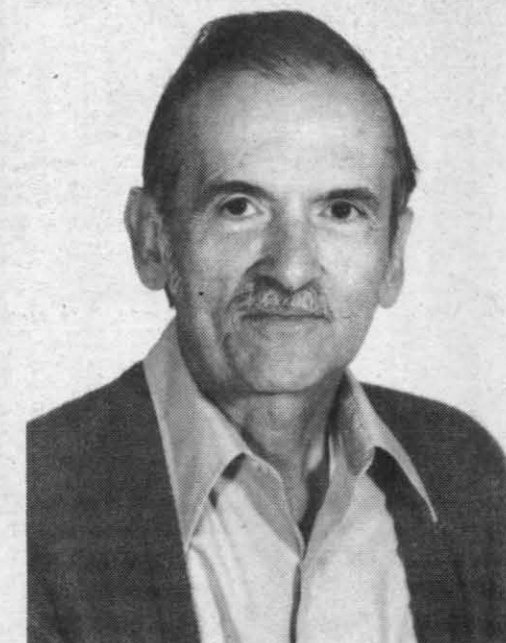
"There was a real job to be done, converting the World War II rockets into a more effective tool," reminisces Dr. Jim Wiegand about his early days at what was then the Naval Ordnance Test Station, now NWC.

"I remember it being an interesting period, full of vigor and enthusiasm and camaraderie."

Jim, who retires this week after a distinguished career which includes service in the Army, Civil Service, and private industry, came to China Lake the first time in June, 1946.

A stint in the Army at the Ballistics Research Laboratory at Aberdeen had introduced him to the field of propellants, and "China Lake really guided the direction of the Navy in that field."

He remembers with particular pride the work that was done on the 2.75-in. rocket, of which more than 20,000,000 have been produced. "NOTS managed the whole project — the aircraft, the launcher, fire control, as well as the rocket itself. It was the first rocket that used something as lightweight as aluminum tubing, and demon-



Dr. James H. Wiegand strated that a relatively fragile rocket could be practical. Like Sidewinder, it is reliable, simple, and effective — and will probably be used indefinitely."

Another project with which Jim was involved was the RAM, developed at China Lake during the Korean War in a period of about a month to meet a reported tank threat. "That was done in such a hurry that the fuzes were assembled on card tables in the halls of Michelson Lab," he said. "The first ones were flown from here directly to Korea."

Jim feels that one of the advantages of working at NOTS then was that with the mix of military men and civilians living in base housing as next door neighbors "we all learned from each other, and ended up with the feeling that we were all one family."

"This family feeling even continued among those who left here," he says, recounting that when he had gone to work for Aerojet in Sacramento, the "NOTS Alumni Association" up there called on

each other to help out in all sorts of family emergencies.

After 15 years at Aerojet, Jim returned to Civil Service at the Naval Ordnance Station at Indianhead, Md. A year ago he came to China Lake once more, this time on an exchange program which sent Ray Feist, head of the Ordnance Systems Department's Solid Propulsion Branch, to Indianhead for the year in order to facilitate working relationships between the two laboratories.

Jim and his wife Florence, nicknamed Daisy, are both natives of Traverse City, Mich., and graduates of the high school there. He went on to the University of Michigan from which he earned a Ph.D. in 1941. "We actually met at a dance after I'd gone on to college, and finally got married during the war."

They still share an interest in dancing (International style ballroom dancing), and also in transactional analysis. Daisy has been working with the counseling of single adults and also some marriage counseling using TA techniques, while Jim's interest has turned more to its uses as an organizational and management tool.

Retirement Plans
Although their only daughter, Elissa, lives in Oregon, they plan to retire to San Diego, where both intend to expand their interests. Jim says that they will be living in the halls of Michelson Lab," he said. "The first ones were flown from here directly to Korea."

Jim feels that one of the advantages of working at NOTS then was that with the mix of military men and civilians living in base housing as next door neighbors "we all learned from each other, and ended up with the feeling that we were all one family."

"This family feeling even continued among those who left here," he says, recounting that when he had gone to work for Aerojet in Sacramento, the "NOTS Alumni Association" up there called on



RENAISSANCE ARTS FESTIVAL HELD — Gusty winds which increased in the afternoon held down attendance at the Renaissance Arts Festival that was held last Saturday at the neighborhood park adjacent to 101 Dorado St. in the Wherry housing area. Sunshine House, activity center for the handicapped, staged this event with assistance from Cerro Coso Community College. The park was ringed with booths offering a wide variety of handicraft and art work, including Clifford Johnson's paintings (shown in top photo). There was entertainment in keeping with the renaissance arts theme as LouAva Seybold's Sierra Winds group (lower left photo) performed. The musicians visible in this photo are Sandra Nicol (on left), who is playing an alto shawm (forerunner of the oboe), while (seated, l.-r.) are Mary and John Seybold, Nancy Bright, who is from Independence, and Mary Lou McNabb. These four musicians are playing either soprano, alto, or tenor recorders. As part of the fun, some allegedly unruly individuals were placed in the stocks. Larry Sawyer, who suffered this indignity, reportedly was heard to make an ungentlemanly remark about the queen — a role that was filled by Pat Schwarzbach who, along with her husband (Ralph), daughter (Sandee) and son (Robert) entertained by presenting some brief bits of Shakespearian drama. By way of contrast, there was also some down home type by Ken Robinson's Dixieland band, whose members went on in true show business fashion even though Robinson's bass fiddle was broken while being transported to the affair.



Doug's Corner

Intramural league basketball season to begin Tuesday

The first games of the adult intramural basketball league season at China Lake are scheduled to be played on Tuesday, starting at 6 p.m. at the Center gym.

Plans, which hadn't yet been finalized at press time, call for the league to be composed of a total of 19 teams divided into Class A, B and C Divisions.

Games will be played at the Center gym on Tuesday, Wednesday and Thursday evenings starting at 6, 7:15 and 8 p.m.

Bowling Tournament Slated

Registration forms are available at the Center gym for military personnel who are interested in competing in the 13th annual Military Invitational Bowling Tournament.

This event is to be held on Saturday and Sunday, Nov. 19 and 20, at the Naval Training Center in San Diego. The singles and doubles competition will get under way at 9 a.m. on Nov. 19, while the teams entered in this event will vie starting at 10 a.m. on Nov. 20.

Cerro Coso Women's Volleyball

The first home game for the Cerro Coso Community College's women's volleyball team has been re-scheduled for 4 p.m. Tuesday at the Center gym. Last week's contest between Cerro Coso and Barstow College women volleyballers was canceled, and the local college team is now slated to play Victor Valley College.

While the gymnasium floor has been reserved from 4 to 6 p.m. Tuesday for the women's volleyball game, the remainder of the gym — including the weight room, swimming pool and locker rooms — will be open.

College Cagers To Play

The first home game of the 1977-78 season for the Cerro Coso Community College basketball team will take place on Saturday, Nov. 26, starting at 7:30 p.m. at the NWC gym.

The Coyotes' opponents will be the hoopsters from West Coast Bible College.

Racketball Competition Set

Plans were announced this week for a racketball tournament that will be held on the NWC courts from Friday, Dec. 2, through Sunday, Dec. 4.

This is to be a double elimination event, with entrants placed in either advanced, intermediate or novice divisions depending upon the degree of their playing skill. (Continued on Page 7)

Results reported of golf championship tournament

The China Lake Golf Clubs' Championship Tournament was completed last Sunday after two weekends of play. Fifty-eight local golf club members participated.

The winner in the championship flight was Nick Johnson, who edged out Bill Wright. Doug Clayton beat Chuey Quezada to take first flight honors, while Rol Baker defeated Hiram Moore to win the second flight. Top honors in the third flight went to Jack Mussler and the runner-up in this division was Earl Machowsky.

Awards to the top contenders in each flight of the Championship Tournament will be presented on Sunday at the China Lake golf course clubhouse at 2 p.m., preceded by a no-host reception at 1.

Hors d'oeuvres will be provided for the reception, and all friends of the golfers are invited to attend the presentations and reception.



FANCY FOOTWORK — Danny Gratton of the Atoms (in center), displays a bit of fancy footwork as he nudges the ball past Mark Erickson, fullback for the Cosmos, in an American Division game played last Saturday at Davidove Field. Coming up at right to get into position to advance the ball is Joey Frasca, a forward for the Atoms. Standout defensive play by both teams marked this game, which ended in a scoreless tie. —Photo by Ron Allen

10km runners do well in race, despite gusty winds Saturday

A field of some 50 long distance runners competed last Saturday in the annual Indian Wells Valley 10km run, which started and finished at the Center gym and followed a course that was marked out along paved streets in the housing area at China Lake. Despite gusty winds, Marvin Rowley, of the Culver City Athletic Club, and Dan Contreras, from San Bernardino, tied for first in the open class as they crossed the finish line in the fast time of 34 min., 27 sec.

Third place in the open class went to Marshall Matye, of the Culver City Athletic Club, whose time was 35:04. He was followed across the finish line by Byron Richardson and Frank Freyne, two members of the Over-the-Hill Track Club, who were clocked at 35:45 and 36:01, respectively.

Freyne competed recently and made a good showing in the New York City marathon race (26 mi., 385 yd.). His time for that event was 2 hr., 48 min.

In the 50 and over age group, the winner was Bruce Robinson, of Culver City, who turned in a fine 40:25, while William Norris was second in 46:43. Robinson is the holder of several national records for running at distances up to 30 miles, and recently finished second in a 50-mile race.

Other age group winners, and the top two runners-up in the men's division of the 10km

March AFB win both minor sports carnival, MDISL title

March Air Force Base nabbed first place in the minor sports carnival, final event for this year in the Mojave Desert Inter-service League, which was held last Friday, Saturday and Sunday in Riverside.

Second place points in this competition, which featured handball, racketball, badminton and a 3-mile run, were garnered by the athletes who represented the 29 Palms Marine Corps Base, and there was a tie for third between Edwards Air Force Base and the Marine Corps Logistics Support Base, Barstow.

China Lakers entered in the minor sports carnival found the going too tough and failed to place among the top three in any of the events that were held.

With the MDISL competition concluded for the year, March AFB emerged as the winner with 101 points, Norton AFB placed second with 93, while NWC and Nellis AFB tied for third with 87 points each.

Other MDISL participants, the order in which they finished, and their point totals, are as follows: 29 Palms, fifth, 86; George AFB, sixth, 82; Edwards AFB, seventh, 74½; Barstow Marines, eighth, 60½, and Los Angeles Air Force Station, ninth with 51 points.

Low-scoring games recorded in Youth Center soccer play

The regular three game series of Youth Center soccer matches played last Saturday at Davidove Field followed a similar trend in that they all provided lots of excitement, but little scoring.

In the Pacific Division (for players from second through fourth grades), the first place Spirits had to come from behind to gain a 1-1 tie with the Comets, who are improving each week.

Also in this division, the cellar-dwelling Cobras defeated the Apollos, 1-0, thus eliminating any chance the Apollos may have had for winning the division title, which has now been clinched by the Spirits.

Scoreless Tie Recorded

In the two-team American Division (for youngsters in grades five and six), the Atoms, who have a 2-game lead, and the Cosmos battled to a scoreless tie this past Saturday.

Larry Diebold was the pace setter on offense for the Comets in their 1-1 tie with the Spirits, but it was Greg Phillips who rifled the ball into the net to give the Comets a 1-0 lead that held up until midway in the second half.

At that point, the Spirits followed up on a corner kick, with John Andrews getting credit for the score after the ball was deflected into the net by a Comet defender.

Defensive standouts for the Spirits, who helped insure that the Comets were limited to a single goal until their team's offense could get together, were Kenny Sandberg (in midfield) and Jeff Wilcox.

Cobras Upset Apollos

In the second game of the Youth Center Soccer League triple header, the Cobras' front line of Hody Wells, Tony Haaland, Tim Wee and Peter Vigil kept the pressure on the Apollo defenders throughout the first half. Wee finally got a score as the result of a penalty shot following an infraction for tripping, and the Cobras were able to make that single tally hold up for the win.

Carolyn Stephens and John Dykema turned in strong defensive play to help thwart a number of scoring threats by Tony Gonzalez of the Apollos in the second half.

The Apollos' defense also was sharp in the second half and, led by Jason Monks and Lars Wong, prevented any further scoring by the Cobras.

In the senior (American Division) match between the Atoms and Cosmos, superior defensive play by both teams resulted in a scoreless tie. Singled out for their efforts on defense were Paul Wydra, Mark Erickson and Bruce Evert of the Cosmos, and Danny Gratton, Seamus Freyne and Sheldon Simonovich of the Atoms.

Three more Youth Center Soccer games are on tap tomorrow morning, starting with a contest between the Comets and Apollos at 9 o'clock. It will be the Spirits vs. the Cobras at 10 a.m., and the Atoms and Cosmos will clash at 11:30.

Practice sessions being held for C.L. youth soccer team

A series of Sunday afternoon practice sessions in preparation for forming a China Lake Soccer Club youth team composed of players under 16 years of age will continue this Sunday at 1 p.m. at Davidove Field.

This series of clinics and scrimmages will be used by adult club coaches to select a traveling team that will take on young players from Edwards Air Force Base, Barstow, Lancaster, and other Southern California communities.

All players 12 to 15 years old, especially those who have just finished the Junior High School Recreation League, are invited to attend these workouts.

Similar teams for younger players will be formed following the conclusion of the NWC Youth Center leagues. Times and sites for these will be announced later.

run, and their times, were:
14 yrs. of age and under—Marc Condos, 39:42; Jan Bargowski, 49:11; and Robert Towson, 72:45.

15 to 29 yrs. of age—Dennis Stansauk, 37:12; Brian Stansauk, 38:10; and Tim Finnegan, 38:44.

30 to 39 yrs. of age — Gary Dobvzen, 36:40; Howard Connolly, 36:42; and Robert Smith, 38:54.

40 to 49 yrs. of age—Norm Nieberlein, 37:17; Scotty Broyles, 39:31; and Ray Jacobson, 40:26.

Women's Division Winner

In the women's division, 9-year-old Leslie Wilson, of the Maturango Milers, turned in her best effort to date as she finished the 10km run in 43 min. Andrea Veatch and Kim Massey placed second and third in the competition for girls 19 years of age and under. Their times were 44:10 and 49:12, respectively.

Other age group winners, the top two runners-up in the women's division, and their times, were:

20 to 29 yrs. of age—Amelia Rivers, 44:24; Jerry Mumford, 47:53; and Janet Crandall, 61:24.

30 yrs. of age and over—Joyce Rowley, 45:54; Julie Smith, 46:03; and Suzanne Haney, 48:26.

The next Over-the-Hill Track Club event will be a 3-mile turkey trot on Thanksgiving morning. The race will start at the Cerro Coso Community College parking lot. Registration will begin at 9 and the race will get under way at 10 o'clock.



IT'S A TIE — Out of a group of some 50 contestants in last Saturday's 10 km run, first to cross the finish line were Danny Contreras (at left) and Marvin Rowley. Both were clocked in identical times of 34 min., 27 sec.

AA Hudie Thompson singled out as Sailor of Month at NWC

Airman Apprentice Hudie Thompson, who works on the Aircraft Department's Cold Line, has been named the Center's Sailor of the Month for September.

He is a plane captain and engine turn-up operator on the U9-D aircraft, with special note being made of the very minimal time that he needed to qualify on this aircraft.

According to Lt. R. S. Hill, Jr., AA Thompson's Division Officer, and AD1 Samuel Weaver, his Cold Line supervisor, his "military behavior is very exemplary. His ability to get along with others and his cheerful attitude have contributed to good morale and a harmonious working rapport."

So far the honoree feels that the Navy is a stop en route to what he wants to do; he's not sure yet what that will be.

He says that he had not really anticipated joining the Navy, but accompanied a friend to take the test. The friend failed, but Thompson passed; the friend had told him about all the benefits and advantages of

Housing bids due . . .

(Continued from Page 1)
a.m. to 3 p.m. Fred Muse, from the San Francisco office of GSA, is scheduled to be here as often as possible on Wednesdays between now and the bid closing date to accompany those who travel here to look over the homes in the Desert Park area as the possible prelude to submitting a bid on the 40 fourplexes and 220 duplexes that are to be sold as a unit.

Once here, the prospective buyers also have been contacting officials in the City of Ridgecrest to determine what requirements the city will impose on any new owner of the Wherry housing area.

The size of the area up for sale totals approximately 111.8 acres, and the two, three and four bedroom homes with attached carports vary from 817 to 1,260 sq. ft. in size.

In the advertisement announcing the sale, interested persons are advised to write to the GSA Business Service Center in San Francisco for invitation, bid and acceptance forms containing terms and conditions applying to the sale of homes in the Wherry housing area.

joining the Navy, so he did. He adds that his one younger brother plans to join on graduation from high school as a result of seeing the benefits of a Navy tour.

September's Sailor of the Month is a native of New Orleans, La., where he was graduated from Joseph S. Clark High School. A bachelor, his spare time is spent involved with the NWC intramural sports program. He plays basketball, football, and



AA Hudie Thompson

swims. Less active is his hobby of shooting pool.

AA Thompson says that he put in for sea duty, but was sent to China Lake instead. "It's different," he states, adding that he misses "everything about Louisiana."

For his selection as Sailor of the Month, AA Thompson will receive a 96-hour liberty pass and a free dinner for two at The Shuttle.

Scale model . . .

(Continued from Page 1)

Jim Downard, an information specialist (exhibits), in the Technical Information Department's Illustration and Design Branch, and Ernie Loscar, a woods-craftsman in the Public Works Department's Carpentry Shop. Some assistance also was provided by workmen in the Code 26 machine shop.

The design criteria specified for the facility model was 1/72nd scale. This size was selected because it allows the use of most scale model aircraft kits that are on the market. In addition, as the model was to be handled frequently it could easily be built structurally sound at that scale.

Real size tolerances of plus or minus 3 in. were placed on the X, Y, Z (height, width, length) dimensions of each test pad, as well as on the location of these pads with respect to other pads. On the scale model, the airflow facility portion, which provides airflow selectively to several test pads, had to be able to rotate 360 degrees. Scaled nozzles representative of those presently on hand were fabricated and designed for interchangeability as is possible at the actual facility.

Helpful During Briefings

In addition to its usefulness in the preliminary planning stages of a test, the scale model of the aircraft survivability facility is a handy item to have around when a project engineer is making presentation about a proposed test to a potential customer of this facility.

The scale model can be utilized to brief visitors when their schedules do not permit a firsthand inspection of the aircraft survivability test site, and also will be useful for preliminary layouts of improvements and modifications to the facility, it was pointed out by DeBolt. "We're always looking for ways to improve the test site, but want to be sure at the same time we don't restrict any of the facility's present capabilities," he explained.

When drafting proposals for future programs it will now be possible to illustrate the proposed test setup using photographs of the facility model. In this way, a potential facility customer may better visualize how his program tests are to be conducted.



ONE HUNDRED PERCENT — Combined Federal Campaign co-chairman Garry Rainwater (l.) congratulates Marine Corps M. Sgt. Sheldon K Simonovich for being the first CFC representative this year to have achieved a one hundred percent participation by the group he solicited. M. Sgt. Simonovich represented the Laboratory Directorate staff, a mixed group of civilian and military personnel.

Contributions to CFC hit total of \$104,272; drive ends today

"This year's Combined Federal Campaign closes today. If you've not yet contributed, please get that pledge card filled out and turned in now," urge CFC co-chairmen Cdr. Jim Ehl and Garry Rainwater.

"If you've delayed because money is tight right now, remember that the payroll deductions that you pledge won't begin until January," it was added.

Although contributions through last Friday totaled \$104,272, with 44 percent of the military and civilian employees on the Center contributing, contributions are still lagging behind this time last year, according to Cdr. Ehl. This year's goal is \$120,000.

Percentages of participation by department as of last Friday were:

Laboratory Directorate, 100; Fuze Dept., 75; Weapons Planning Group, 71; Supply Dept., 69; Research Dept., 65; Electronic Warfare Dept., 56; and both the Aircraft Dept. and the Office of Finance and Management, 53 percent.

The Technical Information Dept. had 52 percent participation; Air Test and Evaluation Squadron Five, 50; Engineering Dept., 50; Weapons Dept., 44; and the Test and Evaluation Directorate, 38.

Command participation was 37 percent; Military Administration, 34; Public Works Dept., 31; Safety and Security Dept., 29; Range Dept., 29; and the Personnel, Systems Development and Ordnance Systems Depts. all had 25 percent participation.

Watch for detours due to road repairs, motorists advised

Motorists on the Naval Weapons Center are advised to be on the lookout for detour signs and anticipate a slowdown in the normal flow of traffic on some of the most heavily traveled streets while work (already begun) is under way on the resurfacing of roads in the Center's housing and business area.

Work being done as part of a \$333,239 contract awarded to the Asphalt Construction Co. of Lancaster may disrupt the normal flow of traffic for the remainder of this month, according to Bill Williams, an employee in the Contract Division of the NWC Public Works Department.

The job calls for using a large mobile heater to scarify road and parking lot surfaces. After that has been done, an overlay of 1 to 1½ in. of asphalt is applied.

Weather will be a factor in how fast the work can be completed, but after the asphalt has been cured for 30 days, the workmen will be back to re-stripe the centerlines and restore other street markings.

Work was already begun earlier this week on the north parking lot at Michelson Laboratory, the Community Center parking lot, and on streets adjoining the 2-story dormitories on Parsons Rd.

Coming up next week will be the resurfacing of Blandly Ave. from Sandquist Rd. to the Commissioned Officers' Mess, Nimitz Rd. from Knox to Lauritsen, a section of N. Lauritsen from Nimitz to Blandly, and the traffic circle at the intersection of Knox Rd. and Halsey Ave.

Barricades will be erected and traffic will be re-routed while this work is in progress.



GREETED BY CONGRESSMAN — Jerry Reed, head of the Test and Evaluation Directorate's Long Range Planning Office at NWC prior to being selected to receive a Congressional Fellowship, was welcome this week to the nation's capital by Congressman William M. Ketchum, 18th District Rep. (at right). Reed, whose Fellowship extends from Nov. 9, 1977, through Aug. 15, 1978, will be serving in the House of Representatives from December through April, at which time he will transfer to the Senate side of Capitol Hill. Congressman Ketchum provided Reed with background information and advice concerning the critical issues of energy and defense legislation. During Reed's tenure as a Congressional Fellow, his family, which includes his wife, Linda, a daughter Leslie, who is 15 years old, and a son Jack, age 12, is residing Springfield, Va.



SUCCESSFUL SHOW — More than 900 people attended the 21st annual show of the IWW Gem and Mineral Society held at the Community Center last Saturday and Sunday. According to show chairman Craig Rae, the displays were among the best balanced of any of the shows in recent years, with minerals, artifacts, jewelry and general lapidary workmanship being outstanding. Rae stated that considering the weekend weather, the field trips

were well attended. On Saturday a busload of adult rock club members came up from Lancaster and were taken to the Rainbow Ledge area to search for minerals as well as on the planned 4-wheel drive vehicle trip to the Lava Mountains which attracted 30 people in 10 vehicles. Winds and blowing sand cut down attendance at the scheduled outing on Sunday, but there was a good-size crowd at the Community Center.

WACOM's annual Holiday Bazaar now open at Community Center

The Community Center will be bustling with activity from now until 8 o'clock tonight, and tomorrow from 10 a.m. to 4 p.m. while the eighth annual Holiday Bazaar, sponsored by the Women's Auxiliary of the Commissioned Officers' Mess (WACOM) is in progress.

The festive event was opened this morning at 10 o'clock during a ribbon-cutting ceremony at which Rear Admiral William L. Harris, NWC Commander, officiated.

Representatives of 25 organizations from throughout the local area are manning booths at the bazaar, where patrons can find just about every kind of handiwork imaginable, as well as their choice of such items as holiday candies, assorted nuts, homebaked cakes, sweet rolls and breads.

In addition, unique Christmas cards and stationery, macrame ornaments, holiday gift package decorations, pine cone wreaths, and an assortment of unusual toys and other gift items can be purchased by those who are interested in something a little different in the way of gifts for a friend or relative.

A "silent auction," in which bids are

Nominees sought for TV Booster, Inc. board of directors

Plans have been announced by the officers of the Indian Wells Valley TV Booster, Inc., to hold an election of new board members during a meeting scheduled on Tuesday, Dec. 6.

In preparation for this meeting, those who have contributed to the financial support of the community-owned IWW TV and FM radio booster system in order that it can continue to be maintained and operated, have been receiving TV Booster membership cards in the mail.

All Indian Wells Valley residents who have donated \$5 or more to Indian Wells Valley TV Booster, Inc. are members and are eligible to seek election to the board, nominate others, and vote in the forthcoming election.

Nominations of prospective board members can be made right up until the Dec. 6 meeting, and also will be accepted from the floor that evening. Those wishing to submit nominations in advance can do so by calling either Don Stanton, at NWC ext. 6340, or Dan Ryan, at NWC ext. 6251.

From the group of eight board members that is elected on Dec. 6, new officers for 1978 will be elected in January. The current slate of officers is headed by Bob Fletcher, president, and includes Stanton, vice-president; Jim Rieger, secretary, and Mike Ripley, treasurer.

Special restrictions on fires lifted on Sequoia Nat'l Forest

Special fire restrictions on the Sequoia National Forest have been cancelled for this season, it was announced recently by John A. Leasure, forest supervisor.

"Because of the drought and high fire danger, special fire restrictions were initiated in early August," Leasure noted. "Now that the days are shorter, humidities are higher, and temperatures considerably lower, we can remove these restrictions. However, the trees and brush are still extremely dry during the day and we urge people to continue to be very careful with any fire."

Leasure added that the public is to be commended for its care in the use of fire in the Sequoia National Forest this fire season. "Visitors were most cooperative in observing the special fire restrictions which enabled us to keep the forest open this summer," he added.

Although the fire danger was extremely high, the Sequoia National Forest suffered only two major fires—the 7,586 acre Bonita Fire which was lightning-caused, and the 5,110 acre Beartrap Fire which was man-caused.

The general fire restrictions always enforced on the National Forest are: A fire permit is required for any fire outside of a developed campground, off-road vehicles are permitted in designated areas, and welding and blasting are allowed only after obtaining a special permit.

Kern County offers free immunizations for young children

With the current outbreak of measles in Kern County and the new stiffer immunization requirements for all school children in the state of California, Dr. Leon Hebertson, Kern County Health officer, advises all parents to take advantage of the free immunization clinics to be held in the local area this month.

Immunizations against diphtheria, pertussis, tetanus, polio, and measles will be given to infants from 2 months of age to youths through age 17. All young people must be accompanied by a parent or guardian who is authorized to sign the necessary permission forms.

Immunization clinics are scheduled on Monday at the old Kern County building, 230 W. Ridgecrest Blvd., at 9 a.m., and at the Inyokern School on Nov. 22, from 3 to 4 p.m. No appointments are necessary.

Additional information can be obtained from the Ridgecrest office of the Kern County Health Department by calling 375-1306.

Turn in timecards early next Friday

All personnel who are responsible for the submission of employee timecards are reminded that because of the Thanksgiving Day holiday, timecards for the regular work week ending on Nov. 19 must be turned in by 11:15 a.m. next Friday, Nov. 18.

Due to the holiday on Thursday, Nov. 24, and the fact that the NWC Command has authorized an early payday on Wednesday, Nov. 23, it will be necessary for Payroll Office personnel to receive the timecards for all employees by the Nov. 18 deadline.

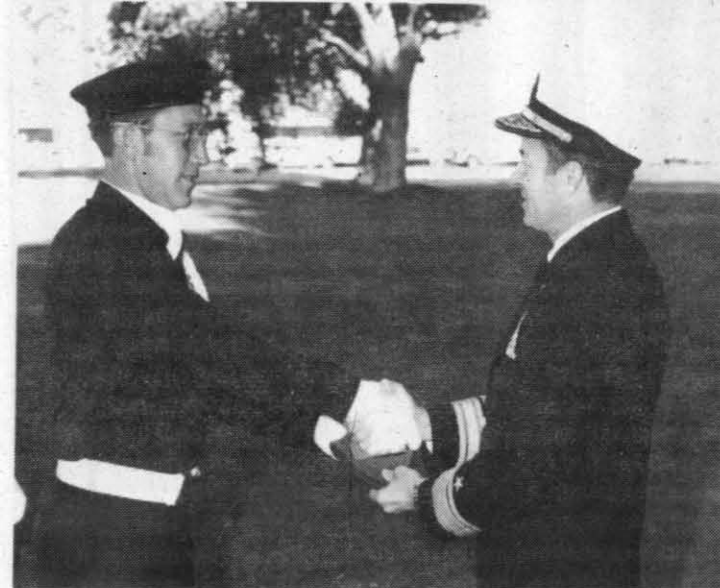
No time cards are to be held out, it was emphasized. Any overtime for Friday night, Nov. 18, or Saturday, Nov. 19, should be submitted on a supplemental timecard for payment during a subsequent pay period.

Navy Wives Club to sponsor yardage sale

Desert Flowers Chapter No. 125 of the Navy Wives Club of America is sponsoring a visit of "Sam the Yardage Man," which has been scheduled next Wednesday, from 11 a.m. to 7 p.m., and on Thursday, Nov. 17, from 9 a.m. to 2 p.m., at the Ridgecrest Elks Lodge.

A percentage of the sales receipts for the two days will be retained by the Navy Wives Club for use in its support of local charitable activities.

Linda Fleeger, president of the Navy Wives Club, invites and encourages all interested persons to attend this fund-raising event.



DRILL TEAM INSPECTED — Rear Admiral William L. Harris, NWC Commander, inspected the NWC Drill Team after it carried out the morning colors routine recently on the lawn of the Administration Building. This was the first time that RADM. Harris had inspected the team, and was the last time that MS1 B. A. "Bud" Dean, petty officer in charge of the team, appeared with the group prior to his transfer. In the photo at left, RADM. Harris is shown congratulating MS1 Dean after presenting him with a



plaque on behalf of the team. In the photograph on right, Mrs. Lois Galvin, chaplain and junior past commander of John M. Armitage Post No. 684 of the American Legion, listens while RADM. Harris reads a letter of appreciation for participation by MS1 Dean and the Sidewinder Drill Team at many American Legion-sponsored functions. Seen behind Mrs. Galvin is David C. Vander Houwen, who is the Senior Chief Petty Officer of the Command.

Flea Market planned on Saturday, Nov. 19, at Community Center

A flea market for the sale of second-hand goods will be held at the Community Center on Saturday, Nov. 19, from 10 a.m. to 4 p.m., it was announced this week by R. L. Youngman, head of the Special Services Division at NWC. Sales space will be limited to 50 participants, who can make arrangements to set up a table at this event by completing a request form that is available at the Community Center.

There is a \$3 charge which is payable at the time the request form is filled out. All NWC employees or military personnel, and their dependents, are eligible to apply for space.

The second hand sale will be open to all Centerites, their dependents and others who are authorized access to the Naval Weapons Center.

Additional information can be obtained by calling Art Amos, manager of the Community Center, at NWC ext. 2010

Summer aid position applications open

Applications for Summer Aid positions are now being taken by the Center's Personnel Department. To be eligible to apply, an individual must be between the ages of 16 and 21, and be economically disadvantaged. Applicants will be screened to be sure that income criteria are met.

Those wishing to apply may pick up an application form at the receptionist's desk in the Personnel Department building. This form must be accompanied by an SF-171 and the Summer Aid Questionnaire, and must be returned to the Personnel Dept. receptionist before May 1, 1978.

CSC announces rules for summer hires

The Civil Service Commission has announced that it has adopted a new method for filling summer jobs from the annual Summer Employment Examination.

Because of this, all applicants for summer jobs at the Naval Weapons Center should file under Group I in the Summer Announcement, and may do so during the period from Jan. 4 through 27, 1978.

The written test will be administered during the month of February. Applications will be available in January.

Happenings around NWC

A Brown Bag Seminar dealing with self-defense for women is scheduled next Wednesday from 11:30 a.m. to 12:30 p.m. in the Cactus Hall of the Community Center.

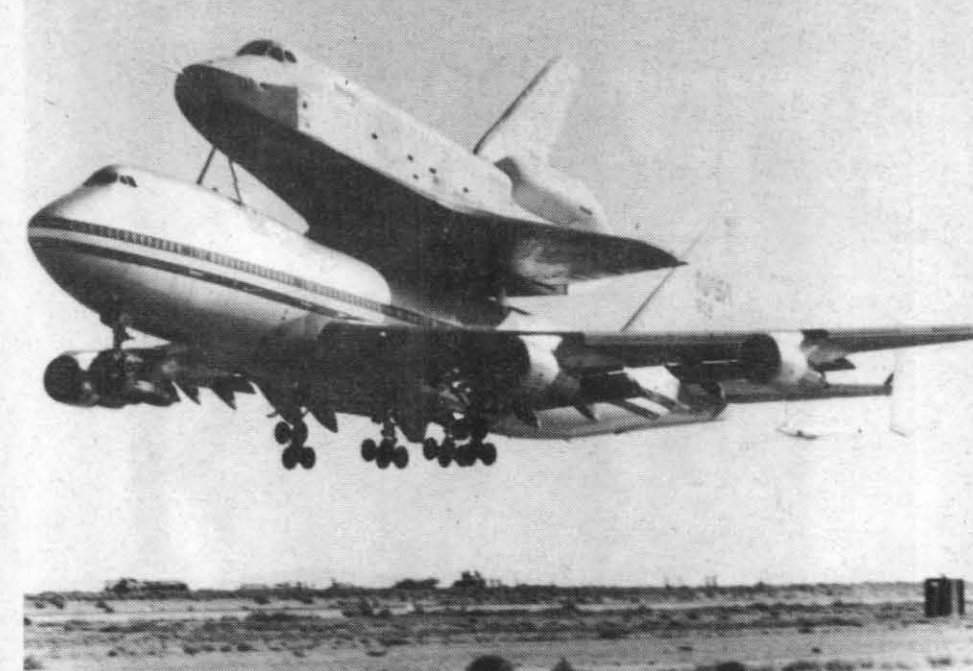
The film "Lady Beware" will be shown, and Steve Kaupp, chief of police at China Lake, and Nancy Webster, an instructor at Cerro Coso Community College, will be present to answer questions from the audience.

Star Party Slated Tonight
The China Lake Astronomical Society is sponsoring a free public star party tonight, starting at 7 o'clock at the Sandquist Spa recreational area.

Telescopes will be set up for visitors to view star clusters and gaseous nebulae in the Milky Way, and the great spiral galaxy in the constellation Andromeda.

Dances Set at CPO Club
Rip Fang and the Sidewinders, featuring Ronnie Thompson, will be playing contemporary rock music for the listening and dancing pleasure of patrons of the Chief Petty Officers' Club tonight and tomorrow night from 9 until 1:30 a.m.

The Friday night dinner special is Icelandic cod served from 6 to 9 o'clock, while the special for Saturday night is surf and turf, which will be offered from 6 to 8:30.



SPACE SHUTTLE TO BE ON DISPLAY — The National Aeronautics and Space Administration's space shuttle orbiter Enterprise, seen here atop its 747 carrier aircraft lifting off from the Edwards AFB runway, will be on display at the Air Force Test Center open house and air show on Sunday. Gates for the event, which celebrates the Air Force's 30th anniversary, open at 9 a.m. and close at 3:30 p.m. There is no admission fee.

Thunderbirds, space shuttle to be featured at Edwards AFB open house

The Air Force Flight Test Center (AFFTC) at Edwards Air Force Base will open its gates to the public at 9 a.m. Sunday for a 6½ hour free open house and air show celebration of the Air Force's 30th anniversary.

The air show will include the USAF aerial demonstration team, the Thunderbirds; flight demonstrations of F-16, F-15 and A-10 close support aircraft; precision parachuting by the U.S. Army's Golden Knights; and static displays of Air Force operational and test aircraft.

Also, the National Aeronautics and Space Administration's (NASA) Hugh L. Dryden Flight Research Center, located at Edwards AFB, will have several static displays, and U.S. Army Aviation Engineering Flight Activity will also display a variety of aircraft.

In addition to military aircraft, a large number of vintage airplanes from throughout southern California will be flown in by their owners and displayed.

Also to be featured at AFFTC open house and air show will be the space shuttle resting atop its 747 carrier aircraft. National Aeronautics and Space Administration (NASA) and AFFTC officials made the announcement after NASA determined that the Oct. 26 flight, scheduled to be the last of the series of approach and landing tests, had provided sufficient data.

Rare Opportunity
NASA and Air Force officials noted that this probably would be one of the last chances for southern Californians to view the shuttle until 1979 when shuttle orbital missions will terminate with landings at Edwards Air Force Base.

The Enterprise is now slated for four ferry flight simulations prior to being flown on top the 747 in March to the NASA Marshall Space Flight Center in Huntsville, Ala., where it will undergo mated ground vibration tests. The second orbiter is now under construction in Rockwell's Palmdale facility, and should be moved overland to Edwards AFB sometime in the fall of 1978.

The approach and landing test program began at Edwards AFB last February, with a series of flights by the 747-Enterprise combination without a crew in the Enterprise. Once the performance of the two mated vehicles in flight was verified, a series of flights with astronaut crews aboard the shuttle were made to verify crew procedures and system operations.

The final phase of testing called for the orbiter to be launched from the 747 to verify the Enterprise's subsonic airworthiness, integrated systems operations and pilot-guided and automatic approach and landing capabilities.

Five such flights were made, beginning with the first flight on Aug. 12. Astronauts

Fred Haise and Gordon Fullerton were at the controls for the 5-minute flight, which landed on the dry lakebed runway.

Three flights were made with the orbiter's tailcone on, in a configuration which will be used to ferry the orbiter back from its landing sites after space flight. Astronauts Joe Engle and Dick Truly made the first tailcone-off free flight of the Enterprise on Oct. 12, designed to verify its orbital return configuration.

Test Aircraft on Display
In addition to the Enterprise, NASA's Hugh L. Dryden Flight Research Center at Edwards will display the triple-sonic YF-12 aircraft, which is being flown in a joint NASA-USAF test program.

Purpose of the YF-12 flight research program is to obtain information from sustained cruise flight at Mach 3 (approximately 2,000 miles per hour) and at altitudes in the 75,000 foot range. Data obtained from the program is being used to provide the technology necessary for the development and the operation of supersonic aircraft and space vehicles.

The YF-12 is similar to the famous SR-71 "Blackbird" Air Force reconnaissance jet, which holds world speed records for flights from London to New York and London to Los Angeles.

Parapsychologist to present lecture at college Tuesday

Richard Miles, a parapsychologist who describes himself as a philosopher trapped in the body of a businessman, will speak at the Cerro Coso Community College lecture center on Tuesday at 7:30 p.m.

He replaces the previously scheduled parapsychologist Kay Rhea, who suffered a serious accident and will be unable to make the lecture.

Miles has been involved with the Academy of Parapsychology and Healing and developed the academy's conference series on "The Dimensions of Healing". He is presently involved in the development of holistic health centers and organizations.

He is also a co-founder of an "events management" business which stages conferences and seminars in the fields of medicine and psychology. Events management involves meeting and sharing views with many of the "leading edge" thinkers in the field of human nature.

Tickets for the lecture are priced at \$2 for the general public and \$1 for Cerro Coso College associated student card holders. They may be purchased in advance at the Gift Mart, Sports Inc. and the college business office, and will also be available at the lecture center door on Tuesday night.

Aged, chronically ill eligible for flu immunizations

Free flu immunizations will be offered by the Kern County Health Department to local people 65 and over and to adults with chronic diseases.

The flu vaccine used this year will protect against the A/Victoria and B/Hong King viruses, but will not include the New Jersey "swine flu" virus.

County Health Officer Dr. Leon M. Hebertson advises that individuals with such chronic diseases as diabetes, heart, lung, and kidney diseases obtain their immunization from their personal physicians or usual source of medical care so that their need for flu immunization can be better determined.

He also recommends that those who are allergic to eggs should check with a physician before receiving the vaccine.

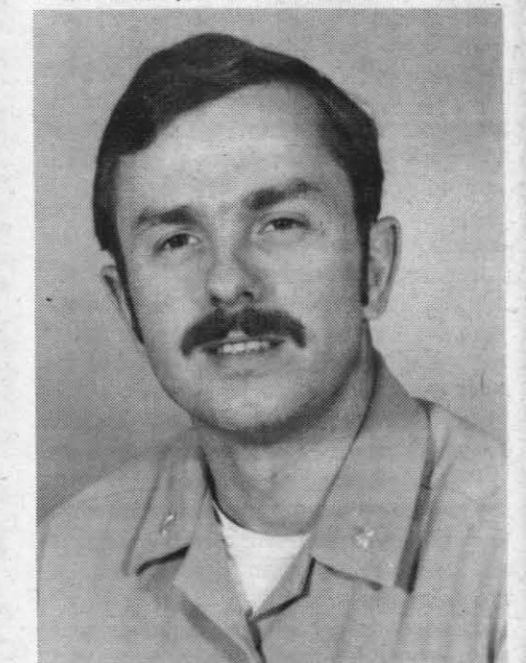
The County Health team will give the shots at the old Kern County Court House, 230 Ridgecrest Blvd., on Monday, Nov. 14, between 1 and 2 p.m., and at the Inyokern School on Tuesday, Nov. 22, between 3 and 4 p.m.

Anyone who has a question about the flu vaccine should contact the Health Department by calling 375-1306.

LCdr. West reports as new Air Weapons Officer in Code 39

LCdr. William R. West, a native of Clifton Heights, Pa., has recently reported aboard the Naval Weapons Center and assumed the duties of Air Weapons Officer in the Weapons Department.

The new arrival comes from a 2½-year assignment as a pilot with Fighter Squadron (VF) 143 at Naval Air Station Oceana, Virginia Beach, Va. During the Vietnam War, he flew more than 150 combat



LCdr. William R. West

missions with VF 51 in 1969 and 1970 from the deck of the Bonne Homme Richard.

LCdr. West was graduated from Pennsylvania State University with a B.S. degree in aerospace engineering in 1966, and, as the recipient of a NROTC scholarship, received a commission as an ensign simultaneously.

His first duty assignment after receiving his wings was with VF-51, stationed at NAS Miramar, San Diego.

He and his wife, Janet, live in Navy housing with their five-year-old daughter, Jocelyn. The family looks forward to skiing in the Sierra Nevada during the coming winter months.

Test range move . . .
(Continued from Page 1)
responsibility for parachute testing. Under the Department of Defense program for stability of civilian employment, every effort will be made to assist displaced DoD employees in obtaining other acceptable employment. A 30-day public comment period prior to the decision becoming effective applies to this action.