Preparations in final stage for annual Maturango Junction fete

Preparations are nearing their final stage for the annual Maturango Junction celebration, a family-oriented fund raiser for the benefit of the Maturango Museum building fund that will be held on Saturday and Sunday, Oct. 17 and 18.

Balsam Street in Ridgecrest will be closed to traffic between Coso Street and Ridgecrest Boulevard, and booths will be erected and tables placed along each side of the center divider of Balsam Street leaving most of the street and sidewalks free for pedestrians, shoppers, and participants in the variety of activities that are

Several local-organizations will carry out special events for the benefit of the museum building fund next week. This includes a joint venture by the China Lake Players and the Community Light Opera and Theater Association (CLOTA) at the Enlisted Mess on Thursday and Friday, Oct. 15 and 16.

Following a broasted chicken dinner, the two drama groups will present a Jo Downing, a local weaver. melodrama entitled "Virtue Triumphant," and a variety show. Tickets for this dinnertheater night event are priced at \$6 and can be ordered by calling the museum at 446-6900. Advance reservations are required.

In addition, a luncheon and fashion show featuring wearing apparel of yesteryear from Donna's Costume Rental and variety show skits, will be held Monday evening and also at 1 p.m. on Thursday, Oct. 15, at Clancey's Claim Company restaurant in Ridgecrest. Tickets and information on this event also may be obtained by calling the

Mock gunfights, bank robberies, and shotgun weddings - all carried out by appropriately costumed citizens of this wild



IT'S A HOLDUP - A make-believe bank robbery will be among the events planned as entertainment for visitors to the wild west boomtown of Maturango Junction. Behind the mask is Barbara Hintz, an employee of the NWC Federal Credit Union.

west boomtown — will add to the enjoyment of visitors to Maturango Junction on Oct. 17

Marlene and Bill Altieri, entertainment chairmen, have made arrangements for an exhibition of square dancing by the Cactus-Squares; singing by a local men's barbershop harmony chorus and the Sweet Adelines, their feminine counterpart; and instrumental music by school bands and

A pancake breakfast, prepared and served by members of the Ridgecrest Kiwanis Club, will get things off to a good start at 7:30 a.m. on both Saturday and Sunday, Oct. 17 and 18, and, in the evening fried chicken dinners will be sold by the Indian Wells Valley Branch of the National Association for the Advancement of Colored

The International Chile Society has sanctioned a chile cook-off, the arrangements for which are being handled by "Don Tee" Tilford. The number of contestants in this event, which will begin at 10 a.m. on Oct. 17, is limited, so those who are interested in displaying their culinary skill should contact Edna Laytart, administrative assistant at the Maturango Museum, by calling 446-6900 as soon as

Among the booths that will be set up along Balsam Street for the Maturango Junction festivities will be a country store operated by the Altrusa Club, and others at which baked goods, gifts, jewelry, art and handcraft items, and pottery will be offered for

Among prizes to be given away to those who take in the Maturango Junction celebration are a desert landscape sketch by Sylvia Winslow, well-known desert artist; a stained glass work by Robert Burrows; and a handwoven stole made by

Photo Society plans picture parlor at Maturango Junction

The China Lake Photographic Society will be participating in Maturango Junction activities on Balsam Street in Ridgecrest on Saturday and Sunday, Oct. 17 and 18.

The group will have a "Picture Parlor" in the vacated dental offices of Dr. Hansen, at the corner of Balsam and Panamint Streets. Inside the "Picture Parlor" black and white as well as color prints taken by the members will be offered for sale.

In addition, for those wishing to pose "on the spot," there will be a typical Western backdrop and costumes provided by CLOTA and Donna's Costumes. The Photo Society also will have roving photographers taking pictures. Also for a small fee, "instant" Polaroid copies will be made of old photographs, newspaper clippings, marriage licenses, or other items brought into the "Picture Parlor."

For tired Maturango Junction visitors, the Photo Society will show short film slide presentations of desert scenes inside the ouilding. For the kids, local businessman Bob Cornelius is loaning the Photo Society his 19th-century fire engine which will provide a backdrop for some action-filled photographs

Officers' Club and the Enlisted Mess tonight.

Icelandic cod. Dinner is served from 6 to 9 o'clock.

memorabilia belonging to Society members.

Friday, Saturday, or Sunday night.

I.D. is required upon check-in.

no admission charge and docents will be in attendance.



HAPPY HOOFERS — Marlene and Bill Altieri, entertainment chairmen for Maturango Junction, will demonstrate their dancing ability as part of the variety show and melodrama to be presented at the Enlisted Mess on Oct. 15-16, and also during the festive weekend (Oct. 17-18) on Balsam Street

Community Ctr. now has tickets for Navy Night at Disneyland

Tickets for Navy Night at Disneyland, which is scheduled on Saturday, Oct. 24, from 8:30 to 1:30 a.m., can now be obtained at the Community Center.

The Magic Kingdom will be closed to the general public on the evening of Oct. 24 and be reserved exclusively for Navy personnel and Department of Defense civilians.

The cost of tickets is \$6.65 per person for everyone except those under 2 years of age, who will be admitted free of charge. Tickets can be purchased on week days at the Community Center between the hours of 8 a.m. and 1 p.m., and from 2 to 4 p.m.

Ski Club to meet Tues.

An organizational meeting of the China Lake Ski Club will be held at 7:30 p.m. Tuesday at the Senior Citizens' Building on South Warner Street in Ridgecrest.

Purpose of the gathering will be to discuss plans for the coming season, to renew old memberships, and to sign up prospective

Weekend Roundup

There will be entertainment provided for members and guests of both the Chief Petty

At the CPO Club, "TNT," a contemporary rock-music group from Trona, led by

Theresa Bagley, will provide music for listening and dancing from 8:30 p.m. to 12:30

Diners at the CPO Club this evening will be offered the choice of prime ribs of beef or

The EM will feature the music of "The Marlin," four guys and a gal from Dayton,

Steak and shrimp will be featured in the EM dining room, for those who care to dine out

Kern River Valley Historical Society's annual Antique and Collectibles Show will be

The event is free to the public and will feature displays of antiques and historical

The Society's Historical Museum, located in the community building, at the corner of

Kernville Road and Sierra Way, near the school, will be open during the show. There is

The Newport Beach Marriott Hotel and Tennis Club will provide accommodations for

The hotel is located at 900 Newport Center Drive, Newport Beach, Calif. Advance

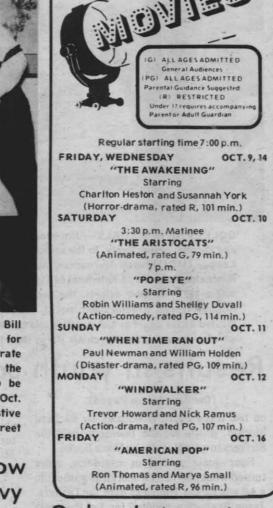
reservations are required and can be made by calling the hotel at (714) 640-4000. Military

two for a reduced military price of \$21 per person, per night, double occupancy, any

A weekend of luxury at the beach is being offered to all military personnel.

held tomorrow and Sunday from 10 a.m. to 4 p.m. at the Kernville Elementary School in

Ohio, whose forte is rock music. Marlin will perform from 9 p.m. to 1:30 a.m.



Orders being taken for truckload sale of seafood Oct. 19-20

Burroughs High School Future Business Leaders of America (FBLA) will again be sponsoring a truckload seafood sale featuring a wide variety of top quality Alaska seafood. The proceeds from the sale will be used for community service projects.

FBLA members are now distributing price sheets and order forms, and persons wishing to order in advance must do so by

Pre-order customers are assured of having their seafood saved for them, and the group earns more money on these items.

There is no payment on orders until the seafood is inspected and accepted by the buyer. Satisfaction is unconditionally

The seafood will be delivered by a giant Trans Alaska truck which will be parked in the Safeway Parking lot in Ridgecrest on Monday and Tuesday, Oct. 19 and 20, from 10 a.m. to 6 p.m.

Some of the seafood offered includes, Alaska salmon, smoked salmon, halibut, king crab, cod fillets and shrimp.

Price lists and order forms can also be picked up at Burroughs High School. To place an order, mail forms to Burroughs or call 375-4476 ext. 68 from 8 a.m. to 4 p.m. or

Federal employees day at Disneyland is scheduled on Monday, Oct. 12 (Columbus

Hours of operation at Disneyland on Columbus Day will be from 10 a.m. to 6 p.m.

J.S. Government Printing Office:

From:_ STAMP HERE



Vol. XXXVI, No. 40

NAVAL WEAPONS CENTER CHINA LAKE

Compromise on Military Pay Bill reached

Military Pay Bill that provides military pay raises ranging from 10 to 17 percent for enlisted personnel and a flat 14.3 percent pay boost for officers was approved on Wednesday by the House of Represen-

The compromise pay bill, a product of negotiations between a conference committee composed of both Congressmen and Senators, was passed 417 to 1 by the House of Representatives and then sent to the Senate, where final action was expected later in the day on Wednesday.

At deadline time for this issue of the Rocketeer, no information was available on the U.S. Senate's action, which was to be followed by forwarding the Military Pay Bill to President Ronald Reagan for his

The \$4.5 billion Military Pay Bill was made retroactive to last Thursday, Oct. 1, the start of the 1982 fiscal year. It reflects both the Senate's desire to provide pay raises for military personnel based on a sliding scale of from 7 to 22 percent as a means of helping to retain experienced personnel, and the original proposal of the House of Representatives to give all ranks an across-the-board pay boost of 14.5 per-

The delay in reaching a compromise agreement on the House of Representatives and U.S. Senate versions of the 1981 Military Pay Bill means that any pay increase for military personnel may not be reflected in the paychecks to be issued on Oct. 15.

According to CWO3 Marty Tubbs, officerin-charge of the Personnel Support Activity Detachment (PSD) at China Lake, lead time of between five and seven days is required to handle a change such as a

On Sept. 11, the U.S. Senate voted pay (Continued on Page 2)

new head of the Aircraft Weapons In-

At Skytop facility

Another forward step made in static test firing of large rocket motors

firing of large rocket motors is being taken by employees of the Ballistics Test Branch in the NWC Range Department's Ordnance **Test and Evaluation Division**

Challenged to come up with a suitable way to optimize data during Polaris second stage rocket motor tests, engineers and technicians set about the task of designing and constructing a test stand for the High Hazard area at Code 62's Skytop facility.

The project began in May 1980 with the addition of a steel structure to an existing multi-stage firing pad to allow the Polaris rocket motor to be static fired at an angle of

EXTRA PRECAUTIONS TAKEN

When firing rocket motors to determine failure modes, it is necessary to design for protection of the test stand and equipment in the event of a failure. Engineers and technicians at the Skytop facility prepared for such an eventuality during testing of the Polaris second stage motor by designing the stand for optimum data acquisition capability while still protecting the stand and equipment in the event of a motor

This was accomplished by not only providing a heavy steel structure but also a water deluge system that can deliver 2,000 gpm to the stand for 10 minutes. Also, an underground bunker was constructed to house and protect instrumentation used in the test. This insures that data will not be damaged or lost in the event of a motor failure, but will be available to facilitate pinpointing the probable cause of failure.

In setting up for these tests, engineers were particularly interested in getting photo coverage from above looking down on the forward dome of the motor during firing. Cameras mounted on tall, sturdy poles adjacent to the test stand made it possible to by the requirement to maintain the tem-

Dr. Kutchma chosen to fill department head post

currently attending the Harvard Business Nellis Air Force Base, Las Vegas, Nev., supervised 56 analysts and programmers in

Capt. Jude Lahr has announced that the executives, will assume his new duties in

tegration Department will be Dr. Edward He has been director of Data Automation

King Kutchma. Dr. Kutchma, who is at the Tactical Fighter Weapons Center,

School in a program for Air Force senior since 1978. His primary responsibilities

REWARDING EVENT — Capt. Jude Lahr last week presented (I.-r.) Bob Hillyer,

Burrell Hays, and Frank Knemeyer with Senior Executive Service (SES) bonus

awards for their outstanding work during the past year. Hillyer and Hays are the

Technical Director and Laboratory Director, respectively, while Knemeyer is

head of the Weapons Planning Group. This is the second year of the award

program to reward SES members monetarily for exceptional performance.



locked into position at an angle of 50 degrees is now possible in the High Hazard area of the NWC Range Department's Skytop facility. Cameras mounted on tall, sturdy poles adjacent to the test stand make it possible to obtain a good view of a Polaris second rocket motor's forward dome, which was the focal point of interest during this series of tests. Flash X-ray and real time dynamic X-ray equipment and techniques that were adapted for use on this series of tests made it possible for test engineers to "see" what was happening inside the rocket motor

obtain a good view of the rocket motor's forward dome.

Static firing of these Polaris second stage motors, a complicated task under these conditions, was made even more complex

were to establish, design, plan, budget and

implement the data automation program

and advise the Commander on all aspects of

data automation technology required. He

ment, and integration of data collection,

display/debrief facilities and data

processing for all data gathered at Nellis

Dr. Kutchma came to this job from

serving as Chief of Operations Research at

SAC/NORAD Joint Operations Task Force

at Ent Air Force Base in Colorado. He began

as an analyst at Ent after completing five

years of service in the Air Force, most of

which was spent at the Air Force Armament

While serving in the Air Force he was a

program manager for various R&D efforts

in aircraft and airfield survivability, and

also worked with systems analysis in

support of the Joint Munitions Effectiveness

Dr. Kutchma, who also holds a

Meritorious Civilian Service Medal, was a

Federal Employee of the Year in 1976. He

also received a postgraduate National

(Continued on Page 4)

Laboratory at Eglin AFB in Florida.

Manuals.

perature of the rocket motors within plus or minus two degrees of a specified temperature until about 60 seconds prior to firing. This was accomplished with an expendable conditioning shed that was jettisoned just prior to starting the 30 second countdown.

Flash X-ray and real-time dynamic X-ray equipment and techniques have also been adapted for use on this test series. This Xray equipment provides the only means possible for test engineers to "see" what is happening inside the rocket motor during

By the use of X-ray, coupled with a real Before that time (from 1973 to 1978), he time TV system that records data on tape, was Senior Technical Engineer, heading a information is acquired that, when group of 137 engineers and technicians in analyzed, can pinpoint problems related to being responsible for the design, developpropellant burn rate, integrity of the instrumentation, real time range control

(Continued on Page 4)

Naval Weapons Center directory, guide published

A new Naval Weapons Center guide and directory has been published and is now available for the asking.

Center employees or military personnel who would like to have a copy of this unofficial booklet need only call Natalie Harrison in the Public Affairs Office, phone NWC ext. 3481, and she will send a copy to them via guard mail.

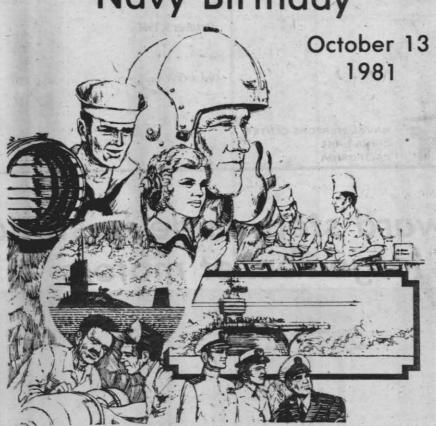
Visitors or local area residents can pick up their copy of the NWC guide and directory by looking up Mrs. Harrison in Rm. 2027 of the NWC Administration

The new directory was published by the Armed Services Press in Riverside.

Disneyland schedules federal employees' day

Unlimited use tickets priced at \$6.15 each are now on sale at the Community Center for those who wish to attend.

Navy Birthday



Since our last birthday, the Navy-Marine Corps team has continued in full measure to meet the challenges of a troubled world. Never before in peacetime and seldom in war have such extraordinary efforts and sacrifices been demanded of all of us. We are currently working virtually at our

Today, we are truly the cutting edge of U.S. national defense and foreign policy. Your professional response to these pressing requirements has been nothing less than heroic, a fact increasingly appreciated by a grateful nation. America, in renewing itself, now realizes the absolutely vital significance that seapower will play in our country's future. You of the Navy-Marine Corps team are that seapower.

We are now witnessing a much-increased and well-deserved acknowledgement of the prestige of our military professionals, a clear indication of a national awareness that freedom can be maintained only by remaining strong, proud and vigilant. We must all insure that we remain strong enough to resist Soviet intimidation, retain the ability to protect ourselves, and guarantee that the vital interests for our nation and of our allies are

I am very proud of you and I deeply appreciate the immense contributions and sacrifices that each of you and your families are making. Your outstanding devotion certainly warrants the fullest respect and admiration. The greatest satisfactions are often derived from the greatest toil. Happy birthday and best wishes to you all.

> John Lehman, Secretary of Navy

Military pay decision due . . .

raises for the Armed Forces averaging over 14 percent. The Senate's proposed pay measure was designed to encourage experienced officers and enlisted personnel to remain in the military service. To do this, it set up a sliding scale of increase ranging from 7 to 22 percent.

The Military Pay Bill voted upon by the U.S. Senate also would increase allowance for quarters and subsistence, hazardousduty pay, flight pay, and includes enlistment bonuses and special pay for diving

In its initial approach to the Military Pay Bill question, the House of Representatives called for a 14.5 percent pay increase to be applied across-the-board for all U.S.

The House version of the Military Pay Bill also favored doubling (from \$5,000 to \$10,000) the bonus paid to military personnel with crucial skills when they enlist or re-

White-collar (GS) Civil Service employees will begin receiving the 4.8 percent pay increase for federal government employees that was recommended by President Ronald Reagan with paychecks that will be issued on Oct. 23.

Those who are just entering the Demonstration Project (technicians mainly) will receive a straight 4.8 per cent pay boost, as will those who have been in the Demonstration Project too short a period of time to have received a rating.

The Rocketeer

Official Weekly Publication China Lake, California

Captain Jude Lahr NWC Commander

R. M. Hillyer Technical Director

S. G. Payne Public Affairs Officer

> Don R. Yockey Editor

Mickey Strang Associate Editor

Beverly Becksvoort Editorial Assistant



News Stories Tuesday, 4:30 p.m. **Photographs** Tuesday, 11:30 a.m.

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

Promotional opportunities

Applications (Standard Form 171) should be put in the drop box located at the Reception Desk of the Pe onnel Department, Bldg. 34. Unless otherwise specified in an ad, applications for positions listed in thi umn will be accepted from current permanent NWC employees only. All others desiring employment a IWC may contact the Employment-Wage & Classification Division, Code 092, Ext. 2069. Ads will run for one veek and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is pecified in the ad. Advertising positions in the Promotional Opportunities column does not preclude the use of alternative recruiting sources in filling these positions. The filling of these positions through Merit Promotion is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum lification requirements for all GS positions and positions subject to the Demonstration Project are those lefined in OPM Handbook X-118; those for all wage system positions are those defined in OPM Handbook X 18C. Applicants will be evaluated on the basis of experience, training, education, and awards as indicated in a written record consisting of a SF-171, at least one supervisory appraisal if it can be obtained, and any tests, medical examinations, interviews, and supplemental qualifications requirements that may be necessary. For managerial/supervisory positions, consideration will be given to applicant's support of the Equal Employment Opportunity programs and objectives. Applicants must meet time in grade and qualifications requirements by the closing date of the ad. The Naval Weapons Center is an Equal Opportunity Employer; ions are made without discrimination for any nonmerit reason.

This position is located in the Office of the Commander, Naval Weapons Center. The purpose of this position is to provide clerical support on an "as needed" basis to the Office of the Commander, Naval Weapons Center. Incumbent performs such duties as setting up meetings, naintaining all files; typing letters, memorandums, etc; pening, screening and routing mail; handling and controlling classified material; answering and screening phone calls; greeting and assisting visitors; screening unclassified messages. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute ming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare nontechnical reports; knowledge of filing systems and files gement; ability to meet the administrative needs of the office; ability to train clerical personnel and organize workload of clerical staff or processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conalong with 171. Supplemental available at 505 Blandy, Rm. 113 from Susie Cross.

ROCKETEER

ncement No. 0859, Secretary (Typing), GS-318-3/4, PD No. 7908067N, Code 0842 - (Part-time) - This position is branch secretary in the Operations Support Branch. Incumbent provides administrative, typing and clerical support to the branch head, other branch personnel, and the ATIPS Program Office. Responsibilities include preparation of official correspondence from rough drafts; receipts of visitors and telephone calls; preparation of time cards, travel orders and stubs; routing of incoming mail and visitors. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review outgoing correspondence; ability to compose correspon dence and/or to prepare nontechnical reports; knowledge of filing systems and files management; ability to maintain and coordinate supervisor's calendar and to arrange conferences; knowledge of Center organizations, functions and military/VIP protocol. Supplemental Qualification nent required along with the complete SF-171.

cement No. 31-030, Computer Clerk GS-335-4, PD No. 8131966, Code 3193 — This position is located in the Data Analysis Branch, Tactical Software Engineering Division, Aircraft Weapons Integration Department. The incumben provides data reduction services to computer scientists and mathematicians, in support of various departmen projects. Duties include logging flight and range data tapes, generating control data decks, key punching data decks, executing computer programs, and reporting results to customers. This position has promotion potential to GS-8; however, promotion to that level is not guaranteed. Job Relevant Criteria: Ability to operate a keyboard machine (typewriter, key punch, etc.); ability to follow written directions, procedures or systematic work methods; ability to work accurately with attention to

cement No. 31-031, Secretary (Typing) GS-318-5/6, PD 8031178, Code 3103 - Position is located in the Aircraft Weapons Integration Department, A-4M/AV-8B Program Office at NAF. Incumbent will provide secretarial support to the Program Manager and be responsible for effectively handling office operations. Job Relevant Criteria: Ability to perform receptionist and none duties; ability to review outgoing correspon dence; ability to compose correspondence and/or to are non-technical reports; knowledge of filing systems and files management; ability to meet the administrative s of the office; ability to train clerical personnel and organize workload of clerical staff or processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences. Supplemental Qualifications Statement is required and may be picked up at the

3 or Physicist, DP-1310-3, PAC 8133584E, Code 3331 - This position is located in the Surface Targets Fuze Branch, Fuze Systems Division, Fuze and Sensors Department. The branch is active in the design and development of a wide spectrum of Active-Optical, Radio Frequency, and microwave concepts and devices for air-to-surface proximity fuze systems. The incumbent is responsible for a specific project. His/her responsibilities include systems analysis; the selection and development of technical itions; and the fabrication and testing of demonstration hardware. Job Relevant Criteria: Knowledge and understanding of analog and digital electronic systems; basic understanding of optical and RF radar systems; effective in written and oral communication.

ncement No. 33-025, Computer Scientist, DP-1550-2/3 or Mathematician, DP-1520-2/3, PAC 8133586E, Code 3381 - This position is located in the Survivability Evaluation Branch, Survivability and Lethality Division Fuze and Sensors Department. The position is for a computer scientist to support aircraft systems survability evaluation program. The duties of the position include programming (FORTRAN), software management and upkeep, data assessment and management, and documentation. The position can include lology development and project management. Job Relevant Criteria: Programming skill; ability to

document programs and data assessment. Announcement No. 33-026, Aerospace Engineer, DP-861-2/3, Mathematician, DP-1520-2/3, Operations Research Analyst, DP-1515-2/3, Physicist, DP-1310-2/3, Compute Scientist, DP-1550-2/3 (interdisciplinary), PAC 8133585E, Code 3381 — This positon is located in the Survivability Evaluation Branch, Survivability and Lethality Division Fuze and Sensors Department. The positon is for a project engineer for aircraft systems management, performing

ouncement No. 00-019, Secretary (Typing), GS-318-4, and overseeing failure analysis on aircraft systems overseeing data assessment, and project documer project; ability to analyze; ability to communicate well

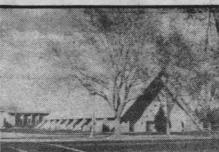
both orally and in writing. ncement No. 33-027, Electronics Engineer, DP-855-2/3 or Physicist, DP-1310-2/3 PAC NOs 8133520/8133521 Code 3313 (2 vacancies) - This position is located in th Radio Frequency Branch, Sensor Systems Divsion, Fuze and Sensors Department. The incumbent will serve as an electronics engineer/physicist and perform theoretica new concepts in RF mathematical modeling and antenna design techniques. Special emphasis is placed on RF scattering from air and surface targets and antennas mounted on such complex targets. Job Relevant Criteria: Knowledge of electromagnetic fundamentals, specifically EM wave technologies which employ both rigorous and knowledge in Physical and Geometric Optics, Geometrica Theory of Diffraction, the Method of Moments, and the

ncement No. 34-013, Secretary (Typing), GS-318-5, PD NO. 8134013N, Code 344 - This position is that of ecretary to the head, Graphic Arts Division, Technical Information Department, Incumbent performs a variety of secretarial duties, such as maintaining files; receiving all visitors and calls; typing correspondence; making travel ents; responding to requests for information concerning division functions; and other related secretarial duties. Job Relevant Criteria: Ability to perform recentionist and telephone duties; ability to review control, screen, and distribute incoming mail; ability to correspondence and/or to prepare non-technical reports: knowledge of filing systems and files management; ability to meet the administrative needs of the office; ability to train clerical personnel and organize workload of clerica staff or processes; ability to plan and coordinate travel supervisor's calendar and to arrange conferences. Sup plemental Statement Required along with 171. Sup plemental available in the Personnel Building Rm. 113, from Susie Cross.

856-2, PAC No. 8135593E54, Code 3553 - Position is located in the Electronic Warfare Threat Environment Simulation ECHO Range). Incumbent will be responsible for the pair, alignment, calibration and technical operation of one-of-a-kind "digital" radar systems. Job Relevant Criteria: Ability to maintain and operate radar systems knowledge of test environments similar to an EWTES facility; ability to maintain compatable electronic is terfaces; ability to utilize specialized test equipment (i.e.; integrated circuit analyzers, pedestal servo system analyzers, or network analyzers). Promotion Potential to

cement No. 39-029, Interdisciplinary (Super visory Electronics Engineer; Mechanical Engineer Physicist; Electronics Technician), DP-855; DP-830; DP 1320; DP-856-04, PAC No. 8039526E, Code 394 - T position is that of head of the Electro-Optics Division of the Weapons Department. The division designs, develops, and evaluates electro-optical (EO) guidance and target acquisition components, subsystems and systems. performs measurements and analysis of targets, backgrounds and transmission media in the optical spectral regions. The division provides EO technology and echnical management resources to the Center and other agencies. Job Relevant Criteria: Must have clearly demonstrated ability to supervise; must have experience planning and the allocation of personnel, financial and material resources; must be current in guided missile systems technology state-of-the-art with experience in providing technical management, review and present ations; must be familiar with the philosophy of operation and the weapons development/acquisition procedures of Systems Commands, OPNAV, and DoD; must have ability to understand and further management goals as these affect day to day and long-range work operations make adjustments to changes, and implement new plans and programs; interest in and support of the EEO program; knowledge of current electro-optical missile

(Continued on Page 7)



DIVINE SERVICES

PROTESTANT	
Sunday Worship Service.	1000
Sunday School	0830
ROMAN CATHOLIC	
Sunday Masses 0830	& 1130
Daily Mass (except Saturday)	1135
Sunday Religious Education Classes	1000
JEWISH	
Friday in the East Wing	1930

Sunday, Annex 95, as announced

GOLFERS WIN MEDALS - Jim Kincheloe (at left) and Dick Bauers placed first and second, respectively, in the senior division of the Mojave Desert Interservice League (MDISL) golf tournament held recently at the China Lake golf course. Kincheloe carded a 36-hole total of 158, which was 4 strokes ahead of Bauers, who had a 162. For their efforts, the two men received medals (shown hanging on ribbons looped around their neck). Golfers from eight military installations located as far apart as Los Angeles and Las Vegas competed in this MDISL event, which was won by the March Air Force Base team. — Photo by Don Cornelius

Results in youth soccer . . .

(Continued from Page 6)

on two more goals. Good play by Richard Stockin, goalie for the Boomers, held the Strikers to a single tally by Mark Burke.

Four goals scored in rapid-fire order turned what had been a scoreless game into a 4-0 win by the Thunders over the Drillers. Jason Branson accounted for 3 of the goals by the Thunders, with one more being added for good measure by Ralph Jorgensen.

Results of games played in Division 5 were Sounders 8, Roughnecks 2; Sting 4, Whitecaps 2: Diplomats 3, Kicks 2; Hurricane 2, Tornado 1; and Surfs 5, Rogues

The Roughnecks tallied one goal each in the first and second periods of play, but couldn't keep pace with the Sounders, who, after being held to a 1-1 tie in the first period, broke loose for 4 goals to take a 5-2 halftime lead. In the second half, the Sounders shut out the Roughnecks, while getting 3 more goals to post an 8-2 victory.

The scoring spree by the Sounders included 2 goals each by Brian Lindsey, Tony Haaland, and Barrie Riddock and penalty kicks by Tony Haaland and James Miller that added to the 8-goal total. Jeff Dufendach and Chris Johnson scored for the Roughnecks on assists from Scotty Robledo.

Two first quarter goals by the Sting cleared the way for a 4-2 win over the Whitecaps. Bobby Hudson got 3 of the 4 goals scored by the Sting, and Greg Burnes picked up No. 4. Whitecap goals were scored by John Duncan and Jay Rusciolelli.

Two of the league's better teams tangled in the contest between the Diplomats and the Kicks, with the nod going to the Diplomats by a score of 3-2. Both teams played well on defense, but it was Matt Ziegler's 2 goals combined with a single tally off the toe of Eric Wee that gave the Diplomats the 3 goals necessary to win. Goal scoring for the Kicks was handled by Matt Mechtenberg and Paul Lelis (1 each) - both on assists from Andy Corzine.

In another game between two wellmatched teams, the Hurricane edged the Tornado 2-1 on a pair of goals by Craig Rindt. Clint Caffee tallied the single goal scored by the Tornado - getting an assist from Greg Wetzel on the scoring play.

Three goals by Brian McCrary, combined with single tallies by Branon Peterson and Allen White, produced the 5-0 margin of victory for the Surfs over the Rogues.

In the Junior High Soccer League, the Monroe School Wildcats took over sole possession of first place by virtue of a 2-0 win last Saturday over the Murray School Kicks. Scores of other games played in this league were Tigers 4, Bengals 2, and Mustang 1, Strikers 0.

The Wildcats' victory was led by the 2goal scoring effort of Scott Piri, who tallied on a penalty shot in the first half and made a successful drive late in the game for another

Goalie Bobby Greene paced the Wildcats' shutout that also was aided by the fine game turned in by sweeper Roger Smith. Kim Moistner and Gary Guth were impressive in a losing cause for the Kicks.

A 3-goal, second half rally gave the Tigers a 4-2 win over the Bengals. The Bengals, who trailed 2-1 at halftime as the result of two scores by Daryl Silberberg of the Tigers, went on the prowl in the second half when Brian Collie, who had the only goal for the Tigers in the first half, tallied two more times, and Tim Wee added goal No. 4 for

Two Murray School teams, the Mustangs and the Strikers, had it out in a tense, defensive match that was won 1-0, by the Mustangs. The game-winning goal was scored on a shot by Sam Greenmum that

Childers, of the Mustangs, and Kenny possession of the ball until the final gun Sandberg, of the Strikers) played well. sounded.

Another 3-game series over 700 rolled Monday night by Premier League bowler

Another 700 series, this one by Earle series scores. The bowlers, and their in-Roby, highlighted Monday night's Premier (scratch) League bowling at Hall Memorial

Roby rolled games of 240, 278, and 211 as he logged a 729 series.

In this, the fourth week of play in the new season, the lead once again has changed hands and it is the Cocky Bull and Turner's Real Estate keglers who are tied for first place with won-loss records of 51-29.

The Raytheon Sidewinders, last week's leaders, dropped to third place as the result of coming out on the short end of a 13-7 score in a match with the fourth place Hideaway

When the dust had cleared after Monday's night's action, five Premier League bowlers had succeeded in coming up with triple 200

Burros nipped . . .

(Continued from Page 6)

points. The ball was held at the 15 making it a 25 yd. effort that increased the BHS lead to 13-6 with 21/2 min. left to play in the third

Fulton's leaping catch of a pass from quarterback Means had moved the Burros into-scoring position by gaining 18 yds. and a first down at the Saugus 16.

The Burros had one more chance to score in the third quarter, thanks to Jack Sturgeon's recovery of a fumbled Saugus pitchout that gave Burroughs the ball at the Centurions' 28 vd. line. Another field goal try, with the line of scrimmage at the Saugus 27, was out of Fulton's range, however, and the fourth quarter opened with Burroughs holding onto a 13-6 lead.

Highlight of the final period of play was the 70-yd. touchdown run by Bradshaw for Saugus. Coupled with a successful 2-point conversion, this play won the game for the

The Burros took to the air in the final minutes of the game in an effort to move the deflected off one of the players and into the ball, but a Saugus defender intercepted a pass with a minute left on the scoreboard The goalies for both teams (James clock and the Centurions retained

dividual totals, were:

Dick Reymore (203, 205, 268 - 676), Mark Barkemeyer (219, 205, 239 - 663), Chuck Albright (205, 247, 201 - 653), Jeff Mattick (216, 225, 206 - 647), and Chris Peterson (200, 227, 211, -638)

In addition to those already mentioned, bowlers who topped the 600 series mark, and their scores, were: Tracy Brandt (666), Ken Dalpiaz and Chuck Rouland (652), Pat Nalley (636), Chuck Cutsinger (634), Dave Vander Houwen and Glenn Collins (622), Dick Schweitzer (628), Rob Shuttleworth (614), Mike Dowd (610), Bob Branson and Bob Wallace (605), and Roger Rivest (602).

Bowlers with individual game scores of more than 220 were: Dalpiaz (263), Cutsinger (259), Brandt (258, 236), Rouland (244, 224), Schweitzer (236, 225), Branson (235), Nalley and Wallace (234), Will Levy (233), Jim Dillon, Ed Donahue, and Shuttleworth (230), Collins (228), Shane Graham (226), Lynn Potter (224), Aaron Kane (222), and Rivest and Vander Houwen (221).

This weekend good time to try luck fishing at Isabella

The upcoming three-day weekend would be an ideal time to head to Lake Isabella in

The bigger bass are once again biting, and fishermen who are skilled at luring the wilv bass can catch some big ones. The record for bass was broken last month, with a lunker in excess of 13 pounds being pulled in - a fish nearly 2 pounds heavier than the previous record.

The big bass can best be caught from a boat, but many smaller bass in the two pound range are being caught from shore.

The big channel catfish are again starting to bite. Best catfishing is done at night using worms, clams, mackerel, or anchovies (or some of the weirder bait that is supposed to be irresistible, such as stink bait).

It's still too hot for the trout in Lake Isabella to be very hungry, but bluegill are biting readily all around the lake.

-Promotional opportunities

No. 39-030, Mechanical Engineerin

Technician, DT-801-2, PAC No. 8139606E, Code 3921 - This position is located in the Weapons Control Branch of the Weapons Development Division of the Weapons Department. This position assists more senior technicians and engineers in the design of mechanical components to weapons. This position is concerned with the mechanical packaging of electrical and electronic components of oons systems, the design of test fixtures, as well as the design and conduct of tests of mechanical components items, and systems in the laboratory and in the field Job Relevant Criteria: Knowledge of test procedures as they relate to testing of mechanical components; ability to mechanical packaging techniques; knowledge of the mechanical and thermal properties of workable metals.

Announcement No. 39-031, Electronics Engineering

Technician, DT-856-2, PAC No. 8139610N, Code 3924 — This position is located in the Electronic Systems Branch, Weapons Development Division, Weapons Department. The position assists in the design, construction, packaging. and test and evaluation of electronic subsystems used on tegrates specialized instrumentation circuitry as required to support test and evaluation of subsystems/systems. Job evaluate missile guidance and control systems/subsystems; ability to test experimental models including the billity to develop valid test procedures; knowledge of electronic components, basic circuit theory, mathematics and electronic test equipment; knowledge of military

ouncement No. 39-032, Secretary (Typing), GS-318-4/5, PD No. 8239004N, Code 3908 - This position is located n the Sparrow Program Office, Weapons Department. There are two secretarial positions in this ofice, which share responsibility for providing all secretarial support equired. Duties include, but are not limited to: typing and editing of hand-written drafts and providing proper distribution; receiving and directing visitors and phone calls; receiving and distributing incoming mail; preparing forms; making travel arrangements; preparing meeting agendas; making viewgraphs; maintaining files viewing incoming correspondence for signature to ensure proper format; maintaining calendars; maintaining office supplies; sending and receiving on telecopier nachines; serving as key operator for copy machines as required. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute incoming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability

train clerical personnel and organize workload of clerical staff or processes) ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences. Supelemental Qualifications Statement required along with the complete SF-171.

Specialist, GS-301-7, PD No. 8006004, Code $064-{\rm Temporary}$ not to exceed one year. Permanent duty station is Edwards AFB. This position coordinates the scheduling of R-2508 airspace and range requirements of users from Edwards AFB, George AFB, NWC, Ft. Irwin and other activities. The R-2508 California restricted area and the underlying restricted areas are the major restricted areas used for Research, Development, Test and Engineering by the Navy and Air Force. Job Relevant Criteria: Know of air traffic control equipment; knowledge of FAA Air Traffic Control equipment and procedures; ability to understand and interpret policies and regulations in a real

uncement No. B-64-6, Model Maker, WG-4714-14, JD 806N, Code 6422 - This position is located in the Test Vehicle Shop, Test Support Branch, Test Engineering Division. Parachute Systems Department. The primary purpose of the Test Vehicle Shop is to fabricate, modify, repair and install various devices and prototypes in support of the parachute testing at Naval Weapons Center Incumbent will fabricate sheet metal parts, assemblies and specialized equipment of an experimental or prototype nature for fabrication, repair and modification of air test vehicles, parachute test vehicles and airborne launching platforms in support of RDT&E projects. Job Relevant Criteria: Ability to perform model maker functions thout more than normal supervision; ability to plan, layout, set up, assemble and test sheet and plate metal fabrications from verbal instructions and rough sketches; thorough knowledge of welding and metallurgy to adapt to the requirements of the project; knowledge of pertinent

cement No. B-64-7, Administrative Officer, GS-341-11, PD No. 7964001E, Code 64 - This position serves as head of staff for the Parachute Systems Department. Incumbent will develop management procedures and reporting methods to meet NWC and prime sponsor requirements. Position also provides the full range of support services to the department in the areas of space sources, facilities, personnel, contracts, supply. security, procurements, and financial reports. Job Relevant Criteria: Knowledge of Administrative functions such as budget, personnel, contracts, supply, facilities planning, space, plant account, collateral equipment surplus equipment, security; ability to exercise sound judgement and maintain a cooperative work environment between the department and other organizational levels

effectively both orally and in writing; knowledge of the Navy budgetary process. Announcement No. GC-857, Assistant Golf Course

Superintendent, UA-1601-5/7/9, \$15,193 per annum plus ful benefits, Recreational Services Department, Code 221. Golf Course - This is not a Civil Service position. This position is located at the China Lake Golf Course. The incumbent is the assistant to the Golf Course Superintender maintenance program for the course and in the supervision of golf course employees. Utilizes established agronomic practices to improve and maintain turf and playing condition of the course, which includes greens, tees fairways, roughs, traps, trees, driving range, chipp and putting green. Performs soil tests and directs the ap fungicides. Job Relevant Criteria: Ability to develop gol course improvement plans and maintenance plans; ability to prepare budgets; ability to supervise and deal e agronomic practices to improve and maintain turf; ability to set up equipment maintenance programs; knowledge of golfer's needs and interests. This ad will remain open until position is filled. To apply for all non-Civil Service positions, submit a completed SF-171 to Room 100, 505 Blandy, Personnel Department building. Announcement No. 3646 - Supervisory Elec

tronic/Mechanical Engineer, DP-855/830-4, PAC No. 8236500E, Code 362 — This position is that of head of the Systems Engineering Division, Engineering Department. The Systems Engineering Division provides engineering review, analysis, design, test and evaluation, production ring services and fleet and field support to facilitate the transition of weapon systems or components from development into production. The division supports the systems or components through production and fleet service phases and assists in product improvement sibilities and laboratory support are in the fields of electronics and mechanics, optics, infrared systems processes. The division also staffs and operates com prehensive laboratories for conducting engineering, ap plied research, development and testing of materials and components. The incumbent is responsible for the suc cessful transition of hardware from development production. Manages a division of six branches with approximately ninety technical personnel. Job Relevan Criteria: Experience in managing R&D, T&E, and production engineering functions for missile systems; R&D and production engineering experience in the area of missile guidance and related technology; ability to supervise large work force through subordinate supervision; understanding of the material acquisition process; and support of EEO principles.



Results reported of Haugen Memorial **Tennis Tournament**

The Gary Haugen Memorial Tennis Tournament, hosted by the China Lake Tennis Club, drew 217 entries for last Saturday and Sunday's event. Proceeds from the entry fees for the tourney go toward a scholarship fund for an outstanding local student who plays tennis.

The tournament is held in memory of Gary Haugen, who died of leukemia in 1976 at the age of 19.

Each of the singles events drew players in three skill levels - A, B, and C. The range of skill levels is broad enough so that everyone who hefts a racket would be able to take part and enjoy competitive playing at his or her own capability. Doubles play was limited to A and B divisions

Competition in the men's singles included thrilling play that saw, in Division A, Mitch Bridge of Ridgecrest defeat Chuck Stoll of Palmdale 7-5, 6-2. Ben De Jesus of Los Angeles defeated Ralph Alvarado of Ridgecrest 6-2, 7-5 to take the Division B championship, while Brett Martin of Palmdale defeated Joe Young of Palmdale 4, 6-4 for the Division C title.

In the men's doubles, Chuck Beatty of Bakersfield (who used to lead the Burroughs tennis squad when he was a student here) and Van Ribulton (also an ex-Burroughs star) teamed up to beat Chuck Stoll and Bill Bonds 6-2, 5-7, and 6-4. The father-son team of Billy and Lance Campbell from Trona defeated Morris Scharff of Ridgecrest and Ron Peck of Los Angeles 7-6, 7-5, in a thriller to take the Division B doubles title.

Robin McRae of Mammoth took the Division A crown in women's singles by defeating Lynne Hanford of Bishop 6-2 and 7-5. In the Division B match, Maureen Walsh of Mammoth beat Karen Kirkendall of Ridgecrest 6-1, 6-3. In the Division C championship match, Lilia Cudiamat of Los Angeles defeated Joyce Markarian of Ridgecrest 6-2, 6-3.

Michelle Archuleta of Ridgecrest and Cathy Samson of San Luis Obispo beat the Ridgecrest team of Ruth O'Neil and Suzanne Haney 6-4, 6-1 to take the women's Division A title, while in the Division B, the Ridgecrest team of Charlene Newmyer and Ellen Davidson beat the duo of Marla McBride and Pat Burmeister 6-0, 6-3.

Chuck Beatty teamed up with Tracy Mc-Nair of Bakersfield to win the Division A mixed doubles by beating Brett Halpin and Cathy Samson 6-0, 6-2. It took three sets for Morris Sharff and Sharon Banister of Ridgecrest to win the Division B mixed doubles title by defeating the Mammoth team of Maureen and Craig Walsh.

10 kilometer run set Saturday by

Over-Hill Track Club A 10-kilometer cross country run, spon-

sored by the Over-the-Hill Track Club, will be held tomorrow. Registration will take place at the Center

gym, starting at 8 a.m., and the race will get underway at 9 o'clock.

Dave Rugg, the race master for the cross country run, has selected a new and challenging course - part of which crosses a dry lake bed and takes the runners up around the Center stables area, before circling back by the China Lake golf course and heading for the gym.

There is an entry fee of \$3 per person. Winners in each age group will be presented various curios from Tijuana for their efforts.

Burros gridders drop 14-13 thriller to Saugus

ROCKETEER

Burroughs High School's varsity football team, losers to the Saugus Centurions by the scant margin of a single point (14-13) in the Golden League season opener at home last Friday, will tackle the rugged Canyon Cowboys in their second game of the 1981 league season.

Kick-off time for the varsity clash is tonight at 8 at the Canyon High gridiron. A preliminary game between the Burroughs and Canyon sophomore squads will get underway at 5:15.

The Burros put the "foot" back into football last Friday night in the Saugus game - getting seven points on two field goals and a PAT by Scott Fulton, the BHS tight end on offense, who handles kick-offs, punting chores and field goal tries.

The Burros increased a 10-6 halftime lead to 13-6 on field goal No. 2 by Fulton in the third quarter, but midway through the fourth period of play a 70-yd. sprint down the sidelines by Robert Bradshaw, stellar ballcarrier for Saugus, turned out to be the game breaker for the Centurions.

Burroughs still led 13-12, but Brian Hicks, Saugus quarterback, flipped a short pass to tight end John Brooks in the end zone for the 2-point conversion that turned out to be the difference between victory and defeat.

The Burros spotted their opponents a touchdown in the opening minutes of the first quarter - allowing the Centurions to put together a 68-vd. drive for a score after receiving the opening kickoff.

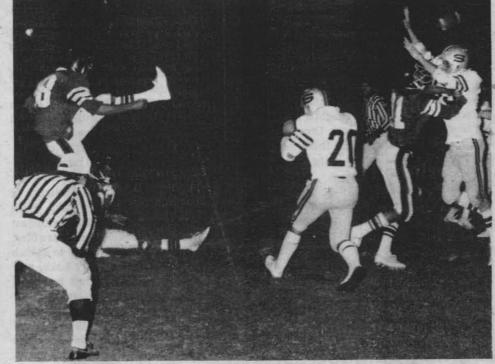
The drive opened at the Saugus 32 yd. line with a pass from quarterback Hicks to Steve Potter, wide receiver, that gained 16 yds. After that, the Centurions kept the ball on the ground as Bradshaw and Randy Hansen alternated at ripping off chunks of real estate. Seven plays later, Hansen plunged over from the 2 and, when the try for the PAT was blocked, Saugus led 6-0 with just a little more than 3 min. of playing time

Far from crumbling, the Burros mounted an offensive thrust of their own that carried from the Green and White 40 yd. line to the Saugus 4 yd. line before running out of gas when two successive passes fell incomplete in the Centurions' end zone.

Key plays in this long drive by the Burros were a pass from quarterback Danny Means to Troy Shull, wide receiver, that gained 17 yds. and a first down on the Saugus 31, and a sideline pass caught by James McAlpin that picked up 21 yds. and a first down at the visitors' 8 yd. line.

The first quarter ended with Saugus punting from its own end zone and the Burros getting possession of the ball in good field position on the Centurions' 45. The Burros were threatening to score three plays later when Means passed to Fulton for a gain of 17 yds. and a first down at the threat, however.

game for the Burros.



CHALK UP 3 POINTS — Scott Fulton boots the first of two successful field goals for the Burroughs High varsity football game against Saugus. Fulton also added a PAT to go along with his field goals as he accounted for 7 of the local team's 13 - Photos by Don Cornelius

The breaks evened out when, with 31/2 The visitors were hit with a roughing-themin. left to play in the first half, Mike Garrett pounced on a Saugus fumble at the Centurions' 22 yd. line. Unable to move the ball beyond the Saugus 15, the Burros got their first 3 points of the game on a field goal by Fulton. It was a 31-yd. effort, with the ball being spotted at the Saugus 21.

Moments later Fulton was in the right place at the right time to recover the fumbled kickoff that followed his field goal. This gave Burroughs the ball at the Saugus 37 with about 21/2 min. to play before the half

passer penalty that resulted in a first down at the Saugus 20, and from there Antonio Dobbins, BHS fullback, ripped off a 16-yd. gain to the Centurions' 4. Two plays later. Dobbins skirted left end for a touchdown, Fulton added the PAT on a kick and the Burros led 10-6 as the first half came to a Fulton's second field goal of the night split

the uprights in the third quarter when the Burros got as far as the Saugus 9 with fourth down and 3 yds. to go and decided to try for 3

Derek Brown chipped in the only goal for

the Fury in its 1-0 victory over Sunshine, and

In a fast-moving game controlled by the

In Division 3, the Blizzard team shut out

single score in their win over the Chiefs.

Youth soccer teams roll through another 20-game slate Saturday

Ideal weather conditions coupled with lots Games played by Division 2 teams of action made for an excellent second resulted in wins by the score of 1-0 by the weekend of play last Saturday in the 1981 Fury and Apollos over the Sunshine and fall season of Youth Soccer League com- Chiefs, respectively, while the Express shut

Results of another 20 games went into the record books in daylong action at Schoeffel and Davidove Fields, as well as at a third Ted Mechtenberg accounted for the Apollos' playing field on the Murray Junior High

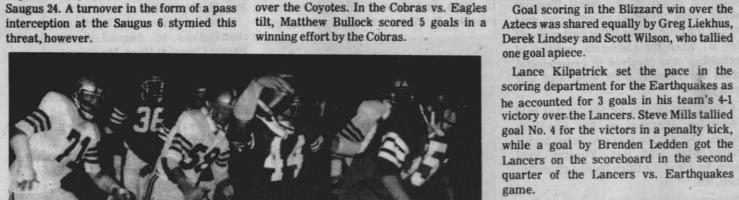
In Division One, the Owls and Cobras Express. Dirk Hartman tallied twice rolled over the Coyotes and Eagles by (getting assists from David Bartels and J. identical scores of 5-0, while the R. Miller), as the Express downed the Roadrunners and Hawks battled to a

Two goals each by Mike Matson and the Aztecs 3-0, the Earthquakes shattered Darrell Eddins, along with 1 by Tommy the Lancers 4-1, and the Cosmos edged the Mather added up to a 5-0 shutout by the Owls Sockers 3-2. winning effort by the Cobras.

OFF AND RUNNING — Antonio Dobbins, halfback for the Burros, cuts behind the

blocking of Tom Fortney as he picks up a gain in the Burroughs vs. Saugus varsity

tilt that was won 14-13 by the visitors. Dobbins tallied the only touchdown in the



Rowdies 2-0.

out the Rowdies 2-0.

In a well-played game, the Cosmos pulled out a 3-2 win over the Sockers. Chad Bass, Brian Perez and John Johnson tallied one goal each to enable the Cosmos to earn a hard-fought victory. Both of the Cosmos goals were tallied by Shawn Hamilton.

The Timbers came up with a pair of firsthalf goals by Dave D'Anza and Will Freeman, and then held off the Atoms throughout the game to post a 2-0 win in their Division 4 contest. Scores of other games in this division were Boomers 3, Strikers 1, and Thunder 4, Drillers 0.

Good teamwork on offense was instrumental in the 3-1 win by the Boomers over the Strikers. Ed Duniphin scored first for the Boomers and Jeremy Osburn tacked (Continued on Page 7)



4 DECADES OF SERVICE - Capt. Jude Lahr holds a folder that encloses the certificate which accompanied a 40-year Federal length-of-service pin presented recently by the Skipper to Rex L. Smith. — Photo by PH2 Benita Tetreault

40-yr. Federal length-of-service award presented to Rex Smith

was presented recently to Rex L. Smith, a Ordnance Laboratory in Corona, Calif. chemical engineer in the Elec- During what turned out to be a 9-year stint tromechanical Division of the Fuze and

October 9, 1981

The pin and certificate that accompanied it were given to Smith by Capt. Jude Lahr during a ceremony held in the Skipper's

career in August 1941, right after receiving a BS degree in chemistry from West Virginia Wesleyan College in Buckhannon, and attending a special summer course on explosives held at the University of West Virginia.

From a temporary civilian job with the Army Quartermaster Corps in Morgantown, W. Va., where a synthetic ammonia plant was being built, Smith transferred in December 1941 to the Army Ordnance Department's New River Ordnance Plant in Pulaski, Va.

Along with the transfer he received a promotion to the job of assistant inspector for powder and explosives.

For more than two years (April 1942 to June 1944), Smith was employed at the Department of the Army's Radford Ordnance Works in Radford, Va., before joining the Navy as an enlisted man. Trained as a hospital corpsman, most of Smith's active duty service in the Navy was at the Training Stations at Great Lakes, Ill., and at San Diego, Calif.

REHIRED AT RADFORD

Following his military service, which ended in May 1946, Smith was reemployed briefly at the Radford Ordnance Works but, since it was being closed, was reassigned to the Ballistic Research Laboratories at the Aberdeen Proving Ground in Maryland.

His job at Aberdeen involved Smith, who was employed as an aerodynamist, in studies of the exterior ballistics of projectiles and bombs.

In the spring of 1948, Smith joined the Civil Service work force at the Naval Ordnance Test Station, Inyokern (forerunner to NWC), as a chemist. His work here, initially with the Explosive Department, involved the 40-year pin recipient with work in Area 1957. R on the Liquid Aircraft Rocket.

Propellants and Explosives Department (old Code 40), Smith remained here - Squadron (VMF) 451. This tour of duty working on rocket motors, pyrotechnics, included squadron deployments to Japan and explosives for the 2.75-in. rocket until



A 40-year Federal length-of-service award February 1961 when he moved to the Naval

at Corona, Smith's job title was changed to chemical engineer and he worked on the fuze section of different versions of the Sidewinder missile, and was active in the Walleye program and on the Bullpup

Smith began his lengthy federal service Consolidation in the latter part of 1970 of the Corona Laboratory and the Naval Weapons Center brought Smith back to China Lake as an employee of the Fuze Department, and he has remained here ever

Most recently, his work as a chemical engineer has been with the explosive train for the mechanical fuze on the Harpoon missile. He has worked on, co-authored and received patent awards for a number of inventions. He is the the holder of seven patents, and three or four more are pending.

One of Smith's patents is for an electric squib initiator for the 2.75-in. rocket. This same device is used almost universally on nearly all Navy rockets.

The Skipper sez



All China Lakers, including military personnel, civilian employees, and their dependents are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. Jude Lahr. Please call NWC ext. 2727 with your question, and state whether you are a military member, civilian employee, or a dependent. No other identification is necessary. There is no intent that this colum be used to subvert rmal, established chain-of-command channels.

QUESTION

China Lake Resident - In the Sept. 18 Rocketeer you said the Center would be getting a new phone book. Could the residents please have a copy? It is very difficult to do business with Housing, Public Works, or even our own husbands sometimes because we don't have a phone book. My latest edition is July 1977, obviously this is very much out of date. It wastes money for me to make five calls to five different people to get one person. Thank you.

The NWC Telephone Directory is considered official Government property and is not published to serve the NWC housing area. Six thousand copies will be distributed to employees. It is not economically feasible to expect the base to provide additional directories to private residents. If the base started distributing directories to Center residents, then we would be required to distribute them to the households of all NWC personnel which would triple the cost of the directory for the base. The NWC Information Switchboard is manned from 7:30 a.m. to 4:30 p.m., Monday through Friday, specifically to provide base telephone numbers to anyone requiring assistance. Remember, government phones are to be used for official business only. Furthermore, NWC residents are in the local dialing area, and are not charged for calling the base.

Cooler weather drives burros closer to runways at airfield

last May in U. S. District Court, Fresno, the Naval Weapons Center informed attorneys for the Animal Protection Institute, Friends of Animals, and Animal Rights, Inc., last Friday that 36 burros had been counted in an area about 7 miles north of the main runway at Armitage Airfield and that the animal groups had until today to decide whether they wished to remove the burros.

If the animal groups do not present a plan to the Navy today for removal of the burros, the Navy will then decide what should be done with the burros. Alternatives include

Two emergency reductions were carried out last March to protect the lives of aviators using Center runways. A total of 648 burros was shot by civilian sharpshooters operating in a 275-square-mile area requirements of the National Enof the inner test ranges. The team of vironmental Policy Act.

Under terms of a court agreement made sharpshooters functioned under the technical supervision of a Navy civilian natural resources specialist.

The Navy complied with all federal environmental and legal requirements that apply to the Center on the two emergency reduction programs, but three animal rights groups took the Navy to court to halt further

An agreement was reached in court that the Navy would notify the attorneys for these groups five days in advance of any action taken against burros in the inner test range area.

This agreement will be in effect until the Navy's long term burro management plan is announced later this fall. The plan has been developed by professional animal population specialists under the

Col. Tyler serving as Marine Liaison Officer

Corps Liaison Officer at the Naval Weapons 314 based at Da Nang and in Chu Lai.

The new Marine Corps Liaison Officer was transferred to China Lake from Washington, D.C., where he served in the Office of Naval Operations as the Marine Corps Liaison Officer for Rear Admiral Paul McCarthy, OPNAV's Aviation Plans and Requirements Officer.

Col. Tyler's active duty career in the Marine Corps began at the Basic School of Officers in Quantico, Va., following his graduation from Annapolis, and he then embarked upon flight training, which he completed at Chase Field in Texas in June

From Texas, Col. Tyler continued west to One of the original employees in the the El Toro Marine Corps Air Station in Santa Ana, Calif., where he joined Fighter and Taiwan.

He also served with Attack Squadron (VMA) 121, based at El Toro, prior to being transferred to Camp Lejeune, S.C., where he served as air officer for the 3rd Battalion of the 2nd Marine Division's 8th Marine Regiment. His unit, Col. Tyler recalled, was afloat in the Caribbean during the Cuban

Col. John Tyler, a graduate of the U.S. 1966 through April 1967), Col. Tyler flew F-4 Naval Academy Class of 1955 and a veteran aircraft on more than 200 close air support of 26 years of active duty in the Marine missions for the Marines in I Corps, while he Corps, has taken over the duties of Marine was a member of Fighter Attack Squadron

After this experience in Vietnam, the new Col. Tyler replaces Col. E. D. (Ed) Smith, Marine Corps Liaison Officer at NWC who has retired from the Marine Corps and spent a year assigned to the is making his home in the Ridgecrest area. Command Center of the Fleet Marine Force



Col. John Tyler Pacific on the Island of Hawaii before returning stateside to attend the Test Pilot School at the Naval Air Station Patuxent River, Maryland, from June 1968 to March

While at Pax River, he was involved in some of the initial tests of the AV-8A Harrier aircraft - experience that was to prove valuable later when, in October 1975, he During a part of the Vietnam war (March assumed the duties of Commanding Officer

of Marine Attack Squadron 231, a unit based at Cherry Point, N.C. This unit flew the Harrier aircraft and had the distinction of being the first squadron of Harriers to be deployed aboard an aircraft carrier (the Franklin D. Roosevelt), and the first such unit to be integrated fully with a Carrier Air

Upon graduation from Test Pilot School in the spring of 1969, Col. Tyler remained at NAS Patuxent River for two years in the Ordnance Branch of the Weapons Systems Test Division.

Then it was back to flying F-4s again for Col. Tyler during a year-long assignment with Marine Air Group 15 operating from bases in Japan, Vietnam and Thailand.

His assignment with MAG 15 was followed by a 2-year tour as Executive Officer of the Marine Barracks at the Naval Base in Philadelphia, Pa., in preparation for duty as Commanding Officer of Marine Headquarters Squadron 2 — a part of the Second Marine Aircraft Wing based at Cherry Point, N.C.

Another squadron command at Cherry Point NAS — this time with VMA Squadron 231 (the Harrier group mentioned earlier) preceded Col. Tyler's transfer to OPNAV in Washington, D.C., and his subsequent move to China Lake.

Col. Tyler is accompanied to NWC by his wife, Alice who, (like him) is a native of Swarthmore, Pa. They have three sons. Matthew, who is 20, is a junior at Virginia Polytechnic Institute and University; William, 18, is a senior at Burroughs High School; and John 8, is a third grader.

AD2 Jerald Brooks singled out as Sailor of Month by VX-5

around and it's great place for running."

As Sailor of the Month for August, Petty

Officer Brooks received a letter of com-

mendation, a VX-5 plaque with his name

inscribed upon it, a 72-hour weekend pass.

Monday.

Facility

New stand facilitates rocket motor tests . . .

Many Naval Weapons Center personnel

are playing a part in the work that went into

development of the 50-degree test stand and

its continuing operation during the Polaris

second stage motor tests. Key personnel

Odell Braun and Lennie DeAngelis, the

engineer-technician team, who designed the

test stand and directed its construction;

John Rogerson, who is responsible for the

dynamic, real time X-ray work, and Ed

Regan, the test engineer. All are employees

of the Ballistics Test Branch (Code 6211),

The meticulous task of installing cabling

and equipment in the instrumentation

bunker was handled by technicians Fran-

developed during static firings of rocket Range Department's Instrumentation agreement between the U.S. and Great

headed by Roy Johanboeke.

recirculated gasses, steam and dust that are cisco Felix, Pat Curran and Dale Metz of the

motors in a vertical 90-degree nozzle down Branch (Code 6213), headed by Bill Francis Britain.

Aviation Machinist's Mate Second Class "because I can play softball here all year Jerald Brooks has been selected as Sailor of the Month for August by Air Test and Evaluation Squadron Five.

He is assigned to the Line Shack where he inspects the work done by about 40 personnel, records times and checks on aircraft and a month free of duty. He also received a movement to make sure that all flights are reserved parking space at Hangar I for a

AD2 Brooks came to VX-5 in September 1979 fresh out of "A" School at Millington, Tenn. His rapid promotion to his current rate is due in part to a lot of prior military experience - before he enlisted in the Navy, he had spent more than 13 years in the Army, serving as a sergeant first class.

Originally when he enlisted in the Army from college he tried to get into a band - his father is a musician - but got sent to the infantry instead. He served two years in Vietnam, and divided the rest of his service time between being stationed in the Republic of Panama and being stationed at Ft. Hood in Texas.

An increasing interest in aviation led him to finally consider getting out of the Army completely and enlisting in the Navy, which promised him a chance to get into the line of work that he wished. "A person's chance to learn is much better in the Navy than in the Army," AD2 Brooks says, adding that he is very pleased that he made the switch.

His wife Mercedes, whom he met while he was an exchange college student in Panama from Miami University of Florida, was a little doubtful about the switch from Army to Navy, but is now happily a Navy wife. They are the parents of five children: Lourdes, 21; Mercedes, 20; Pedro, 15; Jerald, 9; and Annabell, 8.

AD2 Brooks was delighted to be sent to California, hoping to get back to the beach; he grew up in Seaside, Calif., which is adiacent to Monterey

"The desert's O.K., though," he says,

(Continued from Page 1)

liner/insulator bond during firing, and

other rocket motor characteristics. The

Skytop test area is the only place in the U.S.

that has the capability of performing this

The test stand was completed and the first

firing successfully conducted in November

1980. There have now been five static firings

of the Polaris second stage motor and three -

more are planned in this current test series.

The 50-degree angle of the test stand

provided an added advantage in that gasses

created by the propellant burn were

deflected out and away from the rocket

motor. This has made possible vastly im-

proved photographic coverage in com-

parison to trying to take photos through the

kind of sophisticated test work.

Be on lookout for ticks; take special care removing them

ROCKETEER

Rec facilities open on holiday

The following hours of operation will be observed by business and recreational

facilities at the Naval Weapons Center during the Columbus Day holiday on

Bowling Alley and Snack Bar..... 12 noon to 11 p.m.

Gymnasium......11 a.m. to 6:30 p.m.

Skeet and Trap Range.....8a.m. to 12 noon

Navy Exchange Mini-Mart 10 a.m. to 7 p.m.

(who has since retired).

test stand deluge system.

The Public Works Department's Range

Maintenance Crew (Code 26453), headed by

Artie Blackston, did an excellent job of

constructing the 50-degree test stand,

assisted by employees of the PW Trans-

portation Operations Branch (Code 2678).

Outside machinists from the Ordnance

Systems Department's Processing Support

Branch (Code 3253), were involved in in-

stallation of the water system used for the

Testing of the Polaris rocket motor is

being done by the Naval Weapons Center for

the Strategic Systems Project Office. In-

terested observers have been British

propulsion scientists and Naval officers

whose ballistic missile submarines are

currently armed with Polaris missiles. The

test work is being carried out under an

Facilities not listed above will be closed all day Monday.

The tick season is once more here.

Most of the ticks found in the Ridgecrest-China Lake area are the American dog tick (Dermacentor variabiles). This tick is a vector to humans of Rocky Mountain spotted fever and tularemia, as well as being a common cause of tick paralysis.

It is commonly found on dogs and man, but seldom found in homes unless carried in by a dog on which it is feeding and from which it drops to seek a hiding place.

Ticks usually become attached around the hair line, in the hair, or where tight-fitting clothing comes in contact with the skin. The steady pull that will not break off the tick's drawer of a desk. mouth parts and leave them in the wound.

While there is no certain way to ensure that a tick will detach its mouth parts. covering the tick with vaseline or fingernail polish will usually encourage the tick to back up. After anything from 10 minutes to a half an hour, the tick will have withdrawn its mouth parts and it can be removed with less damage to the skin.

An antiseptic should always be applied to tick bites just as to any open wounds. If hands have touched the tick during its removal, they should be washed with soap and water, since tick secretions may be

Police reports . . .

Theft of a government-owned calculator was reported Monday to China Lake police by an employee in the Supply Department's headquarters building.

The calculator disappeared from atop a desk in a room that the occupant stated

BURGLARY AT BEQ-3

A burglary of one of the rooms in BEQ-3 occurred sometime over the past weekend and was reported Monday by the victim, who lost \$100 in cash

The money (five \$20 bills) had been left in simplest way to remove them is by a slow, an envelope that had been placed in the top

SILK FLOWERS SNITCHED

A bouquet of silk flowers, valued at \$21 disappeared sometime last week from the desk of a Supply Department employee who works in the building at 515 Blandy Ave. The theft was reported last Friday to China Lake

GOV'T JEEP STOLEN

A government-owned jeep disappeared last week from its parking place in the Public Works compound and has been

The jeep, a 1965 model, was taken sometime between Sept. 29 and 30, and the incident was reported on Oct. 1 to China Lake police. Whether or not the key had been left in the ignition of the vehicle is not

CAMPING GEAR TAKEN

Camping equipment valued at \$345 was stolen from a vehicle left in the parking lot behind the local Branch Medical Clinic of the Navy Regional Medical Center.

The owner of the car returned after a month's leave to discover that, although the doors were locked, entry had been gained through a wind wing that had been left open.

Reported missing from the car, a 1975 Plymouth Duster, were a back pack, field jacket, camp stove, compass, and a knife.

FIRE EXTINGUISHER GONE

A fire extinguisher worth \$55 was removed from its storage place in the north hallway of BOQ-A, according to a report filed last week with China Lake police. Entry way into the building is not locked.

TWO BICYCLES DISAPPEAR

Thefts of two bicycles were reported Tuesday to China Lake police.

In the first incident, a bicycle disappeared from the front porch of the residence at 1616 Hussey Rd. A chain secured by a lock had been run from the bike frame through the rear wheel spokes, but the thief was able to pick up the bicycle (valued at \$150) and walk off with it.

A bicyclist who was visiting a friend at 228 Shangrila Circle on Tuesday afternoon, left his two-wheeler unlocked on the front lawn. When he returned for the bike, it was gone. alue of the missing bicycle was set at \$120

VEHICLE DAMAGED

A report of vandalism involving a motor vehicle was reported Tuesday to China Lake police by the vehicle owner, who left the machine parked outside his residence at 430 Ashworth Place. The vehicle's radio antenna was broken off and paint was chipped off the front quarter panel of the car. Damage was estimated at \$50.

Dr. Kutchma...

(Continued from Page 1) Science Foundation Fellowship in Dynamic Computer Modeling in 1971.

He holds both a bachelor's and a master's degree from Lehigh University in Bethlehem, Pa., and a doctorate from the University of Colorado at Boulder. His experience includes teaching economics, operations research and statistics at the university level. Dr. Kutchma is also a certified ski instructor, and holds a patent on a ski teaching device.

He and his wife, Barbara, are the parents of Christy, 14, Julie, 13, and Sandy, who is 5.

Dr. Kutchma's favorite off-duty activities include, besides skiing, playing tennis and working with microcomputers.

Prospects look good for fishing over this long holiday weekend

The water is clearing well now after being Twin roiled up as the result of recent earthquakes fine weekend to enjoy the glorious fall weather in the Owens Valley and north by catching a limit of trout.

Not all fishermen will be as skilled - and as lucky - as the one who caught a 12-lb., 3- also good for still fishing with cheese and oz. trout from shore at Rock Creek Lake using a nightcrawler. Other fishermen at Rock Creek Lake have been doing well with red salmon eggs and worms.

To the far north in the Bridgeport area, Upper and Lower Twin Lakes have been producing good catches of pan-sized rainbow trout caught on Zeke's floating bait and cheese, while a couple of 4-lb. brown trout found Rapala lures irresistible in Lower

NWC'S Energy Week activities tied to events in Ridgecrest

The Energy Program Office announced this week that the Center will celebrate Energy Awareness Week on Nov. 15 to 21 rather than the Oct. 25-31 date chosen Navy-

This change was approved by the Energy Conservation Steering Committee in order to coincide with the proposed Energy Fair planned for Nov. 21-22 at the Desert Empire Fairgrounds in Ridgecrest.

Navy Energy Awareness Week emphasizes that energy efficiency continues to be an essential element of combat. readiness. Everyone throughout the Naval service - officers, enlisted, civilians and dependents - must take seriously the responsibility to eliminate wasteful and inefficient energy use.

Theme for the Energy Awareness Week is "Energy Is Readiness."

The Energy Fair in Ridgecrest is being sponsored by the Committee for Energy Awareness, Maturango Museum, and Cerro Coso Community College.

A highlight of the fair will be a talk by Dr. Paul MacCready, inventor of the "Solar Challenger," the solar powered aircraft that flew across the English Channel on July 7,

In addition to the participation by Dr. MacCready, there will also be commercial and private exhibits, electric vehicles, workshops, seminars, car care clinics, films, slide shows, hot air balloons, and

Lee Vining Creek is still rewarding in the Mammoth area, and this would be a fishermen who use worms and eggs during the day and try fly fishing in the evening.

ROCKETEER

In the June Lake area, Gull Lake has been great for still fishing when the hooks have salmon eggs or floating bait. June Lake is worms, and trolling with Dave Davis, flies, red salmon eggs and nightcrawlers are resulting in limits of pan sized rainbows.

Those who enjoy spin casting from shore with lures are picking up nice catches of pan-sized rainbows in Silver Lake. Rush Creek always has good fishing with just about anything working. Favorites are flies, worms, cheese and eggs for 10- to 13-inch browns and rainbows. Convict Lake, now reopened after the quake, has had good shore fishing with white marshmallows for

Lake George in the Mammoth Lakes area has produced excellent catches for those who like to troll with Needle Fish lures. Lake Mary fishing is best at the inlets. Lots of brookies, browns and pan-sized rainbow trout in the 1-lb. class are going for worms and nightcrawlers.

Lower Twin Lake fly fishermen who use flies, olive wooley worms and spinners are getting excellent catches. Lake Mamie also reports excellent fishing using worms and nightcrawlers, gold spinner and streamer

Lake Sabrina reports some nice limits of 12- to 13-inch rainbows being taken on lead core needlefish, Dave Davis or worms. South Lake fishing is good using salmon eggs, worms, or cheese baits.

Bishop Creek continues to be good fishing, and the Owens River fishing is perking up. Use crickets in the Owens right now for the

Night crawlers, salmon eggs and worms are producing the best results in Independence Creek, Oak Creek and Symmes Creek. Lone Pine Creek reports that eggs and worms are tasty to pan-sized rainbow

Firing Officers' course

Enrollment is open in a Firing Officers' Course that will be held from 7:30 to 11:30 a.m. at the Safety Office (corner of Nimitz Avenue and Hussey Road) on Oct. 27, 28 and

Employees interested in attending must submit a training request and authorization form via department channels in time for it



WELCOME ABOARD — Joseph K. Taussig, Jr., Deputy Assistant Secretary of the Navy for Civilian Personnel Policy and EEO Policy, is greeted by Bob Hillyer, the Center's Technical Director, as he deplanes from a Navy aircraft at Armitage Airfield. Taussig was at China Lake Wednesday for an overview of Center activities and meetings with Eva Bien, NWC Personnel Officer, and Steve Sanders, Demonstration Project Coordinator.

Nomination of candidates for Woman of Yr. award due Oct. 16

Those who wish to nominate a candidate for either the Federal Women's Program woman of the year award or the supervisor of the year award should do so promptly because all nominations must be received by Code 094 by next Friday, Oct. 16.

Anyone can nominate a co-worker, either military or civilian, to be the woman of the year. The nominee must have had at least two years' of service at the Center by next Friday, and may be in any career field.

Criteria for selection include that the nominee must maintain a professional demeanor, serve as a role model for others, must have loyalty and dedication to the organization, must be self-starting and selfmotivating, must perform high quality work, and takes leadership roles in community activities, being an excellent representative of the Center.

Nomination forms can be obtained from Belle Hervey, Code 094, by telephoning NWC

Supervisors must also have been at NWC for at least two years to be nominated. They must have shown themselves to be supportive of their employees' goals, and must have demonstrated willingness to both provide feedback to employees and to listen to it from their employees.

Nominations can also be made for the perpetual trophy presented to the NWC department that not only has shown support continuously for the FWP, but can be counted on to lend its expertise as well as its material and personnel resources to further the goals of the Federal Women's Program and equal employment opportunity.

All departments will be considered for this award, but additional recommendations on the part of employees is

Awards will be presented at the Federal

Sydney Shefler memorial service held Oct. 7 at All Faith Chapel

back to the time (in the latter part of World War II) when the California Institute of Technology was involved in experimental rocket development work here, died last

A memorial service for Shefler was held Wednesday afternoon at the All Faith Chapel. The service was conducted by his brother-in-law, the Rev. Timothy Paul Akers, pastor of the Utica Baptist Church in

The deceased, who had been hired as a rocket design engineer by the Naval Ordnance Test Station, Invokern (forerunner to NWC) on Nov. 1, 1945, died on Oct. 2 at the Mira Loma Hospital near Lancaster, Calif., where he was receiving medical care following a head injury.

Shefler is survived by his wife, Jolly, of 1402 Kearsarge Ave., China Lake; two sons, Stanley and Michael Shefler, who are Ridgecrest residents; and a married daughter, Barbara Jan Boyd, who flew here from the Island of Cyprus when notified of her father's serious condition.

Other survivors include two brothers, Marvin and Alvin Shefler, and a sister,



Sydney Shefler

Sydney Shefler, 60, one of the few Esther Feig, all of whom live in the Chicago, Suzanne, who are the children of Mr. and remaining people at the Naval Weapons Ill., area, and three granddaughters, An- Mrs. Stanley Shefler. Center whose career as an employee goes jemette. 9, Sally, 8 and 5-month-old In lieu of flowers, the family asked that

contributions be donated to the

Baptist Church in Utica, Mo. At the time of his death, Shefler, a supervisory general engineer, was head of the Engineering Support Branch in the NWC

Engineering Department, and had been employed in that capacity for the past four years. Employees in this branch (Code 3662) are involved in product improvement programs for the components of Sidewinder, Sparrow and Harpoon missiles, as well as HARM (High-speed Anti-Radiation Missile), and closely monitor contractor production efforts. In addition, they provide technical support for production of the missiles to the sponsoring Naval Air Systems Command and Naval Sea Systems Command.

Along with his branch head responsibilities, Shefler also served as secretary of NWC's Ammunition Safety Committee, a group that reviews (for safety purposes) any testing or shipping of new or experimental weapons.

Shefler joined the work force at China Lake as an employee in November 1945 in the old Rocket Department and transferred to the Engineering Department in 1957.

Early in 1963 he moved to the Aviation Ordnance Department and continued working for AOD for the next 10 years.

Shefler returned to the Engineering Department in 1973 and was selected as branch head of his group in early 1978 - a position he held at the time of his death.

From the time of inception of the Zuni rocket program (a weapon that is still in Fleet use), Shefler was the project engineer and was responsible for its design and production support of this system. After the Zuni was released to mass production in October 1959, Shefler and other members of the scientist-engineer-technician team continued to work on improvements to the warhead and fuze of this 5-inch, folding-fin solid propellant rockef, and also were involved in other product improvement efforts, and maintained liaison with those in the Fleet who use this weapon.

Shefler's personnel folder contains numerous letters of appreciation testifying to the outstanding manner in which he handled his work, and several patent awards as well, that are indicative of the ingenuity and perseverance that he applied to meeting the many and varied challenges of the jobs that he held during his nearly 36 years as a Civil Service employee at China

