

### Maturango Museum building fund drive goes into high gear

The Maturango Museum's building fund drive continues to build up momentum as the second building patron has joined the ranks with an undisclosed addition to the building fund, which now totals \$31,545.

Museum membership has increased by 20 percent since the building fund drive began two months ago, with more than 600 individuals, families, and businesses now listed as members of the museum.

The Desert Area Teachers Association recently passed a resolution supporting the current Maturango Museum building fund drive as an educationally important undertaking, and Scarlette Renne, the DATA Building Representative Coordinator, is collecting membership contributions.

The Museum Building Committee has interviewed ten architectural firms and exhibit designers during the past two months and expects to announce its choice shortly. Final selection depends on detailed analyses of the firms' proven records and demonstrated commitments to the Maturango's programs, according to James Baird, committee chairman.

### Christmas concert scheduled by high school musicians

The Burroughs High School Instrumental Music Department will present its annual Christmas concert on Tuesday starting at 7:30 p.m. in the Burroughs lecture center.

Traditional Christmas music, as well as music by Bach, Handel, and Anderson, will be played by the Symphonic Orchestra, String Orchestra, Symphonic Band, and the newly formed Wind Ensemble.

The Wind Ensemble will play "Worthy Is the Lamb" from Handel's "Messiah," and the Symphonic Orchestra will play two works by Bach as well as Vaughn-Williams' "Greensleeves Fantasy."

The Advanced Elementary String Orchestra will provide a prelude of Christmas carols prior to the opening of the concert.

General admission for the concert is \$1. Tickets may be purchased from students who will participate in the concert. They also will be on sale at the box office.

## MOVIES

(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 p.m.

**FRIDAY, MONDAY** DECEMBER 14, 17  
"MAIN EVENT"  
(109 min., rated PG)

**SATURDAY, SUNDAY** DECEMBER 15, 16  
"LORD OF THE RINGS"  
(133 min., rated G)

**WEDNESDAY** DECEMBER 19  
"LOVE AND BULLETS"  
(104 min., rated PG)

**FRIDAY, SUNDAY** DECEMBER 21, 23  
"JUST YOU AND ME"  
(102 min., rated PG)

**SATURDAY** DECEMBER 22  
"FURTHER ADVENTURES OF THE WILDERNESS FAMILY"  
(112 min., rated G)

**WEDNESDAY** DECEMBER 26  
"CRY ONION"  
(92 min., rated PG)

**THURSDAY** DECEMBER 27  
"SINBAD AND THE EYE OF THE TIGER"  
(120 min., rated G)

**FRIDAY** DECEMBER 28  
"SUNNYSIDE"  
(106 min., rated R)

**SATURDAY, SUNDAY** DECEMBER 29, 30  
"SGT. PEPPER'S LONELY HEARTS CLUB BAND"  
(112 min., rated PG)

**WEDNESDAY** JANUARY 2  
"THE CONCORDE AIRPORT 79"  
(120 min., rated PG)



**HAPPY COINCIDENCE** — Cdr. Rod Knutson is presented a plaque on which was mounted a Prisoner of War bracelet bearing his name that had been purchased and worn by Julie Sinnott Annos more than 10 years ago. Mrs. Annos recently saw Cdr. Knutson's name in THE ROCKETEER, remembered that his had been the name on the bracelet she had worn as a youngster, and thought he might like the bracelet. The plaque is inscribed "Thank you from one of the many who cared." Cdr. Knutson, who has served as head of the NWC Military Administration Department and Commanding Officer of Enlisted Personnel since May 1978, has been transferred to the Miramar Naval Air Station as Executive Officer of VF 126, a fighter Replacement Air Group. —Photo by Ron Allen

### Special holiday hours slated at business, recreational activities

All business and recreation facilities on board the Naval Weapons Center will be closed on Christmas Day — Tuesday, Dec. 25 — except Hall Memorial Lanes which will be open holiday hours of 1 to 10 p.m., and the gymnasium which will be open from 11 a.m. until 4:30 p.m.

The only facilities open on New Year's Day — Tuesday, Jan. 1 — will be, again, the bowling alley, from 1 until 10 p.m., and the gymnasium from 11 a.m. until 5 p.m.

The gymnasium will be closed on Dec. 31, and will observe special holiday hours of 7:30 a.m. to 4:30 p.m. on Dec. 24, and from 11 a.m. to 7 p.m. on Dec. 26 and Jan. 2. Otherwise the Center gym will be open during its normal hours of operation.

#### Retail Store Open Sundays

The Navy Exchange (Main retail store) will be open on two Sundays, Dec. 16 and 23, from 11:30 until 4 p.m.; and the Mini-mart will be open from 10 a.m. until 7 p.m. to accommodate holiday shoppers. Both will be closed on Dec. 25 and Tuesday, Jan. 1.

All Employee Service Board facilities will be closed on Dec. 25 and Jan. 1. These facilities include the barber shop, the Child Care Center, the catering trucks, and the China Lake Propulsion Laboratory cafeteria.

Special hours for the holiday season will be maintained by the Youth Center on Rich-

### WACOM-operated Thrift Shop closed until Jan. 8

The Thrift Shop operated by the Women's Auxiliary of the Commissioned Officers' Mess, will be closed for the last two weeks of the year, but it will be business as usual starting on Tuesday, Jan. 8.

Regular hours of operation at the Thrift Shop, which is located at 54 S. Lauritsen Rd., China Lake, are 7 to 9 p.m. on Tuesdays and 9 to 11 a.m. on Thursdays.



#### Commissioned Officer's Mess

Two special dinner nights will be offered next week at the Commissioned Officers' Mess.

Japanese night and Italian night will be held on the Dec. 18 and 20, respectively.

For Japanese night, the menu will feature beef teriyaki and shrimp tempura; and for Italian night, the COM will offer spaghetti and meat sauce. Dinners on both evenings will be served from 6 to 9 o'clock.

On Friday, Dec. 21, the COM invites all members and guests to come and dance to recorded disco music from 8 p.m. until midnight.

Once again the COM wishes to remind all its members and guests to make reservations for the gala New Year's Eve party coming up on Dec. 31.

The price of \$12.50 per person will include dinner from 7:30 to 9:30 p.m., dancing from 9 o'clock until 1 a.m., party favors, party hats, noisemakers, and a New Year's breakfast from 1:30 to 2:30 a.m.

To make reservations, call the COM office by phoning 446-2549. Late reservations will be accepted on Dec. 29 and 30.

#### CPO Club

"Balls of Fire," a musical group from Los Angeles, has been booked tonight at the Chief Petty Officers' Club, and will be playing for the listening and dancing pleasure of CPO Club members and their guests from 9 o'clock until 1 a.m.

The CPO Club's Friday night dining room special of prime rib and Icelandic cod will be available from 6 to 9.

Tomorrow night, the "Sounds of Country" will play at the CPO Club from 9 o'clock until 1 a.m., following a dinner special of surf 'n turf in the dining room.

Reservations are now being taken for a gala New Year's Eve party at the CPO Club. A prime rib dinner with wine will be served starting at 7 p.m. on Dec. 31, and the "Sounds of Country" will be back to provide music for dancing.

Tickets that cost \$12.50 per person must be ordered in advance by calling the CPO Club office at NWC Ext. 3633. In addition to dinner with wine, the price will include party favors, hats and noisemakers, as well as champagne that will be served at midnight.

#### Enlisted Mess

Members of the Enlisted Mess and their guests who enjoy watching professional football games are invited to do so on the new wide-screen television set that has been installed in the EM disco room. Sundays from 11:30 a.m. to 5:30 p.m. has been set aside for this purpose.

Tickets are being sold at military work centers at China Lake, as well as at the Enlisted Mess, for a New Year's Eve party to be held at the EM on Dec. 31 from 8:30 p.m. to 3:30 a.m. on Jan. 1.

Musical entertainment for the dancing and listening pleasure of EM members will be provided by Luther Davis and Company, a group from Bakersfield. The price of \$6.50 per person for the evening's entertainment also will include party favors, champagne, and breakfast.

U.S. Government Printing Office: No. 1979—No. 1006

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

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

PLACE STAMP HERE



**PINNED** — Deanna Allee, Chairman of Volunteers for the local branch of the Navy Relief Society, awards a 100-hr. pin to Shelley Knutson for her time spent as a Navy Relief volunteer. Mrs. Knutson, wife of Cdr. Rod Knutson, will accompany her husband to his new assignment at Miramar Naval Air Station in San Diego.

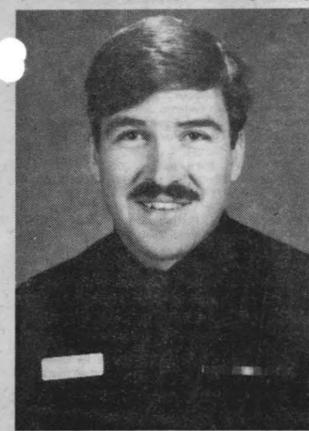


### Enriquez chosen for Bluejacket of Month honor

Aviation Storekeeper First Class John Enriquez has won the coveted Naval Weapons Center's Bluejacket of the Month Award for November.

Petty Officer Enriquez is assigned to the Programs Management Branch as a supervisor in the Aviation Supply Division, Code 258.

In nominating him for the award, LCdr. E. L. Biggs, his supervisor, commended his dedicated and meticulous supply expertise and the long hours that AKI Enriquez has spent in researching and expediting



**AKI John Enriquez** the acquiring of urgently needed parts to provide the total logistical support required by the last two deployments of Air Test and Evaluation Squadron Five.

LCdr. Biggs continued, in the letter of nomination "He (AKI Enriquez) has personally improved the supply support and parts availability by 35 percent in the last six months. He has enabled the Aviation Supply Division the satisfaction of enjoying one of the highest supply effectiveness percentages in the last two years."

In an endorsement to the recommendation, Capt. J. D. Killoran, NWC Director of Supply, adds that "AKI Enriquez's billet is the most critical, and (Continued on Page 5)



Naval Weapons Center  
China Lake  
California  
December 14, 1979  
Vol. XXXIV, No. 50

### Two Centerites receive national recognition for contributions to field of aircraft safety

Two Naval Weapons Center employees and one former Centerite were among a group of five men who received national recognition last week for contributions to the field of aircraft safety and survival by their accomplishments during the exploratory development phase of work on a vertical seeking ejection seat (VSS).

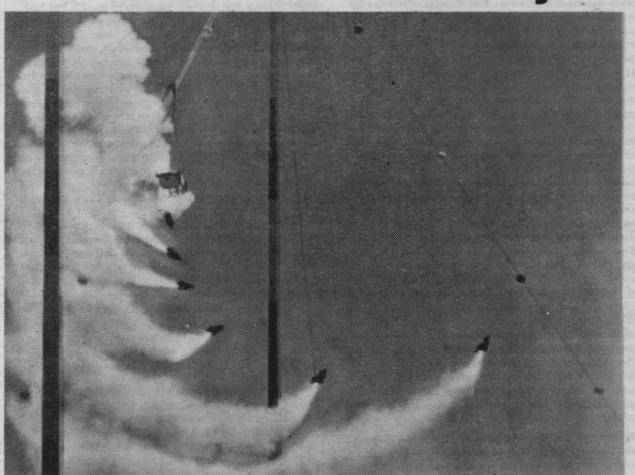
Honored by the Survival and Flight Equipment (SAFE) Association at a banquet that was one of the highlights of the group's annual symposium (held Dec. 2-6 in Las Vegas) were W. J. Stone and Gene R. Drew, as well as Ronald G. Stoutmeyer, a former China Laker.

Others included in this select group were John Tyburski, project engineer on the Maximum Performance Ejection Seat Program from the Naval Air Development Center (NADC), Johnsville, Pa. (the lead laboratory on this program); and Henry Fedrizzi, the program's technology administrator for the Naval Air Systems Command.

Stone, an aerospace engineer in the Ordnance Systems Department's Systems Technology Branch, is the NWC project manager and project engineer on the VSS subsystem of the Maximum Performance Ejection Seat (MPES) program.

He was involved in the design, development and test of the subsystems, with the assistance of engineers and technicians of the Ordnance Systems, Weapons, and Range Departments at NWC.

Drew, acting head of the Parachute Systems Department's Engineering Investigations Branch, designed the aircraft ejection seat recovery system (parachute), and also the pilot restraint system (shoulder harness, lap belts and releases). Development of the autopilot (a micro-



**VERTICAL SEEKING EJECTION SEAT TEST** — From an aircraft cockpit suspended above the ground, the vertical seeking ejection seat rockets earthward before reversing its direction and zooming up to an elevation of 137 ft., where its parachute opened normally. This sequence of photos demonstrates the feasibility of safely ejecting a crewman from an aircraft flying upside-down at an altitude of 100 ft.

computer that functions automatically) was the work of Stoutmeyer, formerly a physicist in the Weapons Control Branch (Code 3921) of the NWC Weapons Department. Stoutmeyer is now employed by a contractor in Idaho Falls, Idaho, doing work for the Department of Energy. As the work on the VSS subsystem is moving from its

initial exploratory development phase into its advanced development, his place on the team has been taken by Ray Morrow.

The VSS has two subsystems — a digital, programmable autopilot and a propulsion steering system.

The propulsion power necessary to (Continued on Page 5)

### NWC is in ideal location for earthquake prediction studies

The Naval Weapons Center is in an ideal position for earthquake prediction studies: it is located on some of the most seismically active land in the state of California, and it has the technical expertise needed to practice such an esoteric science.

Thousands of lives were reported to have been saved in China because people were evacuated from a threatened area before severe shocks occurred. The Chinese claim that their success in predicting earthquakes has been in part due to their observation of changes in animal behavior before the ground starts shaking.

According to scientists of the Earth and Planetary Sciences Division of the NWC Research Department, the animals may be responding to the ultrasonic emissions caused by microscopic fractures produced in subterranean rocks and friction between pre-existing fracture surfaces that occur as stress builds on a fault line before a tremor is felt.

While other organizations are studying the animal behavior, NWC scientists will study the sounds to determine what relationship they have to the actual onset of

a quake — both in intensity of sound and how long before a quake the sound can be detected.

An ultrasonic emission detector designed by NWC scientists will be placed in a borehole in the Wilson Canyon area. The device, which is about 3 1/2 in. in diameter and 8 in. long, will be buried about 3 ft. deep in solid rock. It will be powered by photovoltaic panels; these are already in place.

The instrument will be calibrated for background noise (such as earth tides — the earth being affected by gravity just as the (Continued on Page 4)

### Holiday declared Dec. 24

President Jimmy Carter has declared Monday, Dec. 24, as a holiday for federal employees and military personnel.

As a result of this action, all Centerites except those involved in such essential services as fire and police protection and the manning of communications equipment have a four-day Christmas holiday weekend to look forward to.



**CONGRATULATIONS EXTENDED** — Bob Hillyer (at right), NWC Technical Director, congratulates two NWC employees whose efforts in connection with tests of an aircraft crew vertical seeking ejection seat earned them national recognition by the Survival and Flight Equipment (SAFE) Association. Holding plaques which they received last week during a banquet at the association's annual symposium in Las Vegas are (l.-r.) W. J. Stone and Gene Drew. —Photo by Ron Allen

Contract Administration, GS-1102-5/7, PD No. 7625037N, Code 2525 — This position is located in the Contract Negotiation Branch, Contracts Division, Supply Department. The incumbent will perform contract administration duties for service and support contracts (including contract modification, establishment, and monitoring of contract dates, follow-up on delay, default action, contract termination and processing scope changes), prepare and disseminate task orders, work assignment and delivery orders; process contract modification and/or supplemental agreements. Job Relevant Criteria: Knowledge of Defense Acquisition Regulations; knowledge of Contract Modification and Termination Actions; ability to deal effectively with a wide variety of people; ability to communicate effectively, both orally and in writing. Promotion potential to GS-11.

Supply Clerk/Supply Technician, GS-2005-5/6/7, PD No. 7625019N, Code 25732 — Applications will be accepted from status eligibles. This position is located in the Inventory Management Section, Stock Control Branch, Control Division, Supply Department. Duties involve responsibility for complete inventory management of a portion of the items which have been designated for control by the Center. This responsibility is executed through review, evaluation and adjustment of computer generated inventory management data and includes stock level maintenance, record maintenance and quality control, procurement, and inventory control. Duties include: National Stock Fund or inventory dollar investment levels. Job Relevant Criteria: Knowledge of supply functions and procedures; knowledge of inventory management; knowledge of computer data files and data entry techniques; ability to use and apply a variety of written manuals and instructions.

Warehouseman Leader, WL-4973-4, JD No. 694, Code 2591 — This is a temporary position not to exceed one year. This position is located in the Storage and Retail Issue Branch, Material Division, Supply Department. The incumbent will perform warehousing duties and lead other warehousemen in such duties as receiving, checking, identifying, counting, storing and issuing material. Job Relevant Criteria: Applied knowledge of the trade. Ability to act as a group leader; ability to interpret and instruct; knowledge of pertinent tools and equipment.

Secretary (Typing), GS-318-4, PD No. 7923096N, Code 3333 — This position is located in the Advanced Technology Projects Branch, Fuze Systems Division, Fuze and Sensors Department. The incumbent will provide secretarial support to the branch head and branch members. Duties include: receiving visitors and phone calls; reviews and arranges for reply to incoming correspondence; prepares correspondence, technical articles, reports and other material related to the branch; maintains files, control records, requisitions, etc. Job Relevant Criteria: Ability to type accurately and efficiently; knowledge of Navy correspondence regulations and forms; ability to work effectively with all levels of personnel; ability to handle a variety of clerical duties concurrently.

Engineering Technician GS-802-11, PD No. 7923100N, Code 3351 — This position is located in the Product Engineering Branch, Electromechanical Division, Fuze and Sensors Department. Duties include design of prototype and engineering models of safety arming/contact fuses, design of service type fuze components incorporating modern assembly and manufacturing methods, design of explosive trains and test and failure analysis of fuze and safety-arming device hardware. Job Relevant Criteria: Knowledge of high-precision electromechanical devices; knowledge of explosive ordnance devices; ability to perform stress and tolerance analyses.

Electronics Engineer, GS-855-9/11/12, PD No. 7923099E, Code 3333 — This position is located in the Exploration Development Branch, Electromechanical Division, Fuze and Sensors Department. The incumbent will perform exploratory and advanced development of electronics systems for advanced surface attack fuzing. The project involves development of an electronic system which will function in a high shock environment during hard target penetration. Job Relevant Criteria: Knowledge of digital electronics and sensor design; knowledge of analog circuitry; knowledge of microprocessor hardware and software.

Electronics Technician, GS-854-7/8/9/10/11, PD No. 7923099N, Code 3333 — This position is located in the Phoenix Fuze Systems Branch, Fuze Systems Division, Fuze and Sensors Department. Duties involve design, development, and evaluation of electronic systems and test sets for guided missile fuzes including such items as microwave assemblies, special test circuits, pulse and digital circuitry, etc. The incumbent will also serve as a consultant on fabrication and developmental models of assigned equipment and will oversee implementation of use of test equipment at various Naval Weapons Stations. Job Relevant Criteria: Knowledge of missile fuzing and fuze test equipment; knowledge of electronic instrumentation; knowledge of circuit layout, printed circuit board methods and fabrication techniques; ability to meet and deal with all levels of personnel.

Planner and Estimator (General), WD-4701-6, JD No. 614N, Code 26762 — This position is located in the Production Control Branch, Transportation Division, Public Works Department. The incumbent is responsible for the program scheduling and managing of the preventive maintenance program for all weight-handling

# 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 filled with the person named in the ad. All others desiring employment should contact the Personnel Manager, Employment-Wage and Classification Division, Code 092, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. 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 094 or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-116, while those for all WG, WL and WS positions are defined in CSC Handbook X-116C.

management system and assisting system-2000 users. Job Relevant Criteria: Ability to revise programs by inserting corrections to a computerized data base system and knowledge of computer operations, procedures and data flow.

Electronics Technician, GS-854-9/10/11, PD No. 7921173, Code 3144 — This position is located in the Aircraft Weapon Control Systems Division, Systems Development Department. Incumbent will serve as a development technician with assignments on advanced technology development projects through operational avionics technical support projects. Assignments will involve design, fabrication, integration, testing and documentation of advanced digital and analog electronics for avionics subsystems, laboratory facilities and operational systems support equipment. Micro processor/micro controller technology is used extensively in this work. Job Relevant Criteria: Ability to perform design, fabrication, testing and troubleshooting of electronics for aircraft weapon control avionics systems; ability to conduct testing of analog and digital electronics; ability to provide effective liaison with contractors.

Supervisory Research Chemist, PD No. 7920006, GS-1326-12/14, Code 3823 — This position is located in the Countermeasures Branch, Microwave Development Division, Electronic Warfare Department. An incumbent will be responsible for ascertaining the effects of radar signal processing in radar targets, clutter and electronic countermeasures signals received by radar systems. The types of signal processors include: Moving Target Indicator (MTI), pulse doppler, CW doppler, frequency agility and polarization systems. Job Relevant Criteria: Experience in radar, radar video processing and countermeasures systems design, hardware construction and field testing.

Mechanical Engineer/Electronics Engineer/Aerospace Engineer/Physicist, GS-855-9/11/12, PD No. 7923099E, Code 3553 — This position is located in the Land Threat Evaluation/Development Branch, Countermeasures Division, Electronic Warfare Department. Incumbent analyzes and designs radar circuitry required to integrate major subsystems into functioning radar-directed weapons systems. The engineer also develops operational and diagnostic software and integrates software simulation of the associated weapons to complete the weapon integration. Incumbent designs and evaluates tests of the systems. Duty station is the Rand Wash Test Site. The division is under a "first 40 hours" work schedule, as a result, a typical weekly schedule is 10 hour day, Monday through Thursday. Navy transportation is available to and from the worksite. Job Relevant Criteria: Knowledge of radar, microwave and servomechanism systems; knowledge of digital and analog circuitry techniques and computer systems; ability to develop and evaluate simulators; ability to communicate effectively both orally and in writing; ability to deal effectively with personnel at all levels.

Administrative Librarian, GS-1410-11, PD No. 7720505E, Code 2436 — Temporary position NTE 1 year. May lead to permanent promotion. This position is located in the Center Library, Library Division, Technical Information Department. Major duty is development and direction of the Library Program including collection development and selection; incumbent selects, acquires and organizes library materials, plans and justifies budget, directs the work of two employees, and provides readers assistance and reference services. Job Relevant Criteria: Knowledge of military installation public library programs; skill at interpersonal relations; ability to direct work of others.

Secretary (Stenography), GS-318-5/6/7, PD No. 7800013N, Code 02 — This position is located in the Office of the Vice Commander, Naval Weapons Center. The incumbent is responsible for the effective operations of the Vice Commander's office and the management of his time and schedule; performs such duties as maintaining all files, typing letters, memoranda, etc., opening, screening and routing mail, handling and controlling material, screening publications for items of interest, answering and screening phone calls, greeting and assisting visitors, screening classified and unclassified messages, answering the more routine correspondence for the Vice Commander, personnel and budget duties as needed. Will be required to work outside of normal working hours on an as needed basis. Job Relevant Criteria: Knowledge of Center organization and policies; reliability and dependability; ability to deal tactfully with all types and levels of people; to take shorthand; and to type efficiently and accurately; ability to handle pressure; knowledge of Navy administrative policies and procedures. The incumbent selected for this vacancy will be reassigned at his/her current grade level. Subsequent promotions, up to the GS-7 level, will be based on demonstrated performance and meeting the appropriate qualification requirements. For this reason, candidates must currently be at the GS-5 level or above in order to apply.

Writer-Editor (Printed Media), GS-1082-5/7, PD No. 7924026N and PD No. 7924027N, Code 3411 — Two vacancies. Applications from status eligibles will be accepted. These positions are located in the Writing Branch, Publications Division, Technical Information Department. The incumbents are trained in the writing and editing of technical reports, brochures and administrative reports. Duties include editing manuscripts and gathering information, organizing it and presenting it in written format. Job Relevant Criteria: GS-5: Ability to interface effectively with all levels of Center personnel; ability to analyze data; ability to gather information; knowledge of editing techniques; GS-7: Skill in gathering information; skill in analyzing data; knowledge of knowledge of publishing techniques; skill in editing. Promotion potential to GS-9. Promotion not guaranteed.

File applications for the above with Linda Bego, Bldg. 34, Rm. 206, Ph. 3118. Interdisciplinary Position, Electronics Engineer/

File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2293. Administrative Librarian, GS-1410-11, PD No. 7720505E, Code 2436 — Temporary position NTE 1 year. May lead to permanent promotion. This position is located in the Center Library, Library Division, Technical Information Department. Major duty is development and direction of the Library Program including collection development and selection; incumbent selects, acquires and organizes library materials, plans and justifies budget, directs the work of two employees, and provides readers assistance and reference services. Job Relevant Criteria: Knowledge of military installation public library programs; skill at interpersonal relations; ability to direct work of others.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 204, Ph. 2577. Electronics Engineer, GS-855-9/11/12, PD No. 7926200E, Code 3623 — This position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. The position provides engineering evaluation and testing of various weapons systems in relation to production and fleet use. Major functions are Production Engineering, including funding estimates and technical direction on portions of weapons systems contracts. Test Coordination, involving managing missiles systems test programs. Optical and infrared calibration of air-to-air heat seeking missiles. Job Relevant Criteria: Ability to perform engineering evaluations of electrical and electronic components; ability to perform test development review or management; ability to perform alignment and calibration of optical-infrared systems. Occasional travel required. Promotion potential to GS-12.

File applications for the above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2577. Electronics Engineer, GS-855-9/11/12, PD No. 7926200E, Code 3623 — This position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. The position provides engineering evaluation and testing of various weapons systems in relation to production and fleet use. Major functions are Production Engineering, including funding estimates and technical direction on portions of weapons systems contracts. Test Coordination, involving managing missiles systems test programs. Optical and infrared calibration of air-to-air heat seeking missiles. Job Relevant Criteria: Ability to perform engineering evaluations of electrical and electronic components; ability to perform test development review or management; ability to perform alignment and calibration of optical-infrared systems. Occasional travel required. Promotion potential to GS-12.

File applications for the above with Lucie Lambert, Bldg. 34, Rm. 212, Ph. 2032. Computer Aids, GS-335-4, PD No. 7921264, Code 3132 — This position is located in the Software Services Section, Computer Services Branch, Computer Sciences Division, Systems Development Department. Duties consist of updating and retrieving the contents of a data base

File applications for the above with Lucie Lambert, Bldg. 34, Rm. 212, Ph. 2032. Computer Aids, GS-335-4, PD No. 7921264, Code 3132 — This position is located in the Software Services Section, Computer Services Branch, Computer Sciences Division, Systems Development Department. Duties consist of updating and retrieving the contents of a data base

File applications for the above with Lucie Lambert, Bldg. 34, Rm. 212, Ph. 2032. Computer Aids, GS-335-4, PD No. 7921264, Code 3132 — This position is located in the Software Services Section, Computer Services Branch, Computer Sciences Division, Systems Development Department. Duties consist of updating and retrieving the contents of a data base

File applications for the above with Lucie Lambert, Bldg. 34, Rm. 212, Ph. 2032. Computer Aids, GS-335-4, PD No. 7921264, Code 3132 — This position is located in the Software Services Section, Computer Services Branch, Computer Sciences Division, Systems Development Department. Duties consist of updating and retrieving the contents of a data base

File applications for the above with Lucie Lambert, Bldg. 34, Rm. 212, Ph. 2032. Computer Aids, GS-335-4, PD No. 7921264, Code 3132 — This position is located in the Software Services Section, Computer Services Branch, Computer Sciences Division, Systems Development Department. Duties consist of updating and retrieving the contents of a data base

File applications for the above with Lucie Lambert, Bldg. 34, Rm. 212, Ph. 2032. Computer Aids, GS-335-4, PD No. 7921264, Code 3132 — This position is located in the Software Services Section, Computer Services Branch, Computer Sciences Division, Systems Development Department. Duties consist of updating and retrieving the contents of a data base

File applications for the above with Lucie Lambert, Bldg. 34, Rm. 212, Ph. 2032. Computer Aids, GS-335-4, PD No. 7921264, Code 3132 — This position is located in the Software Services Section, Computer Services Branch, Computer Sciences Division, Systems Development Department. Duties consist of updating and retrieving the contents of a data base

File applications for the above with Lucie Lambert, Bldg. 34, Rm. 212, Ph. 2032. Computer Aids, GS-335-4, PD No. 7921264, Code 3132 — This position is located in the Software Services Section, Computer Services Branch, Computer Sciences Division, Systems Development Department. Duties consist of updating and retrieving the contents of a data base

File applications for the above with Lucie Lambert, Bldg. 34, Rm. 212, Ph. 2032. Computer Aids, GS-335-4, PD No. 7921264, Code 3132 — This position is located in the Software Services Section, Computer Services Branch, Computer Sciences Division, Systems Development Department. Duties consist of updating and retrieving the contents of a data base

File applications for the above with Lucie Lambert, Bldg. 34, Rm. 212, Ph. 2032. Computer Aids, GS-335-4, PD No. 7921264, Code 3132 — This position is located in the Software Services Section, Computer Services Branch, Computer Sciences Division, Systems Development Department. Duties consist of updating and retrieving the contents of a data base

File applications for the above with Lucie Lambert, Bldg. 34, Rm. 212, Ph. 2032. Computer Aids, GS-335-4, PD No. 7921264, Code 3132 — This position is located in the Software Services Section, Computer Services Branch, Computer Sciences Division, Systems Development Department. Duties consist of updating and retrieving the contents of a data base

Aerospace Engineer/Physicist, GS-855/861/1310-12, PD No. 7935022E, Code 35063 — This position is in the System Engineering Group, HARM/Standard ARM Technical Management Office, Electronic Warfare Department. An incumbent is the HARM Electronic Warfare (EW) Project Engineer responsible for the integration of the HARM Active Weapons System and various EW equipment (AN/APR 43, AN/ALR 67, AN/ALG-126, AN/ALQ-126B, AN/ALR-45F) associated with the A-7, F-18, and A-6 aircraft. Job Relevant Criteria: Knowledge of avionics systems design and integration with various aircraft; ability to interface effectively with contractors; government personnel; ability to clearly communicate results of efforts orally and in writing. Secretary (Typing), GS-318-4, PD No. 7923122N, Code 3511 — This position is located in the System Simulation Branch, System Sciences Division, Electronic Warfare Department. Incumbent provides secretarial and clerical support to the branch. Duties include: typing, filing, routing mail, receiving and screening office and telephone callers, maintaining branch head's calendar, etc. Job Relevant Criteria: Ability to type accurately and efficiently; knowledge of correspondence format and procedures; ability to use fact and judgment; ability to deal with all levels of personnel; ability to communicate both orally and in writing.

Electronics Engineer, GS-855-9/11/12, PD No. 7825118/7825074/7825077, Code 3553 — This position is in the EW Analysis Branch, Systems Sciences Division, Electronic Warfare Department. Incumbent designs simulations and tests involving the employment of electronic warfare active countermeasures systems against simulations or hardware components of threat systems. Also analyzes the capability of U.S. Navy active countermeasures equipment against threat systems to support test and evaluation. Job Relevant Criteria: Experience in use of laboratory testing, measuring and recording equipment; knowledge of operational Navy airborne EW systems; experience with military RDT&E organizations. Knowledge of the use of intelligence publications.

Electronics Engineer/Physicist, GS-855/1310-12, PD No. 7923109E, Code 3553 — This position is located in the Countermeasures Branch, Microwave Development Division, Electronic Warfare Department. An incumbent will be responsible for ascertaining the effects of radar signal processing in radar targets, clutter and electronic countermeasures signals received by radar systems. The types of signal processors include: Moving Target Indicator (MTI), pulse doppler, CW doppler, frequency agility and polarization systems. Job Relevant Criteria: Experience in radar, radar video processing and countermeasures systems design, hardware construction and field testing.

Mechanical Engineer/Electronics Engineer/Aerospace Engineer/Physicist, GS-855-9/11/12, PD No. 7923099E, Code 3553 — This position is located in the Land Threat Evaluation/Development Branch, Countermeasures Division, Electronic Warfare Department. Incumbent analyzes and designs radar circuitry required to integrate major subsystems into functioning radar-directed weapons systems. The engineer also develops operational and diagnostic software and integrates software simulation of the associated weapons to complete the weapon integration. Incumbent designs and evaluates tests of the systems. Duty station is the Rand Wash Test Site. The division is under a "first 40 hours" work schedule, as a result, a typical weekly schedule is 10 hour day, Monday through Thursday. Navy transportation is available to and from the worksite. Job Relevant Criteria: Knowledge of radar, microwave and servomechanism systems; knowledge of digital and analog circuitry techniques and computer systems; ability to develop and evaluate simulators; ability to communicate effectively both orally and in writing; ability to deal effectively with personnel at all levels.

Administrative Librarian, GS-1410-11, PD No. 7720505E, Code 2436 — Temporary position NTE 1 year. May lead to permanent promotion. This position is located in the Center Library, Library Division, Technical Information Department. Major duty is development and direction of the Library Program including collection development and selection; incumbent selects, acquires and organizes library materials, plans and justifies budget, directs the work of two employees, and provides readers assistance and reference services. Job Relevant Criteria: Knowledge of military installation public library programs; skill at interpersonal relations; ability to direct work of others.

Secretary (Stenography), GS-318-5/6/7, PD No. 7800013N, Code 02 — This position is located in the Office of the Vice Commander, Naval Weapons Center. The incumbent is responsible for the effective operations of the Vice Commander's office and the management of his time and schedule; performs such duties as maintaining all files, typing letters, memoranda, etc., opening, screening and routing mail, handling and controlling material, screening publications for items of interest, answering and screening phone calls, greeting and assisting visitors, screening classified and unclassified messages, answering the more routine correspondence for the Vice Commander, personnel and budget duties as needed. Will be required to work outside of normal working hours on an as needed basis. Job Relevant Criteria: Knowledge of Center organization and policies; reliability and dependability; ability to deal tactfully with all types and levels of people; to take shorthand; and to type efficiently and accurately; ability to handle pressure; knowledge of Navy administrative policies and procedures. The incumbent selected for this vacancy will be reassigned at his/her current grade level. Subsequent promotions, up to the GS-7 level, will be based on demonstrated performance and meeting the appropriate qualification requirements. For this reason, candidates must currently be at the GS-5 level or above in order to apply.

Writer-Editor (Printed Media), GS-1082-5/7, PD No. 7924026N and PD No. 7924027N, Code 3411 — Two vacancies. Applications from status eligibles will be accepted. These positions are located in the Writing Branch, Publications Division, Technical Information Department. The incumbents are trained in the writing and editing of technical reports, brochures and administrative reports. Duties include editing manuscripts and gathering information, organizing it and presenting it in written format. Job Relevant Criteria: GS-5: Ability to interface effectively with all levels of Center personnel; ability to analyze data; ability to gather information; knowledge of editing techniques; GS-7: Skill in gathering information; skill in analyzing data; knowledge of knowledge of publishing techniques; skill in editing. Promotion potential to GS-9. Promotion not guaranteed.

File applications for the above with Linda Bego, Bldg. 34, Rm. 206, Ph. 3118. Interdisciplinary Position, Electronics Engineer/

File applications for the above with Marge Stanton, Bldg. 34, Rm. 204, Ph. 2577. Electronics Engineer, GS-855-9/11/12, PD No. 7926200E, Code 3623 — This position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. The position provides engineering evaluation and testing of various weapons systems in relation to production and fleet use. Major functions are Production Engineering, including funding estimates and technical direction on portions of weapons systems contracts. Test Coordination, involving managing missiles systems test programs. Optical and infrared calibration of air-to-air heat seeking missiles. Job Relevant Criteria: Ability to perform engineering evaluations of electrical and electronic components; ability to perform test development review or management; ability to perform alignment and calibration of optical-infrared systems. Occasional travel required. Promotion potential to GS-12.

File applications for the above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2577. Electronics Engineer, GS-855-9/11/12, PD No. 7926200E, Code 3623 — This position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. The position provides engineering evaluation and testing of various weapons systems in relation to production and fleet use. Major functions are Production Engineering, including funding estimates and technical direction on portions of weapons systems contracts. Test Coordination, involving managing missiles systems test programs. Optical and infrared calibration of air-to-air heat seeking missiles. Job Relevant Criteria: Ability to perform engineering evaluations of electrical and electronic components; ability to perform test development review or management; ability to perform alignment and calibration of optical-infrared systems. Occasional travel required. Promotion potential to GS-12.

File applications for the above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2577. Electronics Engineer, GS-855-9/11/12, PD No. 7926200E, Code 3623 — This position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. The position provides engineering evaluation and testing of various weapons systems in relation to production and fleet use. Major functions are Production Engineering, including funding estimates and technical direction on portions of weapons systems contracts. Test Coordination, involving managing missiles systems test programs. Optical and infrared calibration of air-to-air heat seeking missiles. Job Relevant Criteria: Ability to perform engineering evaluations of electrical and electronic components; ability to perform test development review or management; ability to perform alignment and calibration of optical-infrared systems. Occasional travel required. Promotion potential to GS-12.

File applications for the above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2577. Electronics Engineer, GS-855-9/11/12, PD No. 7926200E, Code 3623 — This position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. The position provides engineering evaluation and testing of various weapons systems in relation to production and fleet use. Major functions are Production Engineering, including funding estimates and technical direction on portions of weapons systems contracts. Test Coordination, involving managing missiles systems test programs. Optical and infrared calibration of air-to-air heat seeking missiles. Job Relevant Criteria: Ability to perform engineering evaluations of electrical and electronic components; ability to perform test development review or management; ability to perform alignment and calibration of optical-infrared systems. Occasional travel required. Promotion potential to GS-12.

# Youth Center Soccer League results . . .

(Continued from Page 6) throughout the game, the Drillers were unable to break through until the third quarter for the first score in their 2-0 win over the Blizzard. A corner kick by David Tetmeyer got the ball in to Matt Ellis, who booted the ball into the net. Tetmeyer also was credited with an assist that led to the second goal for the Drillers — this one scored by Bobby Hudson.

Wayne Shadd of the Rogues intercepted a bad pass near the end of the first half and scored the only goal of the game during his team's 1-0 win over the Strikers. In the second half, the Strikers (led by John Duncan, Phillip Serpanos and Chris Johnson) displayed good ball control and threatened, but were unable to score.

Best Game of Season In a contest regarded by coaches and many spectators as one of the best of the season, the Hurricanes held off the Sting to post a 3-2 victory. Hurricane goals were tallied by Robbie Greene (unassisted), by Phillip Walker (assisted by David Mann), and by Mann (assisted by Walker).

The two goals for the Sting (both unassisted) were racked up by Troy Erickson and Craig Rindt. Topnotch players on offense were Scott Brown (Hurricane) and Dan Flores (Sting). The game's defensive standouts were fullback Doug Duval (Hurricane) and center half Richard Flores (Sting).

Two more games remain to be played tomorrow in the National Division (5th and 6th graders), and the division title will be at stake since Tornados and Sounders (currently tied with records of 6 wins and 1 loss each) will tangle at 1 p.m. at Daviude Field.

# League play . . .

(Continued from Page 6) points in a losing effort. The Burger King hoopsters were led by Terry McRoberts with 13.

Results of the only other Division B game played last week were Night Stalkers 51, Bebops 49.

The Brown Sugar team knocked off its nearest rival in Division C of the Intramural Basketball League last week — posting a 46-40 win over the Poochies. The win left the Brown Sugar team with a 3-0 record and dropped the Poochies into second place with 2 wins and a loss.

Dave Bobbitt, who tallied 15 for the Poochies, was the game's high point man, closely followed by Larry Rafael, who hit 13 for Brown Sugar.

Results of other Division C games played last week were Pizza Villa Floorburners 34, Jomaro 29, and the Innates 34, Fat 13.

A full schedule of intramural league basketball games is on tap Monday through Thursday of next week, but after that there will be a two-week lay-off over the holidays until action resumes on Thursday, Jan. 3.

# Coyotes lose . . .

(Continued from Page 6)

was as close as the Cerro Coso team could get to overhauling the Cougars. The visitors then picked up the cadence in the scoring department and built up as much as a 21-point lead in the final minute of play before settling for a 98-80 victory.

John Hall, of Cerro Coso, was the game's high point man, with 21. He was closely followed by teammate Dan Chavis, who tallied 20. Just one other player for the Coyotes — Ron Morgan — was in the double-figure scoring column, and he hit 10.

The Taft College Cougars had a better balanced offense with seven players getting 10 or more points. They were: Quinn Fields (19), Rene Haydel and Kelvin Smit (16 each), Clint Dorn (15), and Richard Mitsuanaul, Craig Jones and Dan Goldman (10 points each).

Next home game for the Cerro Coso Coyotes will be the Desert Athletic Conference opener on Saturday, Jan. 5, against College of the Desert.

In the only other Youth Center Soccer League game remaining to be played this season, the Surf and Whitecaps will collide at 2:30 p.m.

Last Saturday, the Sounders defeated the Whitecaps 5-1, while the Kicks shut out the Surf 2-0.

The Sounders got a 3-goal performance from Mike Garrett, who sparked their 5-1 win over the Whitecaps. Those credited with assists on the three scoring plays by Garrett were Sam Greenum, David Owens and Scott Oliver. In addition, Greenum and Scott Hannon tallied one goal each for the Sounders, who were led on defense by David Stockin, Mike Mills and Tom Dobbs.

A hard running game by the Whitecaps produced just one goal and it was tallied by Roger Smith.

The first half of the Kicks vs. Surf game ended in a scoreless tie, but the Kicks came on in the second half to win on goals by Guy Stanton (assisted by Scott Piri) and by Piri (assisted by Stanton). During the second half, the Kicks did a better job of clearing the ball out of their end of the field and took the pressure off their goalie.

Jason Cherry was singled out for his play on defense for the Kicks, and it was Dan Silver, goalie for the Surfs, who was picked as the top defensive player for his team.

# Burros cagers . . .

(Continued from Page 6)

throw line (79 percent), while the Burros had to settle for 13 of 19 charity tosses (64 percent).

The game's top rebounder was Anthony Hunter of San Marcos, who grabbed 13 carsoms, and also played an important part in his team's scoring effort with 23.

Leading scorers for Burroughs in the San Marcos game were Wirtz (22), Dalton Heyward (12), and Curtis Edmonson and Steve Motte (11 points each).

The San Luis Obispo High School cagers took advantage of a multitude of opportunities at the free throw line during the fourth quarter to post a 69-61 victory over Burroughs High in the local team's third and final game of the SLO tourney.

The tournament hosts collected 19 points

(Continued from Page 2)

radar-directed weapons systems. The engineer also develops operational and diagnostic software and integrates software simulation of the associated weapons to complete the weapon integration. Incumbent designs and evaluates tests of the systems. Duty station is the Rand Wash Test Site. The division is under a "first 40 hours" work schedule; as a result, a typical weekly schedule is 10 hour day, Monday through Thursday. Navy transportation is available to and from the worksite. Job Relevant Criteria: Knowledge of radar, microwave and servomechanism systems; knowledge of digital and analog circuitry techniques and computer systems; ability to develop and evaluate simulators; ability to communicate effectively both orally and in writing; ability to deal effectively with personnel at all levels.

File applications for the above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2577. Electronics Engineer, GS-855-9/11/12, PD No. 7926200E, Code 3623 — This position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. The position provides engineering evaluation and testing of various weapons systems in relation to production and fleet use. Major functions are Production Engineering, including funding estimates and technical direction on portions of weapons systems contracts. Test Coordination, involving managing missiles systems test programs. Optical and infrared calibration of air-to-air heat seeking missiles. Job Relevant Criteria: Ability to perform engineering evaluations of electrical and electronic components; ability to perform test development review or management; ability to perform alignment and calibration of optical-infrared systems. Occasional travel required. Promotion potential to GS-12.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 204, Ph. 2577. Electronics Engineer, GS-855-9/11/12, PD No. 7926200E, Code 3623 — This position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. The position provides engineering evaluation and testing of various weapons systems in relation to production and fleet use. Major functions are Production Engineering, including funding estimates and technical direction on portions of weapons systems contracts. Test Coordination, involving managing missiles systems test programs. Optical and infrared calibration of air-to-air heat seeking missiles. Job Relevant Criteria: Ability to perform engineering evaluations of electrical and electronic components; ability to perform test development review or management; ability to perform alignment and calibration of optical-infrared systems. Occasional travel required. Promotion potential to GS-12.

File applications for the above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2577. Electronics Engineer, GS-855-9/11/12, PD No. 7926200E, Code 3623 — This position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. The position provides engineering evaluation and testing of various weapons systems in relation to production and fleet use. Major functions are Production Engineering, including funding estimates and technical direction on portions of weapons systems contracts. Test Coordination, involving managing missiles systems test programs. Optical and infrared calibration of air-to-air heat seeking missiles. Job Relevant Criteria: Ability to perform engineering evaluations of electrical and electronic components; ability to perform test development review or management; ability to perform alignment and calibration of optical-infrared systems. Occasional travel required. Promotion potential to GS-12.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 204, Ph. 2577. Electronics Engineer, GS-855-9/11/12, PD No. 7926200E, Code 3623 — This position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. The position provides engineering evaluation and testing of various weapons systems in relation to production and fleet use. Major functions are Production Engineering, including funding estimates and technical direction on portions of weapons systems contracts. Test Coordination, involving managing missiles systems test programs. Optical and infrared calibration of air-to-air heat seeking missiles. Job Relevant Criteria: Ability to perform engineering evaluations of electrical and electronic components; ability to perform test development review or management; ability to perform alignment and calibration of optical-infrared systems. Occasional travel required. Promotion potential to GS-12.

File applications for the above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2577. Electronics Engineer, GS-855-9/11/12, PD No. 7926200E, Code 3623 — This position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. The position provides engineering evaluation and testing of various weapons systems in relation to production and fleet use. Major functions are Production Engineering, including funding estimates and technical direction on portions of weapons systems contracts. Test Coordination, involving managing missiles systems test programs. Optical and infrared calibration of air-to-air heat seeking missiles. Job Relevant Criteria: Ability to perform engineering evaluations of electrical and electronic components; ability to perform test development review or management; ability to perform alignment and calibration of optical-infrared systems. Occasional travel required. Promotion potential to GS-12.



CATHOLIC CONGREGATION Confession Schedule Monday through Friday, Dec. 17-21, Small Chapel . . . . . 11:15 to 11:30 a.m. Thursday, Dec. 20, All Faith Chapel, Communal Penance Service . . . . . 7:30 p.m. Mass Schedule Monday through Friday, Dec. 17-21, Small Chapel . . . . . 11:35 a.m. Sunday, Dec. 23, All Faith Chapel . . . . . 8:30 and 11:30 a.m. Monday, Dec. 24, All Faith Chapel . . . . . Midnight Tuesday, Dec. 25, Main Chapel . . .



**Loewen's hoopsters lead Div. A, B in Intramural League**

Sole possession of first place in Division A of the China Lake Intramural Basketball League was taken over last week by the Loewen's A team, which won a pair of games at the expense of Desert Motors and the Shooters.

In a closely-played contest with Desert Motors, the Loewen's A hoopsters came out on top by the narrow margin of 49-46. The victors held a single-point lead of 24-23 at halftime of this nip and tuck tilt.

The game's high point man was Les Bazemore, who tallied 12 for Loewen's A. Gary Barnes was the top scorer for Desert Motors with 11.

Steve Nathan chalked up 24 points for the Loewen's A cagers in their second win of the week — this time by a score of 56-43 over the Shooters. The game was close during the first half, which ended with Loewen's in the lead 26-22. The Division A leaders outscored their opponents 30-21 in the second half to clinch their third win of the season. Top scorer for the Shooters was Chris Grauert, who tallied 13.

In the only other Division A game played last week, the Sports Etc. Raiders moved into second place with a 47-34 win over the Shooters.

Like their counterparts in Division A, the Loewen's B team is currently holding down first place in Division B of the Intramural Basketball League with three straight wins to its credit.

Last week, the Loewen's B team held off a second half rally to edge the Bebops by a final score of 43-42. Gary Smith of Loewen's B was the high point man in this game with 16. The Bebops were led by Scott Robbins, who tallied 12.

Second place in Division B is held by the Burger King squad which picked up its second win of the season last week by slipping past the Nuggets 56-53. The Burger King cagers got off to a 31-22 half-time lead, and then held on to win by 3 points at the final buzzer.

Kevin Kopp of the Nuggets tallied 17 (Continued on Page 7)

**Winter season of youth soccer competition ends for Pacific, American Division teams**

Winter season Youth Center Soccer League competition came to an end last Saturday for teams in both the Pacific Division (1st and 2nd graders) and in the American Division (3rd and 4th graders).

The Fury and the Earthquakes, winners over the Sockers and the Rowdies by scores of 3-0 and 1-0, respectively, ended the season as co-champions of the Pacific Division. In the only other Pacific Division tilt played last Saturday, the Express and Chiefs battled to a scoreless tie.

With help from Jacob Jones and Peter Martinez, Armando Valdevea tallied all three goals for the Fury in their shutout victory over the Sockers. Bobby Puckett and Joe Nelson led the Fury defense that held the Sockers scoreless.

Although most of the game was played in the Rowdies' end of the field, the Earthquakes managed to break through for one goal that came in the final minutes of action in their 1-0 win over the Rowdies. Matt Mann booted the ball into the net, after getting an assist from Mike Owens.

The top players on defense for the Earthquakes, who helped cut off all scoring efforts by the Rowdies, were Mike Owens,



**FINGERTIP CONTROL** — Dan Chavis, of the Cerro Coso Coyotes, puts up a shot at the basket during last Friday night's game between Cerro Coso and the Taft College Cougars. The visitors chalked up a 98-80 victory — their second win of the week over the Cerro Coso squad. In position for a possible rebound is Kelvin Smith (No. 40) of Taft. At left is Curtis Owens (No. 12) for Cerro Coso.

**Cerro Coso Coyotes lose two games, 98-80, 108-90 to Taft College Cougars**

The first home court loss of the 1979-80 season was suffered last Friday night at the NWC gym by the Cerro Coso Community College basketball team, which was defeated 98-80 by the visitors from Taft College.

It was the second loss in one week by Cerro Coso to the Taft College Cougars, who posted a 105-90 victory over the local college cagers in an earlier non-conference tilt that was played at Taft on Wednesday, Dec. 5.

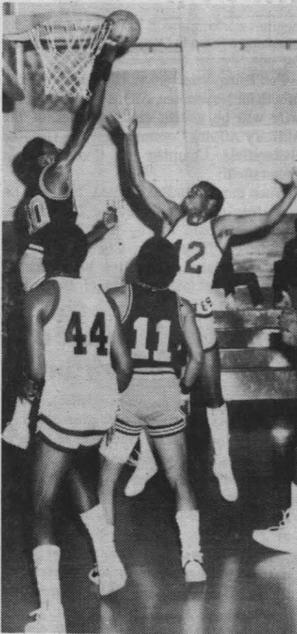
The Coyotes held their own with the visitors from Taft during the first quarter of last Friday night's tilt. Two quick baskets (one a slam-dunk) by John Hall, smooth-functioning guard for Cerro Coso, tied the score at 14 apiece.

In the final 10 min of playing time in the first half, however, the Cougars, who had a larger squad and also were bigger physically than the Cerro Coso players, outscored the Coyotes 18-10 during one 6-min. segment of play in which they built up a 36-26 lead. Taft held a 44-33 advantage as both teams

headed for the locker room at the halftime intermission.

Cerro Coso fans, who kept hoping for a rally that would get the Coyotes back into the ball game, almost got their wish toward the three-quarter mark in the game, when the local college squad temporarily reduced the Cougars' lead to 7 points.

A flurry of baskets by the Coyotes, who outscored the Taft College cagers 13-4 midway through the second half of play, (Continued on Page 7)



**REBOUND GRABBED** — Kelvin Smith (of Taft) used his 6 ft., 6 in. height to advantage to grab rebounds and block shots during the game here against Cerro Coso. The loser in this battle for the ball is Curtis Owen (No. 12) of the Coyotes. Two other players watching the action are Tony Jackson (No. 44) of Cerro Coso, and Richard Mitnaul (No. 11) from Taft.

**Burroughs High cagers have rough time in SLO tourney**

Burroughs High School's varsity basketball team had a rough time competing last week in the San Luis Obispo tournament at San Luis Obispo, Calif.

The Burros squeaked by Arroyo Grande, 54-52, in their first tourney tilt on Thursday, Dec. 6, but lost their next two games to San Marcos and to the host San Luis Obispo quintet by scores of 91-77 and 69-61, respectively.

The low-scoring tourney opener against Arroyo Grande went right down to the wire before Mike Wirtz, topnotch forward for Burroughs, banked in a 5-ft. shot with just 3 sec. left to play to give the Burros a 2-point margin of victory.

Wirtz had been a doubtful starter because of ankle injuries, but was bandaged up and able to play. It was fortunate for Burroughs that this was the case, since Wirtz was the game's high point man with a career high of 28, including his game-winning basket.

**Good Defensive Team**  
Arroyo Grande, a good defensive ball club, hit 26 field goals, compared to 22 for the Burros, but the BHS cagers had an advantage in scoring at the free throw line — hitting 10 out of 13 while their opponents had just one opportunity at the charity stripe, and missed it.

The Burros got off to a 26-22 halftime lead against Arroyo Grande, and Wirtz accounted for 12 of the 14 points tallied by the local team in the third period of play.

San Marcos, a 4A school ranked sixth by the CIF, went on to win the SLO tournament, after knocking off the Burros 91-77 last Friday.

The BHS varsity squad held its own in the first quarter, which ended with San Marcos out in front by a score of 18-16. Led by John Korfas, an all-CIF guard who was voted the "most valuable" player in the SLO tourney, the San Marcos team pulled away to a 43-34 halftime lead.

The Burros, who were outscored 23-16 in the third period, rattled the hoop for 26 points (their highest single quarter total of the game) in the fourth period, but the San Marcos squad tossed in 25 to win by a 14-point margin of 91-77.

Both Burroughs and San Marcos had 32 field goals, but the San Marcos quintet cashed in on 27 of 34 attempts at the free (Continued on Page 7)

**Burros varsity hoopsters stomp Bishop Broncos**

Smarting a bit from their defeats by two opponents in the San Luis Obispo tournament last weekend, the Burroughs High School varsity cagers traveled to Bishop High on Tuesday night where they stomped the Broncos by a final score of 96-62.

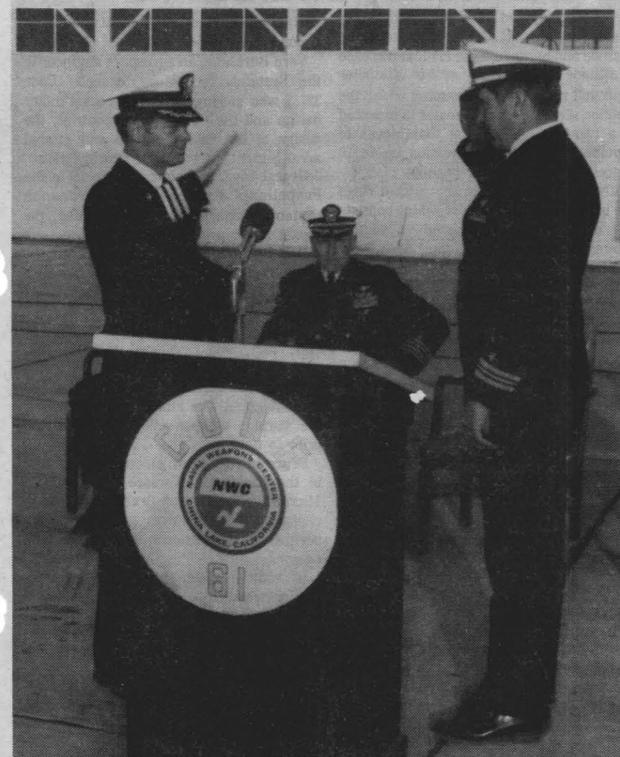
Larry Bird, head coach of the Burros varsity, had the chance to get a look at every player on the squad, as he cleared the bench during the first half and everyone — starters and reserves — got in on the scoring as the Burroughs High team built up a 48-27 halftime lead.

Combined efforts of the Burros' reserves resulted in 38 of the 96 point total scored in the Bishop game. The local high school varsity squad wound up its efforts with a 30-point fourth quarter effort against the Broncos.

The Burros weren't up to par in the free throw department, Coach Bird reports, as they cashed in on just 8 of 20 attempts at the foul line. In contrast, the Broncos hit on 24 of 40 charity tosses.

The game's top scorer and leading rebounder was Mike Wirtz, of Burroughs, who tallied 22 points and grabbed 9 caroms. In addition, Dalton Heyward and Steve Motte chalked up 18 and 14 points, respectively.

The Bishop Broncos were led in the scoring department by Lee Tatum, a guard, and Chris Eldridge, center, who tallied 14 points each.



**CEREMONIAL SALUTE** — Cdr. Rod Knutson (l.) exchanges salutes with LCdr. Gerry A. Pike, while Capt. W. B. Haff, NWC Commander, watches. LCdr. Pike became Commanding Officer, Enlisted Personnel, during a change of command ceremony that took place shortly before Cdr. Knutson's departure to his new duty station at Miramar Naval Air Station in San Diego. — Photo by Ron Allen

**LCdr. Pike becomes Commanding Officer of Enlisted Personnel**

In a traditional, deeply moving Change of Command ceremony last Monday morning LCdr. Gerald A. Pike relieved Cdr. Rod Knutson as Commanding Officer, Enlisted Personnel.

Capt. W. B. Haff, NWC Commander, said in his address that LCdr. Pike will have big shoes to fill because "Rod Knutson is one of the finest officers we have ever had at China Lake. He has set superlative standards for all of us."

Capt. Haff continued, "People are the most precious commodity that we have. You are the team, the heart and blood of the Command. Make it the best by giving the best of yourself."

Cdr. Knutson, in his remarks prior to reading the orders relieving him, told the enlisted personnel that he would not have been able to be at China Lake if personnel such as they had not done their work properly because his survival had depended on the aircraft from which he ejected after being shot down over North Vietnam and the ejection equipment functioning well.

"The success of a Commanding Officer is measured by his accomplishment," Cdr. Knutson continued, "but, in reality, it is the accomplishments of each man and woman of his command that make his accomplishment possible."

"I urge each of you to seek the highest standards in life for your career in the Navy," Cdr. Knutson concluded.

In a short address following his reading of his letter of appointment as Commanding Officer, Enlisted Personnel, LCdr. Pike noted that he has been afforded a unique opportunity in following Cdr. Knutson in that position.

He stated that he believes in the same goals that Cdr. Knutson had established to "provide each of you with a more fruitful career, and to provide the leadership to make this possible."

LCdr. Pike was assigned to the post of Commanding Officer, Enlisted Personnel, when a last minute change of orders

assigned Cdr. Paul Valovich as Deputy Project Manager for the F-18 software program in Code 3107A of the Systems Development Department. Cdr. Valovich had previously been slated to relieve Cdr. Knutson.

**Shortage of fuel oil emphasizes need to conserve all energy**

The Naval Weapons Center is experiencing difficulty in getting No. 6 fuel oil for its boilers. This difficulty underscores the need to conserve all energy possible by adhering closely to the nationwide heating regulations.

Passive heat created by wearing woolly socks, boots, and extra layers of clothing will have to take the place of the electric heaters that kept many Centerites warm in years past.

The use of auxiliary heaters is specifically forbidden in all areas where a room temperature of 65 degrees can be obtained by use of the building's heating system. The regulations against heaters are threefold, since the Department of Energy, Navy, and Naval Weapons Center regulations all forbid auxiliary space heaters.

Each of the Center's occupied buildings that are heated and cooled should have a yellow Certificate of Emergency Building Temperature Restriction Compliance posted on its walls listing the name and telephone number of the building energy monitor. If there is any problem with the heating and cooling system, or if the thermostats are not functioning properly, the energy monitor can call the HVAC shop at Public Works Dept. ext. 2777 for help.

Anyone working in a building that does not have a certificate posted (with the exception of residences, hospitals, child care centers or elementary schools, all of which are specifically exempted) is asked to telephone the Energy Program Office, Public Works ext. 224.

**GOOD WISHES AT CHRISTMAS**

The coming of Christmas and a new year serves as an opportunity for us to thank each of you in the China Lake community, military and civilian, for the roles you play in support of the Naval Weapons Center and in the preservation of peace.

You who serve at the Center, both directly and indirectly, symbolize our nation's determination to sustain the high ideals that have made America a protector of freedom and a haven for the persecuted. Within our Center and its diversity of people thrive the spirit of patriotism and the love of country that are emblematic of our national vitality and strength.

To each and everyone of you, and your families, please accept our warmest good wishes for a joyous holiday season and a satisfying and happy new year.

*R.M. Wilger*  
Technical Director

*W.B. Haff*  
Captain, USN  
Commander

**Good advice for motorists offered by traffic safety program speakers**

The average driver can get up to 30 percent better gas mileage by practicing more energy conserving driving techniques, according to "Featherfoot," a film shown at the annual holiday season traffic safety meetings held in the Center theater on Wednesday, Dec. 5.

The film stressed the need to reduce idling time (with no warm-up of engines needed), to obey the speed limit, to apply accelerator pressure evenly and to travel at an even pace rather than to accelerate and brake often.

Also emphasized was that a well-tuned car with well functioning brakes and properly aligned and balanced wheels gets many more miles per gallon.

The two meetings were opened by Capt. L. P. Aldana, NWC Vice Commander, who noted that the annual program showed Command concern for safety, for drinking as related to driving, and for proper driving to conserve fuel.

Capt. Aldana also discussed the renewed emphasis on wearing seat belts at all times, especially while riding in or driving Navy vehicles. He added that spot checks would be made on the Center to see if all drivers and passengers are properly buckled in.

Chief Ron Nelson of the China Lake Police Division advised the audience not to mix drinking and driving because police personnel will be especially watchful during the holiday season for drivers "under the influence."

Chief Nelson said that a marked increase in traffic accidents on the Center this year had resulted from those who were not keeping their mind on their driving because the majority of these accidents had been caused by careless driving practices such as backing up in a parking lot without looking in the rear view mirror.

He also advised bike riders not to assume that motorists see them, and to stay in bike lanes whenever possible.

Officer Dave Fiddament of the California State Highway Patrol told the audience that it was much easier for an officer to write a traffic ticket than to write an accident report — and easier on the motorist as well.

He commented to those who might consider driving after drinking that "if you are Picked up, you'll have to walk home from Mojave, because that is where you will be taken."

Officer Fiddament referred to Capt. Aldana's discussion of the Navy seat belt program, adding that "I have never in the years that I have worked for the Highway Patrol seen anyone killed in an accident because they were wearing seat belts."

Cdr. Perry Patterson, Staff Judge Advocate, reminded the audience that if NWC personnel are convicted of driving while under the influence of alcohol, either on Center or elsewhere, they automatically lose all NWC driving privileges for one year.



**SAFETY CONSCIOUS** — Capt. L. P. Aldana (at left), NWC Vice Commander, shows Cdr. Perry Patterson, NWC Staff Judge Advocate; CHP Officer Dave Fiddament; and Ron Nelson, Chief of the NWC Police Division, safe driving pamphlets that were available free of charge in the lobby of the Center theater prior to the safe driving programs held last Wednesday. — Photo by Jerry Boylan

## Aircraft safety awards . . .

(Continued from Page 1)

maneuver the seat to a vertical seeking attitude and to provide the critical increase in altitude is supplied by an 8-in. diameter spherical rocket motor mounted under the ejection seat. This rocket motor is mounted in a two-axis gimbal ring that moves to provide thrust in any direction up to 20 degrees from the center position.

Steering commands to the gimbal rings are initiated by the autopilot, which consists of a three-axis sensor system, a central processing unit, and the necessary associated electronics.

The capability of the VSS was demonstrated last year. Within about one second after ejection was initiated from an upside-down cockpit suspended 100 ft. above the ground the ejection seat maneuvered to a near vertical attitude about 55 ft. above the ground — its lowest point in the flight trajectory.

At rocket motor burn-out the seat had reached an altitude of slightly more than 100 ft. and continued on to 137 ft. where the parachute opened normally and floated an anthropomorphic dummy (used to simulate a pilot) back to earth.

This test demonstrated the capability of the VSS to increase the safe ejection "envelope" to any altitude above 50 ft. without regard to aircraft attitude.

According to Stone, an equally important benefit of the VSS is the elimination of severe neck and back injuries caused by rapid parachute deployment of an aircraft ejection seat. The altitude gaining feature of the VSS and the relatively long period of stabilized flight permits a delay in the opening of the parachute.

During this delay, wind resistance substantially reduces the ejection seat's velocity, and this, in combination with the normal aerodynamic parachute opening, effectively eliminates high opening shock loads.

A number of NWC employees, in addition to those honored by SAFE, played important parts in the development of the VSS. Among them were:

Vern Burkland, an aerospace engineer in the Systems Technology Branch (Code 3273), who was involved in the rocket motor design and the thrust vector controls, the design of the VSS actuators and gimbal arrangement, as well as the rocket motor.

George Sieg, a chemical engineer in the Propellants Branch of the Ordnance Systems Department, who handled the rocket motor processing and loading.

Bob Bush, a project engineer from the NWC Test and Evaluation Directorate's Ground Projects Branch, who was the test engineer at SNORT.

Dennis Bishop, a mechanical engineer in Code 3921, who developed mathematical models of the various VSS control systems in order that they could be run through a computer and thus enable performance of the various components to be predicted prior to field tests.

Bruce Heydlauff, an electronics engineer in the Electronic Warfare Department's Microwave Radiometry Branch, who was in charge of a microwave radiometric experiment in connection with a VSS vertical sensor.

In addition, Vern Monckton, an electronics technician in Code 3921, and Joe Schmidt, an aerospace engineering technician in Code 3273, assisted with the design and assembly of the VSS, and helped out during the tests at SNORT.

## Travel, SATO to move to new locations in Administration Bldg.

In order to more nearly achieve one-stop service for NWC official travelers, the Travel Office and the Scheduled Air Traffic Office (SATO) will be moving tomorrow and will be in their new locations ready for business on Monday.

SATO and two Personnel Support Detachment transportation clerks will be moving in next door to Disbursing, and will occupy Rms. 1027 and 1028 in the Administration Building. There, travelers can make reservations, pick up tickets, and obtain funds in advance to cover their travel expense.

At the same time, the Travel Office (Code 08642) is moving to the old SATO location in Rms. 1048 and 1050 of the Administration Building. Centerites on official travel must stop at the Travel Office only if they are walking through travel orders for authentication. Travel claims will be processed in Rms. 1044 and 1046.

Another move that is a part of this switching around of office space in the Administration Building involves the division head and staff of the Accounting and Disbursing Division (Code 086 and 08608). This group of employees will be moved to the former Travel Office location in Rms. 1051 and 1053.



THE PARTY'S OVER — Transport aircraft (C-131s) from the 146th Tactical Air Wing of the California National Guard move toward a small group of Seabee Reservists who are waiting to return to their weekend drill sites in Arizona, Nevada and California. The flight home followed a mobilization exercise combined with weapons familiarization and small unit leadership training that was held at the Marine Corps Air/Ground Combat Center in Twentynine Palms, Calif.



—Photos by CM2 Jerry Morrison

WEAPONS FAMILIARIZATION — Two members of China Lake Detachment 0217 of Reserve Naval Mobile Construction 17 test their marksmanship while firing an M-60 machine gun during a recent mobilization training exercise that took them to the Marine Corps Air/Ground Combat Center at Twentynine Palms, Calif. The weekend warriors are CM2 Michael Welch (at left) and CNI F. E. McGuire.

## Seabee Reservists from China Lake take part in mobilization exercise

More than 30 members of China Lake Detachment 0217 of Reserve Naval Mobile Construction Battalion 17 took part in a recent mobilization exercise, along with other Seabee Reservists of RNMCB 17 from Phoenix and Tucson, Ariz.; Las Vegas, Nev.; and Bakersfield, Port Hueneme and San Diego, Calif.

The Seabee Reservists — a total of 426 from three states — were airlifted from their training centers to an airfield at the Marine Corps Air/Ground Combat Center, Twentynine Palms, Calif., where they were involved in military training with emphasis on weapons familiarization and small unit leadership.

RNMCB 17 was notified ahead of time that all companies and detachments would be placed on alert for a mobilization call up. The exact time and place was kept confidential, however, until just prior to the mobilization drill.

After reporting to their weekend drill sites on a Friday night, the Seabee Reservists learned that the mobilization exercise was underway, and they made preparations for the flight to Twentynine Palms.

The Seabee Reservists from China Lake were flown by helicopter to the training site, while others were airlifted in C-131 transports. Upon arrival at Twentynine Palms, they were issued field gear and weapons. Objectives of the training exercise, in

## Hungry jackrabbits gobbling up golf greens to be shot

Golf course personnel have noted that the severe depredation of greens due to hungry jackrabbits has continued, and that unless the rabbit population is reduced some of the greens will need complete replacement.

With great reluctance the decision has again been made that a controlled reduction program is necessary, and the China Lake Police Division will conduct a limited shoot on Monday, Tuesday and Wednesday between 6 and 9 p.m.

All Centerites are asked to remain clear of the golf course during these times, and parents especially are urged to keep their youngsters away from that area.

Shooting of the rabbits is only an interim measure to avert further damage. If the weather remains mild, it is expected that the number of rabbits feeding will again increase after the shoot.

To assist in controlling the rabbit population on the course, estimates of the cost of clearing and or thinning the vegetated areas are being prepared. Fencing the course has been studied as a permanent method of protecting the course, but the estimated cost of the 5 miles of fence needed exceeds \$350,000.

addition to rapid mobilization in a call-up situation, were to test battalion readiness, to allow the battalion staff to function in a simulated military situation, and to prove the effectiveness of the Seabee Reservists.

The staff of RNMCB 17 initiated and planned the exercise, and also was involved in the logistics effort that went into coordinating the participation of nine separate support activities.

The weapons training classes included familiarization with and firing of M-16 rifles, M-60 machine guns, 81mm mortars, grenade launchers, and LAW rocket launchers.

The weapons training was concluded by a night demonstration of uncontrolled vs. controlled fire power that was conducted by military instructors from the 31st Naval Construction Regiment from Port Hueneme.

### Impressive Show

The heavy blasts of 81mm mortars, coupled with tracers from the machine guns, and the action of fire teams armed with rapid-firing rifles made an impressive show that was described to those viewing it by an announcer who read from a script and used a public address system.

The Marine Corps Air/Ground Combat Center at Twentynine Palms supported the Seabee Reserve training activity by providing a bivouac area, weapons firing ranges, radio communications, use of an airfield for arrival and departure, refueling of trucks and generators, and field rations requisitioned by RNMCB 17.

Equipment such as tents, field gear, sleeping bags, weapons and ammunition, was made available by the 31st Naval Construction Regiment at Port Hueneme, which also provided instructors, an advance party and a clean-up detail.

### Other Reserve Units Involved

Other military reserve units involved in the mobilization exercise were the 146th Tactical Air Wing of the California National Guard from Van Nuys (pilots and crew of the C-131 transports); and also an Army Reserve helicopter squadron from Los Alamitos, which flew members of China Lake Detachment 0217 of RNMCB 17 to Twentynine Palms and back.

Air traffic control was the responsibility of personnel from the 3rd Marine Air Wing at the Marine Corps Air Station, El Toro, in Santa Ana, Calif., while ground transportation was handled by members of the 250th Transportation Co., of the 311th Support Brigade, an Army Reserve group from El Monte, Calif.

The hot meals that were served at times in place of field rations were provided by a specialized mess unit from the 916th Field Depot, USAR, and members of the 4th Medical Battalion from San Diego were on hand to meet any medical emergencies or needs.

## YNSN Mackey selected as NWC Sailor of Month for November

Yeoman Seaman Paul Mackey has been selected as the Naval Weapons Center Sailor of the Month for November.

In the letter recommending him for this honor, LCDR. G. A. Pike, former associate head of the Military Administration Department, notes that "YNSN Mackey is a topnotch performer and dedicated Navy man. He carries out all assigned duties cheerfully, willingly, and accurately, meeting all deadlines."

YNSN Mackey was also commended for his dedication to improving the morale and welfare of his peers by volunteering his off-duty hours to serve on the Enlisted Mess Open Advisory Board and serving as its chairman.

The letter continues that "he has demonstrated excellent managerial capabilities and further dedication by volunteering to coordinate a Christmas party for military dependents and expanded it to include children of all Naval Weapons Center personnel."

YNSN Mackey has been in the Navy for 14 months, and has been at China Lake since Feb. 25. He comments, laughing, that all the sunshine here is very boring, because he is used to living in Syracuse, N.Y., which has a worse climate than Buffalo, N.Y., and is the second rainiest city in the country.

This winter he plans to seek snow north of the Center to practice his hobby of downhill skiing. His other hobby, he adds, is "pinball, pinball, pinball."

YNSN Mackey has relatively little time to spend on hobbies because of studying for a degree in journalism from the Naval Campus for Achievement conducted by the University of Western Florida.

Prior to enlisting in the Navy on his 23rd birthday, YNSN Mackey had completed nearly three years of college work at Adams



YNSN Paul Mackey

State College, Alamosa, Col., and Syracuse University, Syracuse, N.Y.

He hopes to complete his degree program through the College Level Examination Program, correspondence courses, and courses offered on-Center because the Naval Campus for Achievement program permits military personnel to finish degree requirements without having to spend the last year of class work in residence at one university.

As a result of his selection as Sailor of the Month, YNSN Mackey will get an NWC plaque, a letter will be put in his service jacket denoting his selection, and he will receive a free dinner for two at the Enlisted Mess.

## Xmas star, lights at chapel to shine for holiday season

The spirit of the holiday will shine through this year despite the limitation on exterior holiday lighting required by the need to conserve energy.

The Christmas star will shine on B Mountain starting this weekend; the manger scene and the Hanukkah Festival of Lights display will be lit at the All Faith Chapel; and the roof ridge lights will also shine at the Chapel. Santa Claus will be spotlighted at the main gate to welcome NWC personnel as they come aboard.

Exterior decorative lighting of other buildings on Center, including family and bachelor housing, will not be permitted, in the interest of conserving fuel oil used to generate electricity. Conservation has become even more important as a result of the uncertain world situation.

## 1980 CB, Amateur Radio decals now being issued

The Naval Weapons Center's 1980 decals for Citizen's Band and Amateur Radio transmitting equipment are now available and can be obtained from the Communications Division, located in the telephone office behind the Administration Building.

Those wishing to obtain such decals should bring in their Federal Communications Commission license, and a copy of their NWC permit if they are seeking a renewal for 1980.

All Centerites who bring vehicles equipped with radio transmitting gear on board are required to obtain a Center permit and decal as outlined in NWC Instruction 2374.1.



VISITORS FROM NAVAL AVIONICS CENTER — Here recently for a two-day orientation on the many varied facilities and types of project work carried out at the Naval Weapons Center were five of the directors from the Naval Avionics Center in Indianapolis, Ind. Before entering the Management Center of Michelson Laboratory for a welcome by Bob Hillyer, NWC Technical Director, the visitors had a look at the weapons exhibit in the lobby of the laboratory. Shown with Gerry Schiefer (at left), head of the NWC Electronics Warfare Department, are (l.-r.) Robert Barnett, Louis Lundberg, Jonathan Ketner, George Goodier, and Jack Loser, who are the Directors of Engineering, Manufacturing, Test and Evaluation, Long Range Plans, and Applied Research, respectively, at the Naval Avionics Center. This was part of an information exchange between NWC and NACI. Earlier this year, three NWC department heads—Bill Porter, Bob Boot and Jack Russell—visited NACI for a similar orientation.

## Earthquake prediction studies underway . . .

(Continued from Page 1)

ocean is); when the noise goes above this threshold, the machine will switch on. A magnetic recorder will then record for nine seconds on a tape that runs at about 30 in. a second, and will then switch off and wait for the next ultrasonic emission.

This tape will be collected weekly, and will be run through a computer to digitize the signature (the tracings). These signatures can then be analyzed by means of a computer program that has been developed.

Waveform blasts will be recorded, but the microseismic waves can readily be distinguished from these because the microseismic waves are low frequency waves, and blast waves are high frequency waves.

## Bluejacket of Month . . .

(Continued from Page 1)

consequently demanding, job within the division. His performance has never been anything less than outstanding."

AKI Enriquez is serving his second tour of duty at NWC, having first come to China Lake after completing boot camp and "A" school in 1970. He was attached to the Naval Air Facility at that time, but actually worked in the same warehouse (warehouse 64) in which he is now located. He came to NWC as an E-1 and a bachelor and left in June 1974 as an E-5 and a married man.

He and his wife, Joan, spent three years in Iceland before being transferred to Pensacola in 1977, where he served as a recruiter for a year. At that time AKI Enriquez re-enlisted for four years with the understanding that he would be stationed at NWC once more.

His love for the desert began in Arizona, where he was born in the town of Miami and grew up in San Manuel. During his last year in high school his parents, five sisters, four brothers and he moved to Anaheim, where his parents still live.

Currently he and his wife are buying property in Inyokern, where Mrs. Enriquez and their son Robert and daughter Christina will reside when AKI Enriquez goes to sea in mid 1981.

AKI Enriquez enjoys hunting and fishing, but claims that his biggest interest is sports. In pursuit of this hobby he belongs to the Mojave Desert Sports Officials' Association and referees all types of sports activities. Recently he has begun officiating at Burroughs High School basketball games, including the girls' basketball activities.

In further pursuit of his interest in sports, AKI Enriquez notes that he likes to get involved with Little League. In the three years that he spent stationed in Iceland he

waves.

A microseismic recorder is also being set up to record minute earth tremors so that these tracings can be compared to the ultrasonic recording signatures. The aim is to predict the seismic events — earthquakes — on the basis of the ultrasonic recordings because the ultrasonic emissions will occur first, and then be drowned out by earth shaking.

Glen Roquemore, who is in charge of the ultrasonic emission program, feels that accurate prediction of earthquakes will occur within five years, but that being able to pinpoint the magnitude of such quakes will take many more years of research.

This region is especially well adapted for

began working with Little League by coaching a team for two years and umpiring for one.

For being selected as Bluejacket of the Month for November, AKI Enriquez and his wife will be guests of a member of the Military Affairs Committee of the Greater Bakersfield Chamber of Commerce in Bakersfield.

When they go to Bakersfield, they will be given free lodging in a motel of their choice, with meals paid for by the Chamber of Commerce. They will also be guests of the Military Affairs Committee at a Friday morning breakfast meeting of that committee.

## Time cards due early because of holidays; must be turned in by 8:30 a.m. Dec. 21, 88

All personnel who are responsible for the submission of employee time cards are reminded that, because of the Christmas holiday on Tuesday, Dec. 25, time cards for the regular work week ending on Dec. 22 must be turned in no later than 8:30 a.m. next Friday, Dec. 21.

This is necessary in order to meet the normal requirements of the Center's financial system during Christmas week.

No time cards are to be held out, since failure to provide the Payroll Office with an accurate time card by the Dec. 21 deadline may result in a delay in pay for employees.

In order to meet the Dec. 21 deadline, it will be necessary for departments to project or estimate what will occur next Friday, and submit timecards by 8:30 a.m. on Dec. 21. On Friday afternoon, if

it is discovered that a time card projection was in error as submitted, the error can be corrected by departments who are asked to send their payroll representatives to the to the Payroll Office to make any corrections between 3 and 4:30 p.m. on Dec. 21.

Any time card errors discovered after Dec. 21 should be corrected by sending a memorandum to the Payroll Office, Code 08641, during the following work week.

Any overtime worked on Friday night, Dec. 21, or Saturday, Dec. 22, should be submitted on a supplemental time card for payment the subsequent pay period.

This same procedure also will have to be followed for the work week ending on Dec. 29. In this case, employee time cards will be due at 8:30 a.m. on Friday, Dec. 28.