

## TV Booster group selects new board at annual meeting

An 8-member board of directors, which will be responsible for guiding the affairs of the Indian Wells Valley TV Booster, Inc., during 1978, was elected during the organization's annual meeting held last week.

Six of the eight board members were re-elected for additional terms. They are Don Stanton, Dick Mahan, Jim Rieger, Dan Ryan, Mike Ripley and Lita Reid. Two newcomers to the board, both employees of the Naval Weapons Center, are Gene Schneider and Henry Weisbrich.

### To Serve as Consultant

In addition, Bob Fletcher, past president of the board who was not a candidate for re-election, was named a consultant to the board of directors.

During last week's annual meeting, by-laws were waived temporarily and a rotation system was adopted whereby the length of each board member's term of office was determined by a drawing.

Those drawing two-year terms were Weisbrich, Ripley, Rieger and Ryan, while Miss Schneider, Stanton, Mrs. Reid and Mahan will serve one-year terms.

In other business taken up at this meeting, a nominating committee proposed the following slate of candidates for the various officers on the board of directors who will be voted upon at the January meeting. The nominees are:

Mahan and Stanton, for president; Rieger and Ryan, for vice-president; Miss Schneider, for secretary, and Ripley, who was nominated for another term as treasurer of the IWV TV Booster, Inc.

### 78 Dues Payable

All local area residents who benefit by reception of television and FM radio programming that is made possible by the operation of the booster system are reminded that dues for 1978 are now due and payable. The fee is \$5 or more per person. Checks made payable to "TV Booster" can be sent to TV Booster, P. O. Box 562, Ridgecrest, CA 93555.

## Nutcracker Suite ballet to be staged at BHS lecture ctr.

The Nutcracker Suite ballet will be presented by the Ballet Arts Theater in the Burroughs High School Lecture Center tomorrow at 7 p.m.

The dancers will be accompanied by piano students taught by the Desert Area Music Teachers Association.

A brass choir composed of students from the Burroughs High School Music Department will perform before the ballet, and the Sierra Winds and Sierra Ayres consorts, whose members play recorders, will play new and old Christmas music following the performance.

Tickets are priced at \$1 per person. They may be purchased in advance at either Loewen's or the Music Man in Ridgecrest, or at the lecture center box office prior to the performance.

Proceeds from the performance will be used to help pay for the new grand piano at Burroughs.

## Hours of operation for business, rec facilities during holiday period outlined

All business and recreation facilities aboard the Naval Weapons Center will be closed on Christmas Day — Sunday, Dec. 25 — except Hall Memorial Lanes which will be open holiday hours of 11 a.m. to 11 p.m.

The only facilities open on New Year's Day — Sunday, Jan. 1 — will be, again, the bowling alley, from 11 a.m. to 11 p.m. and the China Lake golf course, which will have its normal hours of operation.

The gymnasium will be closed on both Dec. 25 and Jan. 1, with holiday hours of 11 a.m. to 7 p.m. maintained on Dec. 24, 26, 31, and Jan. 2. Otherwise it will be open during



**SPIRIT OF CHRISTMAS DISPLAYED** — While the balmy, Indian summer-like weather belied the fact that it is December, there was no lack of holiday spirit among the participants and viewers of Ridgecrest's eighth annual children's Christmas parade, which was held last Saturday. In this camera's-eye view of the procession can be seen (top left) a car carrying Capt. Frederic H. M. Kinley, NWC Vice Commander (who represented Rear Admiral W. L. Harris, NWC Commander). Seated next to Capt. Kinley is his daughter, Kara. No one can mistake the costumed figure of Santa, who is standing in the vehicle seen in the photo at top right, while in the center row of photos are a pony-drawn sleigh driven by Bob Cornelius, and a decorated pickup truck prepared for the parade by the members of Xi Lambda Chi Chapter of Beta Sigma Phi Sorority. A portion of Murray Junior High's marching band, first place winner in the junior high band category, can be seen at lower left, next to the first place trophy winner in the religious float class — an entry from the Grace Lutheran Church which featured members of the children's choir who sang "Joy to the World" as they rode along the parade route.

—Photos by Ron Allen

## Happenings around NWC

Members of the cast will be chosen for "Raisin in the Sun," following tryouts that will be held on Jan. 9, 10 and 11 for the China Lake Players' first production of 1978.

According to Elena Vitale, the director, the play deals with the life of a black family living on the south side of Chicago, and calls for an all-black cast.

Miss Vitale encourages all interested persons to try out for the play, whether or not they have had any previous acting experience. Additional information can be obtained by calling the director after working hours at 446-4843.

### Community Ctr. Closed Days

The Community Center will be closed during regular working hours (7:30 a.m. to 4:30 p.m.) during the period from Monday, Dec. 19, through Friday, Dec. 30.

During this same time, however, the Community Center will be open on those evenings on which special events have been scheduled.

For the two-week period that the Community Center is closed in the daytime, discount coupons for various entertainment attractions in southern California will be available at the Special Services Division

its normal hours of operation.

The Commissary Store will be closed on Monday, Dec. 26, and Monday, Jan. 2.

The Navy Exchange will be open on Thursday, Dec. 22, until 8 p.m., and Saturdays, Dec. 17 and 24, from 10 a.m. until 4 in the afternoon to accommodate holiday shoppers. It will be closed on Dec. 26 and Jan. 2.

All Employee Services Board facilities will be closed on Dec. 26 and Jan. 2. These facilities include the barber shop, the Child Care Center, the catering trucks, and the China Lake Propulsion Laboratory cafeteria.

office in Bennington Plaza.

### Dances Slated at Shuttle

The well known rock group "Pegasus" from the Los Angeles area will play for the dancing and listening pleasure of patrons at the Shuttle tonight and Saturday night from 9 until 1:30 p.m.

The "Pegasus" will also entertain the weekend of Dec. 30 and 31 from 9 until 1:30 p.m.

The Shuttle will be closed on both Christmas and New Year's days.

### New Year's Eve Party Set

The Chief Petty Officers' Club office is now selling tickets for the CPO Club's New Year's Eve Party. Tickets for the evening are priced at \$25 per couple.

The CPO Club will be open from 6 in the evening until 2 a.m. for the party, with a prime rib dinner and wine being served at 7 p.m. Included in the price of admission will be dinner, party favors, hats, drinks throughout the evening, and entertainment by "The Nuance," a five-piece combo from Hollywood.

The CPO Club will be closed Christmas Eve, Christmas day, Dec. 26, Jan. 1 and 2.

### Visitors' pass office to close Christmas Day

The casual visitors' pass office will be closed on Christmas Day. Because of this, "Special Events" visitor visor cards will be issued to visitors by guards on duty at both the main gate and the south gate to NWC between the hours 7 a.m. and 7 p.m. on Dec. 25.

During this period the guards will record the driver's name, number of passengers, vehicle type and license number, as well as the address to be visited.

Visitors planning to remain on board the Center after Christmas Day must return to the pass office on Monday, Dec. 26, to obtain a pass.

## SHOWBOAT

### MOVIE RATINGS

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

(G) - ALL AGES ADMITTED

General Audiences

(PG) - ALL AGES ADMITTED

Parental Guidance Suggested

(R) - RESTRICTED

Under 17 requires accompanying Parent or Adult Guardian

Regular starting time—7:30 p.m.

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

FRI.	16 DECEMBER
"THUNDER AND LIGHTNING" (PG)	
SAT.	17 DECEMBER
"SINBAD & THE EYE OF THE TIGER"	
	Released June 77 (G)
SUN.	18 DECEMBER
"BAD NEWS BEARS IN BREAKING TRAINING"	
	Released July 77 (PG)
TUES.	20 DECEMBER
"THE APPLE DUMPLING GANG"	
	1:30 p.m. matinee—regular adm.
WED.	21 DECEMBER
"ORCA"	
	Released July 77 (PG)
THURS.	22 DECEMBER
"ISLAND AT TOP OF THE WORLD"	
	1:30 p.m. matinee—regular adm.
FRI.	23 DECEMBER
"RUDOLPH THE RED NOSED REINDEER"	
	1:30 p.m. matinee—free adm.
	"EXORCIST II: THE HERETIC"
	Released June 77 (R)
SAT.	24 DECEMBER
"RACE FOR YOUR LIFE CHARLIE BROWN"	
	1:30 p.m. Matinee—regular adm.
	Released July 77 (G)
	CLOSED CHRISTMAS EVE AND CHRISTMAS DAY
MON.	26 DECEMBER
"MCARTHUR"	
	Released August 77 (PG)
WED.	28 DECEMBER
"NO DEPOSIT NO RETURN"	
	1:30 p.m. matinee—regular adm.
	"GREASED LIGHTNING" (PG)
FRI.	30 DECEMBER
"ESCAPE TO WITCH MOUNTAIN"	
	1:30 p.m. matinee—regular adm.
	"MARCH OR DIE"
	Released August 77 (PG)
SAT.	31 DECEMBER - JANUARY 1
	CLOSED NEW YEAR'S EVE
	CLOSED NEW YEAR'S DAY
MON.	2 JANUARY
"MOHAMMAD MESSENGER OF GOD"	
	Released March 77 (PG)
WED.	4 JANUARY
"THE EAGLE HAS LANDED"	
	Released March 77 (PG)
FRI.	6 JANUARY
"THE LAST REMAKE OF BEAU GESTE"	
	Released July 77 (PG)
SAT.	7 JANUARY
"YOU LIGHT UP MY LIFE"	
	Released August 77 (PG)

### Party reservations due

Reservations for the New Year's Eve Party at the Commissioned Officer's Mess must be made by Dec. 23. Tickets for the gala event cost \$12.50 per person, and are available now at the COM office.

The charge includes a prime rib dinner, which will be served from 7 to 9 p.m., drinks throughout the evening, and party favors and noisemakers.

Ed Frezza and "The Four Coins" will provide music for dancing from 9 in the evening until 1 a.m.

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From: _____	PLACE STAMP HERE
To: _____	



## nwc rocketeer

Naval Weapons Center  
China Lake  
California

Dec. 16, 1977

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### INSIDE...

Schedule of Church Services .....	2
Energy Conservation Guidelines .....	3
Toys for Tots Drive a Success .....	4
Fire Safety Suggestions .....	5
Sports .....	6
Christmas Parade Photos .....	8



**READY TO FLY** — An electronic component is being attached to the Carco flight table for "flight test" of the equipment. Users of the facility ordinarily conduct their own testing with the staff providing consultation when needed. Shown are (l. to r.) Thomas J. La Jeunesse, Arnold A. Moline, and Jon A. Schmidt.

## Arnold receives NWC Technical Director Award

The Naval Weapons Center's Technical Director Award was presented Monday morning at the weekly Commander's meeting to Phil Arnold, head of the Air-to-Air Systems Office in the Weapons Department.

According to R. M. Hillyer, NWC's acting Technical Director who made the presentation, Arnold was singled out for this distinction in recognition of his exemplary performance while serving on special assignment in the Aircraft and Weapons Requirements Branch in the Deputy Chief of Naval Operations' Aviation Plans and Requirements Division.

In addition to the letter of commendation for outstanding technical accomplishment that was presented by Hillyer, the honoree also received an engraved paperweight and a \$200 stipend which accompanies this special form of a Superior Achievement Award.

### On Loan for 7 Months

In brief comments that preceded presentation of the Technical Director Award, Hillyer noted that, due to its extremely heavy workload, the OPNAV staff could only respond to immediate needs and had no time to plan ahead. Arnold was loaned to OPNAV during a critical time in the air-to-surface weapons program last January and spent seven months in Washington.

"Your seven months in OPNAV proved to be unusually valuable to the Navy, especially in terms of the solid progress you helped it make towards defining an air-launched weapons procurement strategy. Achieving such a major initiative while simultaneously fulfilling the day-to-day duties of a primary OPNAV officer would be

## Electronic components of weapons systems 'flown' at hybrid simulation facility

By Mickey Strang

One of the busiest "airfields" on the Naval Weapons Center exists in the hybrid simulation facility where electronic components of weapons systems log thousands of "flights" regularly.

In the simulation laboratory, located in the computer wing of Michelson Laboratory, analog and digital computers are interfaced to model physical systems. These precise and detailed models can then be used for tests rather than the real systems, resulting in major savings to the Center.

While the principal work of the hybrid simulation facility has been in connection with missile flight dynamics, a number of other Center projects benefit from simulation studies requiring many repeated tests in real time or less than real time. (Real time for a missile, for instance, would be the time actually spent in flight.)

Because the simulation facility is hybrid, using both analog and digital equipment, it is extremely flexible. The proportion of analog and digital computers used can be varied depending on the need of each individual project.

The first line equipment of the facility consists of two hybrid computer complexes. Each complex has three analog consoles (manufactured by Electronic Associates Inc., of Long Branch, N. J.) and two digital computers (one of which is made by Digital Equipment Corp. of Maynard, Mass., and the other by EAI) and their necessary auxiliary equipment.

Electronic analog elements of the hybrid system couple readily to electronic weapon system components so that actual hardware being developed or tested can be exercised with the simulation system representing the rest of the weapon system. The component hardware in a missile flight test, for instance, would "think" it was actually flying.

### Tests Monitored by TV

Either of the two hybrid complexes can be connected to flight tables on which the hardware being tested is mounted. Closed circuit television monitors the tests for both the convenience and safety of project personnel conducting tests. The two hybrid complexes can actually be used in tandem, but no project so far has been so extensive that this capability has been required. Other older equipment is also maintained in the facility to meet specialized needs.

The Simulation Laboratory began on the Center about 15 years ago and has been a substantial facility for 10 years. The Center's investment in this equipment approximates \$5,000,000; the annual budget (Continued on Page 3)



**TECHNICAL DIRECTOR AWARD PRESENTED** — Phil Arnold (at left), head of the Air-to-Air Systems Office in the Weapons Department, on Monday became the latest recipient of the NWC Technical Director's Award, which was presented by R. M. Hillyer. Arnold was recognized for his outstanding efforts while serving on special assignment in the Aircraft and Weapons Requirements Branch in the Deputy Chief of Naval Operations' Aviation Plans and Requirements Division in Washington, D.C.

—Photo by Ron Allen

## Presentation of Michelson Lab Awards set Jan. 9

The Michelson Laboratories Awards will be presented on Monday, Jan. 9, during a luncheon in honor of the recipients. The luncheon will be held in the Mojave Room of the Commissioned Officers' Mess at 11:30.

The Michelson Laboratories Award recognizes individual effort for technical excellence based on singular effort in performance of individual duties which are outstanding in nature. These awards, established in 1964, are complementary to the Center's highest local award, the L. T. E. Thompson Award.

Reservations for the award luncheon may be made by phoning NWC ext. 2634 before 4:30 p.m. on Friday, Jan. 6.





### CATHOLIC CONGREGATION Confession Schedule

Monday through Friday, Dec. 19-23, Small Chapel ..... 11:15 to 11:30 a.m.  
Saturday, Dec. 24, Small Chapel ..... 4 to 5 p.m.  
No confessions Sunday, Dec. 25.

### Mass Schedule

Monday, Dec. 19, Small Chapel ..... 11:35 a.m.  
Main Chapel, Communal Penance Celebration ..... 7:30 p.m.  
Tuesday through Friday, Dec. 20-23, Small Chapel ..... 11:35 a.m.  
Saturday, Dec. 24, Main Chapel ..... Midnight Mass—carols sung at 11:30 p.m.  
Sunday, Dec. 25, Main Chapel ..... 8:30 and 11:30 a.m.

### PROTESTANT CONGREGATION

Sunday, Dec. 18, Main Chapel ..... Sunday School Christmas program—7 p.m.  
Saturday, Dec. 24, Main Chapel ..... Candlelight Service—7 p.m.  
Sunday, Dec. 25, Main Chapel ..... Regular Service—10:15 a.m.



**NEW LOCATION** — Priscilla Kinley and Dana Castillo look at sign denoting the new location of the Navy Relief Society office at Building 880 on King St., next to the Enlisted Galley. The Navy Relief Society office is open from 11 a.m. until 2 in the afternoon each Monday, Wednesday and Friday. During the next two weeks the office will be closed on Dec. 23, 26, 30, and on Jan. 2. In case of an emergency occurring on those days, clients are asked to contact the Red Cross.

## The Rocketeer

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

R. M. Hillyer  
Acting Technical Director

Dr. Robert H. Pearson  
Head,  
Technical Information Department

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



**DEADLINES**  
News Stories Tuesday, 4:30 p.m.  
Photographs Tuesday, 11:30 a.m.  
The Rocketeer receives Armed Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. Information in The Rocketeer is authorized for public release by the Office of the Commander, Code 003.  
Phones 3354, 3355, 2347

## Promotional Opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 092, Ext. 2049. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 096 or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisor appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

**Clerk-Typist, GS-223-3/4, PD No. 7733055N, Code 2302** — This is a part-time position. (Work schedule is Tuesday, through Friday, 22 hrs per week). Applications from status eligibles will be accepted. Incumbent is organizationally assigned to the staff office, Technical Information Department, but much of the work will be performed in the various divisions of TID in a relief capacity or when work overload situations exist. Incumbent performs a variety of clerical duties, such as maintaining correspondence, personnel, and building maintenance files; receptionist duties; typing correspondence, reproduction masters, and reports; making travel arrangements; and other job related clerical duties as required. **Job Relevant Criteria:** Ability to type with speed and accuracy; demonstrated ability to work with a minimum of supervision; knowledge of Navy correspondence and filing procedures; knowledge of NWC policies and procedures.

**Secretary (Typing), GS-318-5, PD No. 7740523N, Code 423** — This position is located in the Range Instrumentation Support Division. Duties are to act as a personal assistant to the division head — screening telephone and personal callers; reading and reviewing mail; preparing correspondence, preparing and maintaining personnel rosters and other reports as required. **Job Relevant Criteria:** Ability to work under pressure. Must exhibit initiative and good judgment. Must possess high degree of tact and diplomacy.

**Administrative Librarian, GS-1410-11, PD No. 7723054E, Code 2334** — This position is located in the NWC Library, Information Science Division, Technical Information Department. The incumbent plans and administers the operation of the NWC Library, a general-purpose recreational and educational facility of approximately 35,000 volumes. Chief duties are the supervision of three library employees, analysis of customer needs and requirements, development of library collections in support of such requirements, development and implementation of internal policies and procedures and of user education and public relations programs, planning and justification of budgets, selection and acquisition of printed and non-book media, and other duties assigned with library administration. **Job Relevant Criteria:** Knowledge of the fundamentals of library science; demonstrated ability to administer a general library program; ability to select, acquire, catalog, and classify print and non-print media; ability to supervise; ability to work harmoniously with a wide variety of people.

**Assistant Personnel Officer, GS-201-14, PD No. 7445017E, Code 0901** — Applications from status eligibles will be accepted. Operates as a full assistant to the personnel officer. Provides leadership and management necessary to evaluate and develop effective personnel programs and policies. **Job Relevant Criteria:** Demonstrated extensive knowledge of civilian personnel management programs and requirements; demonstrated ability to manage personnel program areas, including planning and budgeting; demonstrated ability to represent management, both within and outside of primary organization; strong ability and background in the application of behavioral sciences to an organization. Grade level subject to certification by OCP.

**File applications for above with Tina Rockdale, Bldg. 34, Rm. 204, Ph. 2674.**  
**Electronics Engineer, GS-855-9/11, PD No. 7735077E, Code 3511** — This position is that of electronics engineer in the Systems Simulation Branch, Systems Sciences Division of the Electronic Warfare Department. The incumbent designs, develops and evaluates complex software programs for use by a variety of airborne mini-computers. He also conducts analyses to establish software requirements and to assess software performance and effectiveness. The incumbent will be required to program in both machine and assembly language of the particular computer utilized. He will also have to efficiently translate programs from one computer to another. **Job Relevant Criteria:** Knowledge in the area of mini-computer design and operations, experience in writing or designing computer programs in machine and assembly language; experience in evaluating electronic systems and their software subsystems; ability to communicate well both orally and in writing. Promotion potential to the GS-12 level.

**Mathematician, GS-1204-9/11, PD No. 7735074E, Code 3511** — This position is that of mathematician located in the Systems Simulation Branch, Systems Sciences Division of the Electronic Warfare Department. The incumbent will conduct mathematical studies and analyses, especially those involving weapon systems design. He will evaluate proposed weapon system concepts. Evaluations will include such areas as technical soundness, ability, effectiveness and operational requirements. The incumbent will also be required to design real-time software programs. **Job Relevant Criteria:** Experience in evaluating and analyzing weapons systems; experience developing or modifying mathematical simulations on computer programs; experience designing software computer programs. Ability to communicate well both orally and in writing. Promotion potential to the GS-12 level.

**Aerospace Engineer, GS-861-9/11, PD No. 7735078E, Code 3511** — This position is that of aerospace engineer in the Systems Simulation Branch, Systems Sciences Division of the Electronic Warfare Department. The incumbent conducts studies and analyses the aerodynamics of weapon systems. These studies will be theoretical investigations augmented when necessary by tests and/or research programs which will be developed and monitored by the incumbent. The incumbent will undertake problems by use of analytical treatment or large scale computer digital computers. **Job Relevant Criteria:** Experience solving or addressing weapon system aerodynamic problems; experience in establishing testing or research procedures or programs; experience in the use of computers for simulation purposes. Ability to communicate well both orally and in writing. Promotion potential to the GS-12 level.

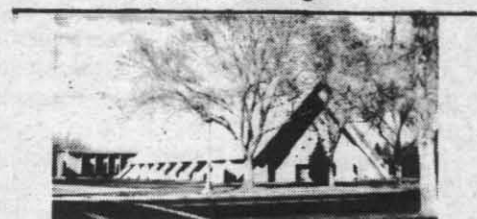
**Secretary (Typing) GS-318-5, PD No. 7735077N, Code 2302** — This position is located in the Shrike Program Office, Electronic Warfare Department. The position is that of Shrike Program office secretary. Incumbent types a wide variety of material, insuring the final copy is in accordance with DoD, Navy, and NWC instructions. Maintains program office files, provides information retrieval for program manager, receives and directs calls, mail, and visitors. Provides clerical support such as timecards, travel arrangements, conferences, program manager's calendar, etc. **Job Relevant Criteria:** Proficient typist (magnetic card machines); ability to deal tactfully with all levels of personnel; knowledge of regulations and procedures governing all forms of correspondence; ability to work independently; and ability to efficiently prioritize tasks.

**Police Officer, GS-083-4/5, PD No. 7724029N, Code 2413** — Applications will be accepted from status eligibles. Employees and status eligibles. This position is located in the Police Division of the Safety and Security Department. Incumbent will perform his duties as uniformed patrolman. He will be responsible for the prevention of criminality, repression of crime, apprehension of offenders, recovery of property, regulation of non-criminal conduct including traffic control and enforcement. In addition, to these duties the incumbent will function as the division canine handler. The incumbent will train in all aspects of narcotics and explosive detection utilizing a police dog. **Job Relevant Criteria:** Ability to work in stress situations; ability to exercise good judgment; knowledge of police investigation and patrol procedures; knowledge of laws and regulations; experience working with animals. Summary of qualification requirements: GS-4 two years law enforcement experience; GS-5 three years law enforcement experience. Promotion Potential to the GS-6 level.

**File applications for the above with Charlotte Sleskowski, Bldg. 34, Rm. 204, Ph. 3118.**  
**General Engineer, GS-801-12, PD No. 7436220-1E, Code 2468** — This position is located in the Product Assurance Planning and Requirements Branch, Product Assurance Division, Engineering Department. The incumbent will oversee the development and implementation of planning and production documents such as product assurance program plans, design/product to cost program plans and value engineering program plans. The incumbent will also formulate procurement plans for the acquisition of missile system R&D and production projects. Duties also include involvement in source selection, negotiation support and contract administration. **Job Relevant Criteria:** Knowledge of ASRP; knowledge of DoD Directive 5000.1; knowledge of Navy acquisition plans and procurement documents; engineering experience which has included five years experience in providing R&D and/or production engineering support.

**Personnel Management Specialist, GS-201-7/9/11/12, PD No. 4450111E, Code 096/097** — Applications will be accepted from both NWC employees and status eligibles. Provides personnel management advisory services in functional areas of classification, employment and employee relations to assigned codes. Incumbent is individually responsible for the analysis, evaluation and

(Continued on Page 5)



## DIVINE SERVICES

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

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

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

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

**RELIGIOUS EDUCATION CLASSES**  
Sunday First through 6th grades 1015  
Sunday Pre-school & kindergarten 1115  
Sunday seventh & eighth (Junior High) 1900  
Above classes are held in the Chapel Annexes across from the former Center Restaurant.  
Sunday evening Ninth through 12th grades  
As announced "In Home" Discussion Groups Youth Rallies  
Contact Chaplain's Office for specifics.

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

## Elks Lodge keglers take over 1st place in Premier League

By virtue of a three-game sweep over the ninth place team in the Premier Bowling League, the Elks Lodge keglers edged their way into first place, a single game ahead of Fisher Plastering, in Monday night's action at Hall Memorial Lanes.

While the Elks were knocking off The Place, the Fisher Plastering team lost two of its three games to the fourth place Saddleback Sales squad.

High team game for the night, a total of 1,007, was rolled by Ace Realty, while the league-leading Elks Lodge bowlers turned in the high team series (2,901).

Five bowlers, led by Ed Ranck's 633, topped the 600 series mark. They were Bill Zebley (621), Bill Osborne (615), Ken Dalpiaz (608), and Ernie Lanterman (603). Premier League bowlers who had singles game scores of more than 220 were: Don Heeke (235), Zebley (232 and 223), Ranck (232), Osborne (230), Chuck Albright (222), and Dalpiaz, Art Karrer and Cliff Moss (221).

## Burros lose . . .

(Continued on Page 7)

respectively. The 8-point margin of South High's win over Burroughs doesn't reflect the closeness of the game, for the two teams were tied at 21 each at the end of the first quarter, and the Rebels had a 2-point edge of 41-39 and 59-57 at the end of the second and third periods of play.

With 1 min., 2 sec., left to play, the outcome remained uncertain as the Burros were hanging on grimly — still just 2 points behind. The locals missed a lay-up at their end of the court, South hit a basket to go ahead by 4, and after that the Rebels slowed the game down and forced the Burros to commit fouls in an attempt to get the ball.

Missed Free Throws Costly

Inability to cash in on free throws turned out to be the difference in the final score, as the Burros missed on 18 tries at the charity stripe and also were outrebounded by the Rebels.

South High's Terry Palmer was the game's top scorer with 21, while Lee Ernst of the Rebels tallied 18. Other members of the Rebels' squad who got into the double-figure scoring column were Felix Ruffin and Mike Graham, who had 12 and 10 points, respectively.

High point man for BHS was Levy with 19. Other leading scorers for the Burros were Terry McRoberts (14) and Drake (13).

## L.A. Dodgers . . .

(Continued on Page 7)

In addition to Burke's 34 points, leading scorers for the Dodgers were Steve Yeager, the team's popular catcher, who tallied 17; Rick Rhoden, stellar hurler for the Dodgers, who pumped in 12 points; Tom Reamon, with 11, and Von Joshua, who hit 10.

For the BHS coaches, Duke Martin, assistant varsity basketball coach, led the way with 18 points, followed by Ted Bachman (14), Scott Shacklett and Rick Blosser (12 points each), and Frank Mazer, who came through with 10.

After the game, during which the Dodgers baseball players graciously consented to sign numerous autographs, the visitors were hosted at a reception held at the Commissioned Officers' Mess.

## Doug's Corner . . .

(Continued on Page 7)

Wednesday, Jan. 4.

The class, which is to be taught by Nancy Branch, will be held on Mondays and Wednesdays from 3:30 to 4:30 p.m., and there is a \$10 fee for the 10 class sessions that are planned.

Swimming skill is not necessary in order to participate in the water exercise class for women. Additional information can be obtained by the gym at NWC ext. 2334.

## Employee in the spotlight



William R. Knight

sider the size of the Center and the potential for fires and the type of work conducted here, fire prevention is vital," he emphasized.

Bill is particularly proud of the success of Fire Prevention Week last October; all the various agencies involved in fire fighting and prevention worked together to put on a series of programs and activities throughout the area. He is currently president of the Kern Fire Chief's Association.

### Valuable Protective Device

His current efforts are geared to the installation of smoke detectors in all local homes because he feels that the most important thing any individual can do to improve his chances of survival in a fire is to have smoke detection equipment in his home.

Home means a great to Bill. His non-work interests center around his lovely wife Marta and their four children: Erika, 10; Giselle, 9; Robby, 7; and Benji, 5. ("All born in November, so we have one great big family birthday party then!") Marta has been called "Mexico's ambassador to China Lake" because of the extent and variety of her local activities. Family activities include camping — "we really like to get the whole group out to enjoy the beauties of nature" — and sailing, although "we're between boats right now."

Bill was born in Sandwich, Ill., but considers San Diego his home town since his family moved there when he was in the sixth grade and he finished his schooling in

San Diego. He's a graduate of San Diego High, and attended San Diego City College.

Interestingly, within 13 years of his attendance at SDCC he was a faculty member there, developing the course teaching fire science in the first college curriculum to be offered anywhere in aircraft fire fighting and rescue. This curriculum developed because the San Diego Fire Department was scheduled (at that time) to take over the fire fighting at Lindbergh International Airport, and the skills needed to fight aircraft fires and affect rescues are different than the skills needed for structural fire fighting. He is currently on the advisory board for Cerro Coso Community College.

### Served in Air Force

Bill got into fire fighting because of his love for airplanes. While in military service he was an airplane and engine instructor at Sheppard Field ("never got out of the State of Texas while I was in the Air Force"), and when he returned to civilian life he wanted to continue his association with aircraft. A neighbor of Bill's was a training officer at Miramar Naval Air Station; through him Bill met Fire Chief Huber and eventually was able to join the fire department at Miramar. Bill credits this association with Huber as being a major factor in his professional growth.

A real special interest of Bill's is his association with the China Lake Chapter of Rotary International, of which he is a director. His father-in-law, who resides in Tijuana, Mexico, is active internationally with Rotary. The aspects of fellowship and service are what appeal most to Bill.

"Any fireman," he says, "has got to be more conscientious about his desire to serve mankind than about salary. Fire fighting is not just a job, but an opportunity to provide service to those who need it."

"I enjoy my work," Bill adds. "I've got a good family and good health. I've been so fortunate that I don't see how anyone could be blessed more than I have been."

## Information available on election to be held by Credit Union

Those seeking election to either the Naval Weapons Center Federal Credit Union Board of Directors or Credit Committee are asked to call members of the nominating committee for descriptions of the duties and responsibilities of elected officers and an outline of the election procedures.

Candidates may either be nominated by the nominating committee or they may gain placement on the ballot by submitting a petition signed by one percent of the membership eligible to vote (about 190 signatures would be needed at the present time).

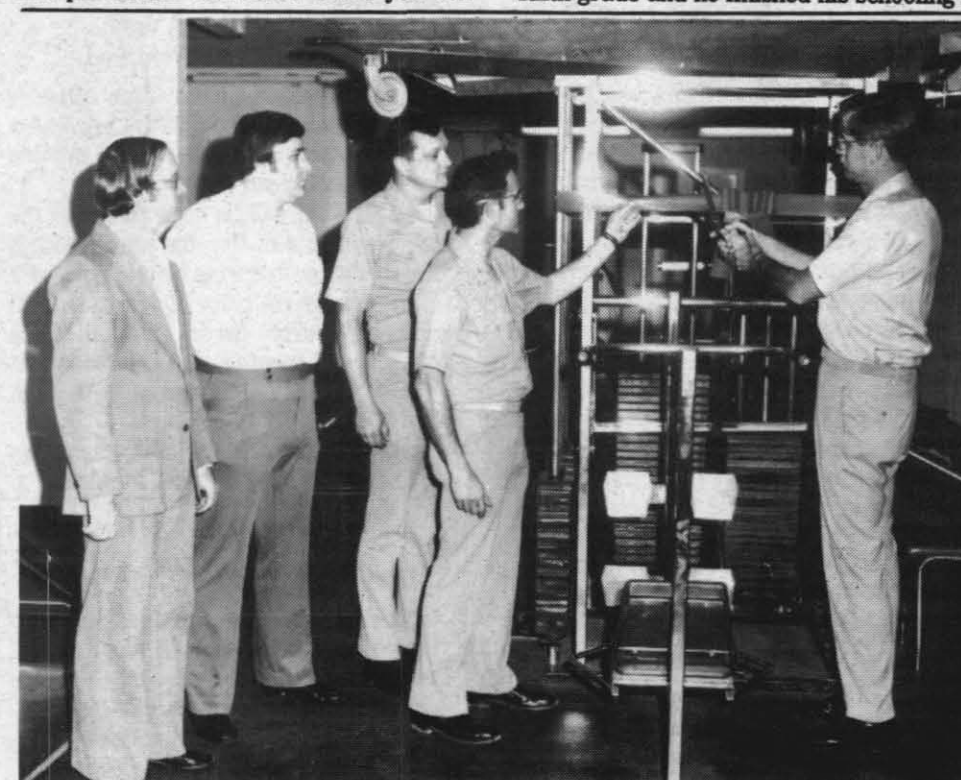
Balloting will be by mail prior to the annual March meeting of Credit Union members.

Chairman of the nominating committee is Bruce Wertenberger. He may be contacted by calling NWC ext. 5453. Other members and their telephone numbers are: Lee Lakin, ext. 3817; Dr. William McBride, ext. 2688; and Roy Miller, 448-4958.

## EEO Committee recruits for three new members

The Spanish Speaking Program Committee is recruiting for at least three new members. The committee needs volunteers who enjoy a challenge, who have ideas, and who are dedicated to the principles of equality, justice and fair play. Service on the committee would be on a collateral duty basis.

It is not necessary to be a member of an ethnic minority nor to speak Spanish to volunteer. Any employee interested in volunteering for service or seeking additional information on the tasks and responsibilities involved can call Joe Lopez in the Equal Employment Opportunity Office at NWC ext. 2348 or 2738.



**RIBBON CUTTING** — Capt. F. H. M. Kinley, Vice Commander of the Naval Weapons Center, cuts the ribbon on the new weight machine at the Center gymnasium while watched by (l. to r.) Special Services Recreation Director Bob Huey, Athletic Director Doug Nelson, Senior Chief Petty Officer of the Command FTCS Dave Vander Houwen, and LCDR. H. A. Wells, Assistant Public Works Officer. The new weight machine has eight stations, meaning that eight people can work on it at one time; it replaces a 4-station machine. Usage of the weight equipment at the gym warranted the new machine, since 50 to 75 people work out on the weight machine daily. The weight room at the gym is open from 9 a.m. to 9:30 p.m. weekdays, and from 11 a.m. to 7 in the evening on Saturdays, Sundays and holidays.



## Burros cagers lose 4th in row, 38-37, to North High

Members of Burroughs High School's varsity basketball team, due for a lay-off until after Christmas when they will enter the 3-day Kern County tournament in Bakersfield on Dec. 28, on Tuesday night sustained their fourth loss in a row in a game with North High in Bakersfield.

In contrast to the run-and-gun type of opponents they have been accustomed to playing in earlier non-league contests, at North High the Burros found themselves up against a team that chose to control the ball rather than score. The final result was a 38-37 win for the North High Stars.

In the first two periods of play, the North High quintet scored just 3 field goals but cashed in on 11 free throws which enabled them to hang onto a 17-15 lead at halftime.

The same scenario, followed by North High for the remainder of the game, almost backfired in the final 40 sec. of play when Steve Motte of Burroughs hit a field goal and then Terry McRoberts stole the ball and drove in for a lay-up that cut the Stars' lead to 38-37 with just 2 sec. left to play in the game. Time ran out, however, before either team could score again.

### Leading Scorers

The game's high point man was Tom Sultze, of North High, with 13. Leading scorers for the Burros were Will Levy and McRoberts, who had 11 points apiece.

Although the Burros outrebounded North High 30-16, inability on the part of the locals to cash in at the free throw line was a factor in their loss, as they scored on just 7 of 14 attempts at the charity stripe, compared to 18 of 24 by the North High hoopers.

Competing on Thursday and Friday, Dec. 8 and 9, in a double-elimination tournament at Cal-Poly in San Luis Obispo, the Burros varsity cagers were walloped 81-62 by the high school team which hosted the tourney, and then lost to South High School of Bakersfield on Friday by a final score of 73-65 in a consolation round match.

The Burros, whose overall lack of team height forces them to rely on quickness, were up against a team that had the edge both in quickness and more experienced players in their game with San Luis Obispo High.

### Burros Left Far Behind

The SLO hoopers got off to a 21-13 first quarter lead, and then broke the game wide open by tallying 28 points in the second period. At the halftime intermission, the hosts held a more-than-comfortable 49-28 lead.

The Burros were in foul trouble early in the game, and the San Luis Obispo team took advantage of this by hitting 13 of 19 free throws in the second period.

Coch Larry Bird initiated a different

## Entries still being accepted for Santa special golf tourney

Entries will be accepted until tee-off time at 8 a.m. tomorrow for the Santa's special golf tournament planned by the China Lake Men's Golf Club.

There is a sign-up sheet at the golf course clubhouse, and as of this past Tuesday afternoon, more than 70 golfers had entered this 18-hole event. Competition is to be at full handicap, with entrants placed in various flights based on the following handicaps: 8 and under, 9 through 11, 12 through 16, 17 through 21 and 22 and over.

There is a \$4 entry fee, and golfers will be vying for canned hams that will be awarded as prizes to one out of every four entrants.

A separate tournament, with an entry fee of \$2 per person, also will be open to junior golfers (anyone 18 years of age or under who is still attending school).

Prospective entrants in this event must have an established handicap or have played enough rounds at the local course for the tournament chairman to assign them a handicap.

The junior golfers also will be competing for prizes of canned hams that will be awarded to one out of every four entrants.

type of full court press in the third quarter and the Burros rallied — outscoring their opponents 19-8 and cutting the SLO team's lead to 10 points (57-47) as the fourth period began.

Midway in the final quarter, during which the host team once again found the range and rang up 24 points, Coach Bird began substituting players in an effort to get a bit more scoring, but the locals' 15-point effort wasn't enough to keep up with the SLO

squad, whose defense was rated as "superb" by Coach Bird.

The game's high point man was Marty Jocko of SLO with 24 (11 in the first quarter). Other leading scorers for the victors were Earl Miller, 18, and Keith Wheeler, who tallied 13.

The Burros were led in the scoring department by Richie Drake and Will Levy, who accounted for 18 and 14 points, (Continued on Page 7)



**2-POINTER COMING UP** — On this shot, Rick Monday, outstanding centerfielder for the Dodgers baseball team, dropped in 2 of the 9 points he scored in the basketball game between players from the Dodgers baseball team and a squad composed of Burroughs High School coaches. Lunging toward the basket to try for a possible rebound is Glenn Burke, the Dodgers' high scorer with 34. Players for the BHS coaches visible in this photo are Duke Martin (54) and Scott Shacklett. The Dodgers won the exhibition basketball game, 103-90. —Photo by Ron Allen

## Fans of L.A. Dodgers pack BHS gym for benefit basketball game

Local fans of the Los Angeles Dodgers, the 1977 National League baseball champions, packed the Burroughs High School gymnasium on Wednesday night of last week for an exhibition basketball game staged to help raise funds for improvement of high school athletic facilities—particularly the Burros' football stadium.

The event was a success—both from the standpoint of providing the multitude of those who follow the baseball fortunes of the Dodgers with a chance for a close-up look at some of their favorite players in action on the basketball court, as well as being a money raiser for an event that was co-sponsored by the Indian Wells Valley Century Football Association and the NWC Special Services Division.

Those who are partial to basketball also got their money's worth from the \$3 per

ticket admission price that was charged for the game, which was won, 103-90, by the Dodgers over a team composed of Burroughs High School coaches.

The Dodgers, whose top scorer was Glenn Burke with 34 points, got off to a 26-24 lead over the BHS coaches in the first quarter, and by the halftime intermission had increased their lead to 49-44.

Refreshed a bit by the mid-game break, the Dodgers returned to the court to outscore the coaches 26-20 and build up a 75-64 edge by the end of the third period.

In the final period of play, both teams scored well by getting 28 and 26 points (2-point advantage to the Dodgers) to make the final tally 103 to 90 in favor of the Dodgers, who turn to basketball in the off-season as a means of keeping shape.

(Continued on Page 7)



**POST-GAME RECEPTION HELD** — It was a happy group of Los Angeles Dodgers baseball players who delighted local fans with their appearance here during an exhibition basketball game played against an opposing team composed of Burroughs High School coaches. Following the game, which was played on Wednesday night of last week at the BHS gym, the visitors were the guests at a reception at which they received NWC plaques from Rear Admiral William L. Harris, NWC Commander, who

was joined in making the presentations by Ted Edwards, Mayor of Ridgecrest. Assembled for a group photo following the plaque presentations are (l.-r.) Dave Mirisch, manager-agent for the L.A. Dodgers' basketball team, Mark Cresse, Ron Joshua, Rick Rhoden, Mayor Edwards, Jimmy Wynn, RADM. Harris, Steve Yeager, Rick Auerbach, Tommy Reamond and Glen Burke. One other Dodger basketball player, Rick Monday, was unable to be present for the photo. —Photo by Ron Allen



### Doug's Corner

## Update provided on scores in Intramural Basketball League

The Devils Guns hoopers, winners by a score of 49-42 over Desert Motors, pulled into a tie for first place in Division A of the NWC Intramural Basketball League during games played last week.

In the only other Division A tilt of the week, the winless, Desert Motors quintet came close, but couldn't quite handle the Clansmen, who emerged with a 40-37 victory.

Two games also were played between Division B Teams. The Foremost Boys kept their undefeated record intact by grinding down the Worms, 70-27, but the Worms then turned things around by knocking off the Short Horns, 48-24.

In Division C contest, the Renegades picked up their third straight win, 42-31, at the expense of the Jokers, and the Wild Bunch corralled Team "X," 39-29.

### Racketball Tournament

Plans have been made for a doubles racketball tournament that will be scheduled during the first week in February. Racketball enthusiasts are urged to get a partner and sharpen up their game in preparation for this event.

More information will be published later in the ROCKETEER.

### Water Exercise Class

For the benefit of women whose New Year's resolutions may include plans to get into better shape physically, a women's water exercise class will be offered at the Center's indoor swimming pool starting on

(Continued on Page 7)

## 5-mi. prediction run scheduled Saturday

Signups for tomorrow morning's Over-the-Hill Track Club's prediction run will begin at 9 a.m. at the fairgrounds, with the five mile run itself beginning at 10. A \$1 entry fee is being charged.

The winner will be the contestant who predicts most closely how long it will take him to finish the course. Since speed is not a factor, anyone who can shuffle, stumble, walk, or run for five continuous miles has an equally good chance of winning. Medals will be awarded to those placing in the first 15 positions.

Additional information can be obtained by calling Scotty Broyles at 446-2941 or Norm Nieberlein at 375-8305.

## Hybrid simulation facility . . .

(Continued from Page 1)

The Simulation Laboratory is staffed by personnel of the Simulation Services Branch of the Computer Sciences Division of the Systems Development Department. Erwin Hoffer heads a branch of eight simulation technologists.

Electronic technicians in the group maintain and develop the equipment and are able to design special equipment not available if such is needed. The other branch personnel are professional scientists whose backgrounds are sufficiently varied to enable them to serve as advisors and consultants to project personnel using the Simulation Laboratory.

### Project Personnel Deeply Involved

With the help of these staff scientists, project personnel formulate their problem, develop the hybrid model, and conduct the studies themselves insofar as they wish and are able to do so. Hoffer emphasizes that project personnel are primarily involved in all phases of work at the Simulation Laboratory rather than it being a "poke the problem through a slot and come back to pick up the results" operation.

Project personnel can tailor the system to

## Guidelines set by CNO for heating energy conservation

The Chief of Naval Operations has promulgated heating energy conservation guidelines for the 1977-78 heating season.

The guidelines, which apply to all federal government-owned or leased buildings, other than personnel living spaces, establishes a maximum temperature of 65-68 degrees Fahrenheit during working hours and 55 degrees F. during non-working hours.

Warehouses and similar storage areas are to be maintained at no higher than 55 degrees F. during the heating season. The CNO emphasized that every effort must be made to achieve maximum conservation giving reasonable consideration to the health, safety and welfare of military and civilian personnel.

Exceptions to this policy will be limited to areas containing specialized equipment, involving the health and efficiency of employees, and certain installations of high specialization, such as hospitals, guard stations and laboratories. Such exceptions may be granted only after consultation with the Public Works Officer (Code 28), and after presenting written supporting evidence, such as a certification from the Medical Officer.

This subject and others concerning energy conservation are included in NAVWPNCEN Instruction 11300.5C to be issued in the near future.

## Early submittal of employee timecards requested Dec. 30

All personnel who are responsible for submission of employee timecards are advised that, because of the New Year's Day holiday, all timecards for the regular work week ending on Dec. 31 must be delivered to the Payroll Office no later than 11:15 a.m. on Friday, Dec. 30.

This is necessary because the processing of timecards must be completed by Dec. 30. No timecards are to be held out, since failure to provide the Payroll Office with an accurate timecard by the Dec. 30 deadline may result in a delay in pay for the employee.

Any overtime worked on Friday night, Dec. 30, or Saturday, Dec. 31, should be submitted on a supplemental timecard for inclusion on payroll checks covering the subsequent pay period.

meet their own particular needs. For example, test results can be recorded graphically by the analog part of the system, or they can be displayed digitally. Data can be presented immediately in refined form so that further computations are not necessary.

The capability of the Simulation Laboratory can also be utilized to ensure that actual operational tests will yield maximum results and information. For instance, weapon subsystems can be non-destructively checked out prior to actual flights to determine which flight parameters would prove most fruitful, as

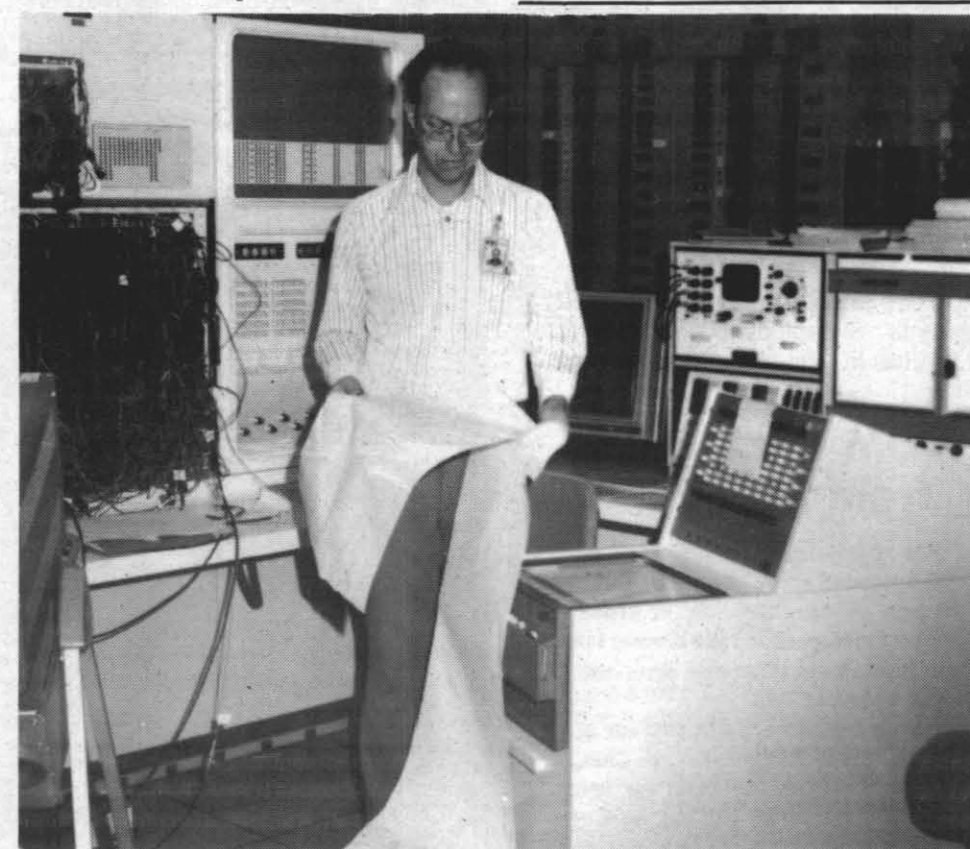


**DIGITAL EQUIPMENT** — Allyn R. Berryman of the Simulation Laboratory staff inserts magnetic tape cassette into one of the digital computers used in the hybrid simulation facility. —Photos by Ron Allen

well as to reduce incidence of real test failures.

If a component fails during tests in the Simulation Laboratory, it can be examined to determine why the failure occurred; if it fails during a flight, damage occurred in the resultant crash may well disguise the cause of the trouble.

The speed, flexibility, and precision of tests possible in the Simulation Laboratory — as well as the fact that it is non-destructive to the hardware components being tested — make feasible studies that otherwise would be prohibitive in cost.



**GRAPHICAL OUTPUT** — Robert T. Ferguson, Jr., of the Simulation Services Branch, examines graphical analog computer output. He is standing in front of one of the analog consoles; three of these analog consoles and two digital computers comprise each of the two complexes in the Simulation Laboratory.

## GOOD WISHES AT CHRISTMAS

As we celebrate the birthday of the Prince of Peace and look forward to a new year, let us be thankful that our country is at peace and pray for peace throughout the world. I am proud to be a part of the civilian/military team at NWC that, each of us contributing in our own way, works daily to protect and preserve this fragile peace.

Many of us will be reunited with families and friends over the holidays, some having to travel to these reunions. I urge all of you to be most careful in order that no accidents mar the holidays.

To all military personnel, civilian employees, and their families, I extend my best wishes for a happy holiday season and a prosperous and successful new year.

*R. M. Hillyer*

R. M. HILLYER

Acting Technical Director

## Arnold receives Tech Director Award . . .

(Continued from Page 1)

that Arnold served as the Air-to-Surface Guided Weapons Program Coordinator "the simple declarative that 'Mr. Arnold's performance has been outstanding' cannot convey the superlative manner in which he served or the measurable and significant results he attained."

Originally it had been expected that Arnold's expertise in weaponry would be utilized to complement the Fleet and line management experience of other personnel in the CNO's Aviation Plans and Requirements Division. However, due to a shortage of officers in the Programs and Requirements Branch, Arnold became the primary action officer on the staff of the Chief of Naval Operations for all matters relating to air-to-surface guided munitions.

### Exceeded Expectations

Prior to Arnold's assignment in OPNAV, it was believed that a non-aviator (regardless of intelligence, motivation or background) would be incapable of fulfilling the billet requirements.

However, VADM. Turner wrote: "In less than one month, Mr. Arnold proved this preconception to be false by mastering the numerous aspects of the weapons systems acquisition process, taking charge of his assignment and proceeding to professionally manage ongoing programs while undertaking several major initiatives."

As the designated program coordinator

for all air-to-surface guided munitions during his assignment to OPNAV, Arnold maintained an overview of the development, acquisition, and planning for logistics support of the Walleye, Laser Guided Bomb, Laser Maverick and Air-Launched Harpoon Programs.

As the single point of contact with OPNAV for all matters relating to these programs and several other developmental efforts, it was necessary for Arnold to interface with diverse organizations — ranging from the Office of the Secretary of Defense to deployed Navy Fleet squadrons and his counterparts on the U.S. Air Force staff.

"In very instance, his performance was superlative," it was stated in the letter of commendation signed by VADM. Turner, who also added that Arnold undertook the major task of developing a revised air-launched weapons procurement strategy. His basic plan, which is currently being reviewed in OPNAV, is expected to become the keystone for weapons development during the ensuing decade.

### At China Lake Since 1955

Arnold has been at China Lake since his graduation in June 1955 with a bachelor's degree in electrical engineering, which he received from Oklahoma State University in Stillwater. After a year in the Junior Professional program he joined the Weapons Development Department and worked for a number of years on the Sidewinder missile and its various subsystems.

Chosen to head the former Code 40 Electro-Mechanics Branch in 1961, Arnold's steadily increasing responsibilities included additional work on the Sidewinder, development of a Shrike missile test set, and support work in connection with development of the first forward looking infrared (FLIR) device prior to its deployment in Southeast Asia.

In addition, Arnold was a project manager on the highly successful YOV-10D Night Operation Gunship System used in Vietnam, as well as on the Navy Pavemif System — a laser designator for use on the A-6 aircraft.

For a brief period, Arnold headed the Weapons Development Department's Infrared Systems Division, and was project manager of the Agile program in the former Air Weapons Department (Code 51), before the Agile program was closed out and Code 51 was merged with the Weapons Department.

In October 1975, he became head of Code 39's Electro-Optics Division and was involved in the responsibilities of that position at the time he was called on to serve as the air-to-surface guided weapons program coordinator on the staff of the Deputy Chief of Naval Operations' Aviation Plans and Requirements Division.





**TOYS READY FOR DISTRIBUTION** — Marine Gy / Sgts. R. D. Baldwin (at left) and Vern Jester provided a helping hand moving to one central place for distribution the huge number of toys for needy children that were collected during the annual Marine Corps League-sponsored Toys for Tots Drive. A major source of contributions was the benefit country and western music program and dance that was held Sunday night at Joshua Hall on the Desert Empire Fairgrounds in Ridgecrest. This event brought in \$425 in cash, plus more than 200 toys.

## Country-western music show climaxes 1977 toy drive

A highly successful Marine Corps League-sponsored Toys for Tots drive was climaxed on Sunday night at Joshua Hall on the Desert Empire Fairgrounds in Ridgecrest, where a crowd estimated at more than 400 persons was entertained by a group of topnotch country and western vocalists and musicians.

The swinging affair started at 6:30 p.m. and lasted for six hours and, at its conclusion, Marine Corps plaques were presented to the vocalists and musicians who volunteered their time to assist in the effort to make toys available at Christmastime to youngsters from needy families in the Indian Wells Valley and surrounding areas.

The plaques were presented by Lt. Col. Ben Adams, of the Marine Corps Liaison



**RECORD SETTER** — A new entry in the Guinness Book of Records will be the time set by Harold Hanvey (shown above) and Craig Roberts, who pedaled a child's tricycle from Scotty's Castle to Stovepipe Wells in Death Valley. In an attempt to spur interest in the Toys for Tots campaign, the two men completed the 47.3 mile journey in total travel time of 10 hr., 28 min., 17 sec.

Office at NWC, following which the out-of-town entertainers (mostly from Bakersfield) were provided free overnight lodging at various motels in Ridgecrest.

Master of ceremonies for the program was Daniel (J), pseudonym for one of the disc jockeys at Radio Station KZIQ, who introduced the stars of the program. The vocalists were accompanied by eight musicians — Bob Hart, Jim Horton and Bobby Adkins, all of Ridgecrest, and Oscar and Jerry Whittington, Don Swinter, Sonny Anglin and Mike Henson from Bakersfield.

Among highlights of the evening was a rendition of "America the Beautiful" sung by Howdy Glen Morris, which brought the crowd to its feet with a standing ovation at its conclusion.

Other standout performers were Red Simpson, a songwriter for Buck Owens and a vocal music star in his own right, who was back for a repeat appearance at the local Toys for Tots benefit; Debbie Hawkins, recently acclaimed as the top female vocalist for 1977 during an awards show held in Bakersfield; and Terri Lee from Wasco, who recently signed a recording contract.

The list of entertainers also included Tony Fox, who came here direct from singing engagements in Nevada to donate her time and talent to the Toys for Tots drive; as well as Sandy Jean, another outstanding country and western feminine vocalist, and Don Ellington.

In addition, Buddy Mize made his second appearance here for the Toys for Tots benefit. Best known as a songwriter for Johnny Cash, he recently returned to Bakersfield from Nashville, Tenn.

### In Charge of Arrangements

Local arrangements for the full evening of topflight country and western music and entertainment were coordinated by Dorothy Crook Tirk, of the Mayfair Flower Shop in Ridgecrest, who had contacted Betty Peugh and Mary Moye, of Country Town Productions in Bakersfield, and Bobby Adkins for assistance, in addition to relying on her own personal contacts in the country and western musical entertainment field.

The 1977 Toys for Tots drive was spread as far afield as Death Valley, where Harold Hanvey, 55, a self-employed carpenter from Ridgecrest, and a companion, 20-year-old Craig Roberts, set a new mark in the Guinness Book of Records by riding children's size tricycles from Scotty's Castle to Stovepipe Wells (a distance of 47.3 miles) in total travel time of 10 hr., 28 min., 17 sec.

## COM to be closed from Dec. 24-30

The Commissioned Officers' Mess will be closed from Saturday, Dec. 24, through Friday, Dec. 30, in order to permit employees to take annual leave that they would otherwise lose, and to avoid financial loss.

During this time, COM patrons may use the Chief Petty Officers' Club or The Shuttle (Enlisted Club) for lunch, and the CPO Club will be open for dinner.

The COM will reopen on Dec. 31 for the New Year's Eve party if sufficient reservations are received by next Friday, Dec. 23.

## Special Medicare enrollment for some CHAMPUS eligibles ends soon

The Social Security Administration has established a special Medicare enrollment period for CHAMPUS beneficiaries because of a recent Department of Defense ruling.

Beginning Jan. 1, 1978, CHAMPUS (Civilian Health and Medical Program of the Uniformed Services) no longer covers beneficiaries who are entitled to Medicare hospital insurance.

Many CHAMPUS beneficiaries entitled to Medicare hospital insurance haven't signed up for Medicare medical insurance because their CHAMPUS coverage gave them similar protection. But when their CHAMPUS coverage ends in January, these people will be without medical insurance protection unless they sign up now for Medicare medical insurance.

The special enrollment period began on Oct. 1 and will continue through Dec. 31, 1977, and gives CHAMPUS beneficiaries the opportunity to sign up for Medicare medical insurance before their CHAMPUS coverage ends.

All CHAMPUS beneficiaries who now

have Medicare hospital insurance but have not enrolled in Medicare medical insurance should contact any Social Security office.

For those who enroll before the end of the year, Medicare medical insurance protection begins on Jan. 1, when their CHAMPUS coverage ends. Thus, they will have continuous medical insurance protection.

CHAMPUS beneficiaries who don't sign up for Medicare medical insurance during this special enrollment period can enroll later in a regular Medicare enrollment period—the first three months of each year. But they will lose several months of valuable medical insurance protection because Medicare medical insurance coverage cannot begin until July of the year they enroll.

The local Social Security office at 337 West Ridgecrest Blvd., is open Monday through Wednesday from 9 a.m. to 4 p.m. Anyone wishing to enroll should contact the office as soon as possible and bring along both the Medicare card and the military identification card.

## Applications open for leadership assessment, development program

An in-house leadership assessment and development program to aid in the selection and development of potential and actual first level supervisors at the GS-12 level and above has been established by the Personnel Department.

The next session of this program will be conducted during the week of Jan. 20 through Feb. 3 at the Silver Lakes Resort Lodge in Helendale, Ca.

Purpose of the Leadership Assessment / Development Program is to provide a report about the participant's activities, interests, and performances in a managerial setting.

Two days will be spent in managerial-related activities during which the participants will be evaluated by 12 staff assessors who are at the division head level or above. The remainder of the week will be devoted to further career development activities.

NWC employees interested in attending as a participant or staff assessor, or who wish to nominate a subordinate to attend, should contact their department office for nomination forms and further information.

The deadline for nominations is next Wednesday, Dec. 21. Additional information can be obtained by calling Terry Mitchell at NWC ext. 2684.



**COMMAND INSPECTION HELD** — Rear Admiral W. L. Harris, Naval Weapons Center Commander, conducted a Command Inspection of Navy personnel last Friday. This was his first inspection since assuming command of the Center in September. RAdm. Harris took the opportunity to wish all personnel the joys of the holiday season.

—Photo by Ron Allen



**TO ENTERTAIN AT YULE PARTY** — "Mr. Magic and Co." (the Len Finney family) will be present to help entertain at the NWC All Hands Christmas Party tomorrow night from 6 o'clock to 2 a.m. at the Community Center. Finney, a quality inspection specialist in the Engineering Department's Engineering Prototype Division, demonstrates his talent with this bit of levitation. His magic show also includes a comedy routine with a rabbit, a Hindu sword basket trick, and a full routine of sleight of hand numbers featuring not only his wife, Nancy, and daughter, Shellie, but volunteers from the audience as well. In addition to a prime rib dinner and the magic show, the evening will include listening and dancing to music of the Marine Corps Recruit Depot stage band. Tickets, priced at \$5 per person for active duty military personnel and \$7 for civilians, can be purchased at the Weather Office in Hangar 111, at the Military Personnel Office, the Chaplain's Office in Hangar 11, and at the Community Center. This event is the successor to the annual Christmas party sponsored by the former Naval Air Facility. This is a final reminder, since tickets won't be sold at the door. Saturday night.

## Personnel development opportunities

The following courses will be offered in early January by the Training Center. Listed are the course titles and numbers, the dates they will be offered, and the deadlines for submission of a training request and authorization form.

For further information, NWC employees should refer to the personnel Development Opportunity course schedule, or the NWC Announcements bulletin.

Fundamentals of Fortran (5110C8), Jan. 10-Feb. 2, deadline Dec. 30.

Effective Presentations (5300B8), Jan. 9-12, deadline Dec. 30.

WS6536 Recertification Course (Soldering) (5000E8), Jan. 9-10, deadline Dec. 30.

WS6536 Recertification Course (Soldering) (5000E8), Jan. 11-12, deadline Dec. 30.

Interpersonal Effectiveness (5350A8), Jan. 5-6, deadline Dec. 23.

Developing Effective Work Habits (4600B8), Jan. 10-11, deadline Dec. 28.

EEO for Managers and Supervisors I

## New rules at Package Store effective Jan. 3

In a recent communication received from the Chief of Naval Personnel, the NWC Command was advised to ensure suitable control over packaged liquor sold at the Consolidated Package Store.

In compliance with this requirement, effective on Monday, Jan. 3, each authorized patron will be required to sign a daily log when making purchases of liquor.

Positive identification of every purchaser of liquor is required. This can be by presentation of an Armed Forces Identification Card (DD Form 2N, 2MC, 2A, 2AF, or 2CG), the Uniformed Services Identification and Privilege Card (DD Form 1172), or other official identification.

(2000A8), Jan. 11, deadline Jan. 3.

Effective Communication with Difficult People (5300A8), Jan. 12-13, deadline Jan. 3.

Performance Evaluation Techniques (2000C8), Jan. 9-10, deadline Dec. 30.

Files Improvement and Records Disposition (6200A8), Jan. 11-12, deadline Dec. 30.

## Address reports due in January from aliens in U.S.

Aliens in the Armed Forces and Servicemembers with alien relatives living in the United States are reminded that the Immigration and Nationality Act requires all aliens in the United States and its possessions, with few exceptions, to report their addresses to the Attorney General during the month of January.

Aliens temporarily absent from the United States during the month of January should not report their addresses but must do so within 10 days of return to this country.

Cards for making this report are available at any U.S. post office during the month of January and at offices of the Immigration and Naturalization Service after Jan. 31. When the alien has filled in all items, he should sign the card, place a stamp on the reverse side and drop it in any mail box.

The Immigration and Nationality Act provides serious penalties for willful failure to submit the report. Compliance with this requirement is, therefore, of importance to all aliens in the Armed Forces of the United States and to members of the Armed Forces having relatives who are not citizens but residents of this country.

## FIRE Doesn't Make A Bright Holiday

"The most important gift you can give your family is a fire-safe Christmas," advises Fire Prevention Chief Darrell R. Johnson of the China Lake Fire Division.

The best way to ensure this is to observe a few simple precautions when preparing for the holidays. Recommendations made by the Fire Prevention Branch personnel include:

Select a firm, fresh tree, and keep it in a cool place with its trunk in water. If about an inch is cut off the base of the tree before it is set up, the tree will be able to absorb water more readily and will stay fresher.

The tree should be mounted in a sturdy stand containing water, and the water level checked daily.

The location of the tree is important, too; it should be as far as possible from heat sources, and should not block any doors. A tree should be taken down promptly after Christmas to prevent its drying-out. Do-it-yourself flameproofing is not reliable, Fire Division personnel note.

Candles should never be used on a tree or near any evergreen decorations.

Electric light sets need to be checked carefully each year to be sure that they do not have worn insulation, broken plugs, or loose bulb sockets. All electrical equipment — strings of lights or lights built in on an artificial tree — should carry the label showing that they are "listed" by a national testing laboratory. And no sets of lights should ever be hung on a metallic artificial tree because of the dangers of electrical shocks.

Indoor tree and other decorative lighting should be turned off when residents either leave the house or retire for the night.

Any outdoor lights need special wiring designed for outdoor use.

All decorations should be made either from non-combustible materials, such as glass, or from flame-retardant materials. Both natural evergreens and polystyrene

decorations should be kept away from any open flame such as those produced by either candles or fireplaces.

Holiday costumes, whether these be Santa suits and whiskers or children's pageant outfits, should be flameproofed.

Gift wrappings should be placed into covered trash containers promptly on unwrapping gifts. They should never be burned in the fireplace.

Any electric toy or appliance should carry a label showing that it is "listed" by a national testing laboratory.

If, in spite of precautions a fire does start, the best fire protection that a family can



have is a smoke detection device. A limited number of such devices (purchased by the Employee Services Board) are currently being sold by the China Lake Fire Division.

Each family should also have an escape plan so that all family members can get out of the house quickly in case of fire or other emergency.

Fire Prevention Branch personnel will be happy to answer any questions about fire safety either for the holidays or at any time of the year. They can be contacted by telephone at NWC ext. 2146.

## Promotional Opportunities . . .

(Continued from Page 2)

classification of positions, and for the solution of personnel problems involving individual personnel actions in the areas of qualifications, employee development, performance, behavior, employee relations, and other areas included within personnel administration. Job Relevant Criteria: (1) Comprehensive knowledge of the fields of classification, staffing, employee development, employee relations and national social objectives programs. (Factor No. 1 will be weighted twice as much as the other ranking factors). (2) Ability to work independently. (3) Ability to plan and organize work and establish priorities. (4) Capability in working with engineering and scientific personnel at all levels. (5) Ability to meet and deal effectively with all levels of personnel. More than one vacancy may be filled through this announcement.

Electronics Mechanic Helper, WG-2414-5, JD No. 577, Code 3441 — Position is located in Electronics Prototype Branch, Engineering Prototype Division, Engineering Department. Incumbent assists senior personnel in fabrication, modification, repair, test and calibration of electronic equipment. Typical work includes mounting and soldering of electronic components on printed circuit boards and performance of basic tests and measurements on components and equipment. Job Relevant Criteria: Reliability and dependability; shop aptitude and interest; ability to follow directions; dexterity and safety; ability to work as a member of a team. Promotion Potential: Electronics Worker WG-2414-8. Supplemental qualifications statement is required and can be picked up in Rm. 204 of the Personnel Bldg.

Sheetmetal Mechanic, WG-3894-10, JD No. 325, Code 3471 — Applications will be accepted from both NWC employees and status eligibles. This position is located in the Engineering Prototype Division, Engineering Department. Incumbent fabricates missiles, rocket motors, rocket sleds, electronic chassis, panels, cabinets, and parts requiring the application of the full knowledge of the sheetmetal trade. Work is done to close tolerances, requiring the forming of unusual shapes and forms. The work includes shaping, cutting and assembly. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; ability to perform layout and pattern development from blueprints, drawings, and sketches; ability to follow instructions, specifications, etc. (includes blueprints); ability to operate stationary metalworking equipment; ability to use hand tools. Knowledge of metals used in the trades. Promotion Potential: Modelmaker, WG-4714-14. Supplemental qualifications statements are required and can be picked up in the Personnel Bldg. Rm. 204.

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

Air Conditioning Equipment Mechanic Intermediate JD No. 397N, WG-5304-4/10, Code 3454 (2 vacancies) — The incumbent installs, maintains, and repairs refrigeration and air conditioning equipment and components used in

providing refrigeration and air conditioning for living quarters, offices, commercial and industrial use. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; technical practices and trade theory; ability to read and interpret blueprints, instructions, specifications, etc.; ability to use hand tools and measuring equipment; troubleshooting; materials.

File applications for the above with Cathy Rivera, Bldg. 34, Rm. 210, Ph. 2022.

Clerk, GS-3014-5, PD No. 7722045, Code 2272 — This position is located in the Explosives and Propellants Branch, Propulsion Systems Division, Ordnance Systems Department. The incumbent receives, prepares, distributes, and monitors process reports (PRs) from customer codes for various processing operations concerning explosives, propellants, and pyrotechnics. PRs are the means of translating work information from the customer to the operating personnel in the processing areas. Each PR is reviewed to assure that information is correct and that drawings, plans, diagrams, etc., pertinent to the PR are available. Incumbent determines applicable safety requirements for each PR. Maintains a current computerized inventory system of raw materials utilized by operating personnel and initiates replenishment action as necessary. Provides miscellaneous administrative support to branch personnel. Job Relevant Criteria: Knowledge of NWC/Naval plant account procedures; ability to set priorities and to work with a minimum of supervision; knowledge of typing and key punching; knowledge of Navy supply system and the NWC job-order system.

File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2393.

Electronics Engineer, GS-855-9/11/12, PD No. 7733077, Code 3343 — This position is located in Fuze Project Branch 111, Development Division 11, Fuze Department. The incumbent's major duties include the design and development of electronic components and circuits for an assigned target detecting system; design of electronic equipment or test sets for use in testing components, assemblies or complete TDD's; devising procedures and tests for materials, components, electronic circuits or complete TDD's; and collecting and correlating data from laboratory and field tests. Job Relevant Criteria: Experience in the design, development, testing and analysis of electronic components and circuits applicable to guided missiles; knowledge of electronic principles and theory, solid state devices including integrated circuits, microwave devices, electro-optical devices and electronic instrumentation; ability to work well with others; experience in designing and conducting tests of electronic circuits; ability to communicate well both orally and in writing. Applications accepted from status eligibles.

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