

### Concert in memory of Dr. Peter Pinto scheduled Jan. 25

A concert of ensemble music to honor the memory of Dr. Peter S. Pinto will be held on Sunday, Jan. 25, at the Cerro Coso Community College lecture center. The concert will begin at 7 p.m.

Admission to the concert, sponsored by the Desert Community Orchestra Association, is free for members of the association. Tickets will also be available at the door at \$3 for general admission and \$1.50 for students, enlisted military personnel and senior citizens.

All proceeds from the sale of tickets will go to the Dr. Peter Pinto Memorial Fund. Additional contributions to the fund in Dr. Pinto's memory will also be accepted.

Dr. Pinto, a local pediatrician, died on Dec. 16, 1980. He had been a violinist with the Desert Community Orchestra for 18 years, and had served several terms on the board of directors of that organization.

Musicians from the orchestra have organized a number of ensembles for the concert. Chamber music will be performed by such varied groups as a woodwind quintet, a brass choir, a violin-cello-piano trio, flute-clarinet duet, and the entire string section of the orchestra.

Major works that will be performed include Milhaud's "La Cheminee du Roi Rene" by the woodwind quintet, Mozart's "Eine Kleine Nachtmusic" by 16 members of the string section, and Gordon Jacob's "Suite for Brass." Shorter pieces by Bach, Beethoven, Haydn, Mozart and Vivaldi will also be performed.

Lou Ava Seybold, who has organized the concert, said, "I hope the ensemble concert in memory of Dr. Pinto will become an annual event. We have so much of the wonderful music he loved available, and the musicians are anxious to play it."

### Childbirth subject of forum at United Methodist Church

"Birth: A Labor of Love" is the title of a Women's Center community forum on birthing that will be held tomorrow at the United Methodist Church, 639 N. Norma St., Ridgecrest.

The program, which begins at 9 a.m. and continues until noon, will feature two panels: one on prenatal care, and one on delivery.

The prenatal panel will include a public health nurse, physician and midwife representative. On the delivery panel are representatives who will discuss home birth, birthing center birth and hospital birth.

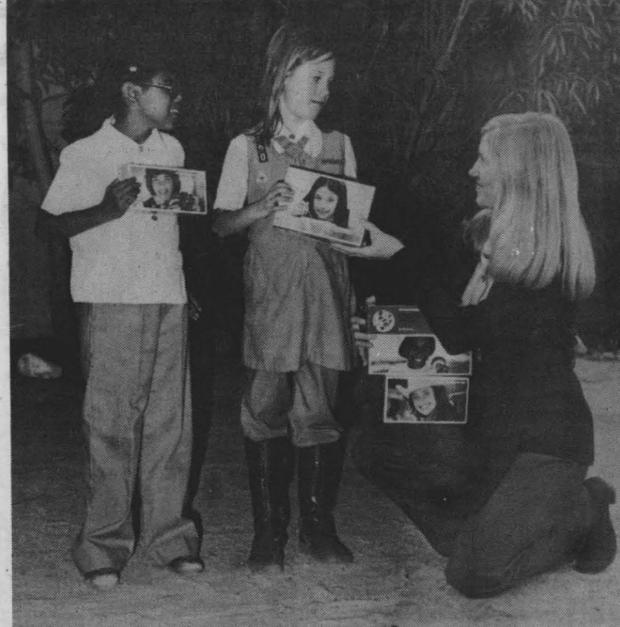
Two Ridgecrest fathers, Martin Montemayer and Gary Fox, will talk about a father's participation in birthing. Montemayer will discuss father participation in a home birth; Fox will talk about father participation in a hospital birth.

This admission-free forum on birthing will emphasize audience participation. Those in attendance will be asked to help develop the definition of "an ideal birthing experience."

Also included in the birthing program are a videotape of a live birth, two dramatic readings and a "brainstorming" session.

Refreshments will be provided during program breaks at no charge. Child care will be provided by volunteers in order that parents with children may bring their youngsters with them to the program.

All parents, prospective parents and interested persons are encouraged to attend "Birth: A Labor of Love." Additional information can be obtained by calling Nance Keating at the Women's Center, 375-7525, between 9 a.m. and 5 p.m.



GIRL SCOUT COOKIE TIME — Gail Burbrink (at right), cookie chairman for Girl Scout Troop 200, distributes boxes of cookies to a pair of young salesmen Sarena Bohanna and Jocelyn West. Orders for the sale of Girl Scout cookies will be taken through Monday. —Photo by Don Cornelius

### Orders being taken for purchase of Girl Scout cookies

The 1981 sale of Girl Scout cookies is now underway and will continue through Monday.

Brownies, Juniors and Cadette Scouts of the Roadrunner Neighborhood are now taking orders for boxes of cookies that will be delivered to purchasers during the period from Feb. 27 through March 7.

Seven kinds of cookies are being offered for sale this year. They are thin mints, chocolate flavored chip cookies, Scot teas, savannahs, chocolate and vanilla cremes, Dutch 'n such, and a new cracker called golden yangles. All are priced at \$1.75 per box.

For each box sold, individual Girl Scout or Brownie Troops earn 20 cents, while the Girl Scout Council receives 90 cents. Girls who make the sales earn gift certificates that can be redeemed for the purchase of Girl Scout equipment or used to help cover the expenses of registration for summer camp.

The major share of the money received by the Girl Scout Council from the cookie sale is slated for use on improvements at Camp Mountain Meadows on Greenhorn Mountain, and for other facilities that are used by Girl Scouts of the Joshua Tree Council.

Anyone who may not have been contacted and wishes to order Girl Scout cookies can make arrangements to do so by calling Kris Nash at 446-6270.

### Additional radio translator at Laurel Mt. TV Booster installed

The permanent installation of the KNX-FM radio translator at Laurel Mountain is now complete, according to Ray Ash, a spokesman for the Indian Wells Valley TV Booster, Inc.

The KNX-FM translator had been operating previously at reduced power awaiting completion of the antenna that allows better operation and transmitting patterns, and clears the way for replacement of UHF TV transmitting antennas in order to improve reception in the valley.

The KNX translator, like all the booster's FM units, employs vertical polarization for best reception on car radios and portables. The vertical polarization also helps prevent overloading systems using roof antennas when trying to pick up Los Angeles signals directly.

The KNX-FM radio translator operates on 94.3 Megahertz; the station originates from Mount Wilson on 93.1 MHz, and direct reception of it as well as on-channel reception by most cable subscribers is complicated by a strong local signal from KZIQ-FM on 92.7 MHz. KNX-FM is a "soft-rock" station, transmitting in stereo, which operates 24 hours per day. Normally, news is at 20 minutes before the hour and weather at 20 minutes after.

KNX-FM radio was selected by the board of directors of the TV booster system for a

### Workshop to ease anxiety over math planned on Jan. 28

"Becoming Comfortable with Math" is the title of a brownbag workshop to be held in the Training Center on Wednesday, Jan. 28, from 11:30 a.m. to 1:30 in the afternoon.

Anne Teppo, a mathematics instructor, and June Wasserman, a psychology instructor, both from Cerro Coso Community College, will conduct the workshop.

The training is designed particularly to help women overcome mathematics anxiety, which frequently prevents them from entering occupations that require mathematics, occupations that are well-paid and provide good advancement opportunities.

A videotape, "Overcoming Math Anxiety," will be shown, and a group discussion will follow.

The workshop is open to the public.

translator about a year ago as the result of a poll take in the local area. Considerable time was then required to obtain the permission of CBS, the station's owner, and Federal Communications Commission permits, as well as getting the money to pay for the equipment.

Continued financial assistance is necessary to make additions such as this possible, and also to help cover the expense of routine maintenance of the TV and FM radio booster system.

Contributions of \$10 per year per household from residents of the Indian Wells Valley who benefit from the operation of the system is the goal of the TV Booster system's board of directors.

Memberships in the IWV TV Booster, Inc., are issued to those who donate \$10 or more. Tax-deductible contributions can be sent to IWV TV Booster, P.O. Box 562, Ridgecrest. Make checks payable to "TV Booster."

### School volunteer honored by library memorial fund

A memorial fund has been established honoring the memory of Martha (Marty) Janson, a parent and volunteer at Vieweg Elementary School, who died suddenly on Dec. 27.

Contributions will be used to purchase special library books and for the purchase and installation of a memorial plaque at Vieweg School, where Mrs. Janson's children are students.

Contributions to the Marty Janson Library Memorial Fund can be sent to Gwen McGowan, in care of Vieweg Elementary School. Make checks payable to Mrs. McGowan.

### COM Membership Night fete coming up tonight

Tonight is the night, for those members and guests who have made reservations, for the gala Membership fete at the Commissioned Officers' Mess.

On hand to provide the musical entertainment for the evening will be "Baaska and Scavelli," a group from the Los Angeles area, who will perform from 8 p.m. until midnight.

Baron of beef, mixed green salad, baked potato and vegetables will be served buffet style from 6 to 9 o'clock.

MOVIES listing for Friday, Saturday, and Sunday with showtimes and titles like 'AIRPLANE', 'PROM NIGHT', and 'AMERICAN GIGOLO'.

### AAUW to present program on women artists' work

The American Association of University Women is sponsoring a film slide presentation highlighting the work of women artists in the five Pacific northwest states.

The presentation will be held on Tuesday at 7 p.m. at the Westwood Manor Clubhouse, 801 W. Ward St., Ridgecrest.

"This is a terrific way to get good exercise," says Ens. Dorrell. "You'll be out of doors, in good company, and doing something very constructive while exercising as well. Why not come out and join the group?"

Those who still wish to volunteer are asked to telephone Natalie Harrison, the Community Liaison Assistant, at NWC ext. 3481 today, or just to turn up at the starting hour of 10 a.m. tomorrow.

By noon, there'll be a lunch break, with workers able to get a free snack of hot dogs and cold soda pop at the command post area, courtesy of the Recreational Services (Continued on Page 3)

# NWC role in fight for energy independence discussed

Capt. W. B. Haff, NWC Commander, was the first speaker at last Wednesday's Kern County Business Outlook Conference at the Bakersfield Civic Auditorium in Bakersfield. His talk, "The Navy and Kern County: Partners in Energy," was exceptionally well received by the overflow crowd of nearly 1,900 business and professional leaders present.

Capt. Haff discussed the role that the Center is playing in the nation's second war of independence, that to free itself from dependence on foreign fuels.

The Center, Capt. Haff pointed out, plans to be energy-independent for its physical plant and ground vehicles by 1990, through a combination of conservation and using alternate energy sources.

"Energy independence for the Center does not mean, however, that we shall be independent of our friends and neighbors in Kern County in other ways," Capt. Haff said. "This year the budget for the Naval

Weapons Center is \$313,000,000, of which approximately \$24,900,000 will be spent on contracts within the county. Much of the estimated \$133,000,000 paid in salaries to military and civilian personnel of the Center will also find its way into the economy," he added.

The Center has already exceeded the 20 percent reduction in energy use that was mandated for all Navy activities by 1985. This, said Capt. Haff, was due to the creativity and concern of the Center's work force.

Capt. Haff continued, "Not only is the Naval Weapons Center the Navy's outstanding facility in conservation, it is also lead Navy laboratory for three major alternative energy programs: geothermal, electric and hybrid vehicles, and photovoltaics."

The geothermal program promises to produce all the Center's electricity when

the first plant in the Coso hot springs area goes on line in 1984, and geothermal utilization at other Navy facilities throughout the world is being developed under Naval Weapons Center guidance.

Capt. Haff noted that the first one of the 300 electric vehicles that will be in use Navy-wide by 1982 was on the stage of the auditorium where those attending the conference would have an opportunity to examine the vehicle. (This was one of the being examined for feasibility at China during Energy Awareness Week last October.)

Besides photovoltaics, for which the Center serves as lead Navy laboratory, Capt. Haff also discussed the other uses of solar energy at NWC, such as the heating and cooling system for the Navy Regional Medical Center branch clinics building, and solar water heating in two of the Center's buildings.

He focused on a new solar technology now being examined for feasibility at China Lake: solar ponding. A solar pond consists of a still body of saline water that absorbs solar energy, traps it, and stores it as usable heat to generate electrical power.

If solar ponding China Lake proves feasible, that, too, could provide all the electricity that the Center needs. This technology could also be applied to other sites in Kern County to provide the electricity needed for various county communities and industries.

Capt. Haff concluded, "These technologies, proven feasible by the Naval Weapons Center, not only save taxpayer dollars now, but also provide a pool of knowledge and expertise available to the county and the nation. And with the concerned cooperation of everyone, we will be able to help win this second national war of independence, freedom from foreign fossil fuels."



NAVAL WEAPONS CENTER CHINA LAKE CALIFORNIA Vol. XXXVII, No. 2

### Community cleanup drive slated Saturday

Tomorrow is the big day for Project Community Pride when more than 200 volunteers will join with the members of China Lake Detachment No. 0217 of Reserve Naval Mobile Construction Battalion 17 to clean litter and trash from the main site of the Naval Weapons Center.

The City of Ridgecrest will also sponsor a clean-up day tomorrow. Volunteers under the direction of Bill Bersie, city recreation director, will be clearing litter and trash from the area south of the post office and around the Regional Park.

The Seabees plan to report by 7 a.m. so that they will have all the necessary supplies of bags as well as vehicles ready by the time that members of organized groups and individuals report to the headquarters command post at the barbecue pit area of Schoeffel Field.

At the headquarters area, Ens. Ken Dorrell, who is serving as chairman of Project Community Pride, will issue work assignments, identification badges for workers, and bags in which the trash can be sacked. Buses will be on hand to transport any groups of workers to their assigned areas, and a radio communication network will keep volunteers in touch with the command post.

Workers are advised to wear sturdy shoes (there are sticky bushes that will attack bare toes in sandals), to bring work gloves if they have such gloves (the Seabees do have some work gloves that can be issued), and to wear long pants to protect bare legs from shrubs or bushes.

"This is a terrific way to get good exercise," says Ens. Dorrell. "You'll be out of doors, in good company, and doing something very constructive while exercising as well. Why not come out and join the group?"

Those who still wish to volunteer are asked to telephone Natalie Harrison, the Community Liaison Assistant, at NWC ext. 3481 today, or just to turn up at the starting hour of 10 a.m. tomorrow.



CONGRATULATIONS EXTENDED — Capt. William B. Haff NWC Commander, and B. W. Hays (at right) Deputy Technical Director, jointly congratulated the recipients of the Michelson Laboratories Award during a luncheon held last Friday at the COM. The recipients are (left to right) Harold L. Jaeger, Belmont Frisbee, Jr., Clyde R. Lebsack, Ralph E. Bernard, and Frank B. St. George. "What makes this place go is typified by these men," Capt. Haff said. —Photo by Clare Grounds

### Five employees receive Michelson Lab Award

The presentation of the Michelson Laboratories Award to five Naval Weapons Center employees highlighted a luncheon held last Friday at the Commissioned Officers' Mess. The latest recipients of this award are Ralph E. Bernard, Belmont Frisbee, Jr., Harold L. Jaeger, Clyde R. Lebsack, and Frank B. St. George.

The awards, which consist of a certificate and an engraved key, were presented by Capt. William B. Haff, NWC Commander, and Burrell Hays, Deputy Technical Director.

This special award, which was established in 1966, is designed to recognize outstanding administrative and professional excellence, or technical excellence based on singular effort in the performance of individual duties.

The Michelson Laboratories Award is complementary to the Center's highest local honorary award — the L. T. E. Thompson Award. Over the years since 1966, there have been 97 nominations for this award and (including the latest group of five) there have now been 63 recipients.

The selection process begins with nominations that must have the approval of the immediate supervisor and the department head of the individual singled out for this honor, and final selection by the Center's Awards Panel carries with it the ac-

ceptance and backing by total Center management, Hays noted during preliminary remarks that preceded the presentations.

Bernard received this award for his outstanding technical expertise, contributions, and leadership in identifying requirements and defining tactical weapons development opportunities for the Naval Weapons Center.

Bernard, an aerospace engineer, heads the Advanced Systems Office in the Ordnance Systems Department's Propulsion Systems Division. He began his Civil Service career at NWC in 1974, following 15 years in private industry.

Bernard received a bachelor of science degree in mechanical engineering in 1956 from California State University at Fresno.

Frisbee was singled out to receive the Michelson Laboratory Award in recognition of his outstanding contributions in the field of data link exploitation that have substantially increased the Navy's capability in tactical data link collection and countermeasures.

An electronics engineer in the Signal Exploitation Branch of the Electronic Warfare Department's Microwave Development Division, Frisbee attended local schools, was graduated from Burroughs High, and first came to work for

NWC as a summer employee in 1963.

He resigned from his summer job in order to continue his education at Redlands University, where he was graduated in 1964 with a bachelor of science degree in physics. Frisbee returned to China Lake in 1966 and began his career as a physicist (electronic) in the Weapons Development (Continued on Page 3)

### Storm comes, goes, drops just .21 in. of rain

A light rain, the first to hit the China Lake-Ridgecrest area since the .03 that fell last Dec. 4, dropped .21 in. of moisture here from Sunday afternoon through Monday morning.

According to John Gibson, a weather forecaster with the local detachment of the Naval Oceanographic Command at Armitage Airfield, a low pressure area that formed southwest of San Diego and slipped slowly inland produced this welcome bit of precipitation.

The rainy season for the valley occurs during January, February and March, Gibson noted. If the normal weather pattern returns, which he expects will happen, the next 2 1/2 months could bring 2 1/2 to 3 in. of rain, he said.

INSIDE ... Award Presented to Navy Dept. ... 3 Summer Employment Information ... 4 Be Prepared for Earthquakes ... 5 Sports ... 6 Physical Fitness Classes ... 7 Concert Honoring Dr. Pinto ... 8



**NAVY CHIEF RETIRES** — A retirement ceremony held last Friday at the Chief Petty Officers' Club concluded a 20-year career of active duty in the Navy for Operations Specialist Chief Richard Carnes, who is shown being "piped over the side" at the conclusion of this ritual. For the last two years of his two decades in the Navy, OCS Carnes was involved in the conducting of tests carried out by the Electronic Warfare Department's Electronic Warfare Threat Environment Simulation facilities at Randsburg Wash. Chief Carnes is scheduled to continue a similar line of work for a private contractor in the Las Vegas area, where he will be employed as a project engineer responsible for conducting electronic warfare tests.

**Information to be presented on prepaid dental care plan at FMA meeting Tuesday**

The Federal Manager's Association has invited a representative from Private Medical Care Inc. (PMI) to discuss providing prepaid dental care to FMA members and other organized employee groups that might want to participate. This representative will be present at the FMA luncheon on Tuesday at 11:30 a.m. at the Enlisted Mess.

Optical care is available through PMI and will also be discussed. The meeting is open to anyone who is interested in a dental plan for either the individual employee or employee families. Those planning to attend are asked to telephone Debbie Dyrman at 446-6929 so that an adequate number of tables and chairs can be set up for the meeting.



Black History Week will be observed at NWC Feb. 16-20, 1981; the theme for the week will be "Yesterday, Today and Tomorrow". In honor of Black History Week the Rocketeer will publish a series of short articles about noted historical Black personalities and their contributions to American Society. The first article of this series will deal with Black inventors and their scientific contributions.

**Black History Week**

Feb. 16-20, 1981  
"Yesterday, Today and Tomorrow"

**Garrett A. Morgan.** Morgan is remembered as being one of the most gifted Black inventors of modern times. Morgan invented the first gas mask in 1916, and he also invented the traffic light in 1923.

**Granville T. Woods.** Woods' contributions dealt with the railroads and electrical industries. He invented a telegraph system that made it possible to send messages between moving trains. With the invention of the automatic air brake, Woods brought safety to the railroads.

**Jan Matzelinger.** In 1883, Matzelinger invented the "Lasting Machine," a machine that revolutionized the shoe industry. The "Lasting Machine" combined many of the steps to practically manufacture an entire shoe in one operation.

**Elijah McCoy.** McCoy is credited with being granted some 57 patents. In 1872 McCoy invented a lubricating cup that made it possible for locomotives, steam boilers, and factory machinery to be oiled without interrupting their operation.

**The Rocketeer**

Official Weekly Publication  
Naval Weapons Center  
China Lake, California

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NWC Commander

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News Stories Tuesday, 4:30 p.m.  
Photographs Tuesday, 11:30 a.m.  
The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NAVSO P 35 revised May 1979. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official view of the Department of Defense. Information in the Rocketeer is authorized for public release by the Naval Weapons Center Public Affairs Officer, Code 003. Phones 3354,3355



**Promotional opportunities**

Applications (Standard Form 171) should be put in the drop box located at the Reception Desk of the Personnel Department, Bldg. 34. Unless otherwise specified in an ad, applications for positions listed in this column will be accepted from current appointable (i.e., career/career conditional and VRA) NWC employees only. All others desiring employment at NWC may contact the Employment-Wage & 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. Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. The filling of these positions through Merit Promotion is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum qualification requirements for all GS positions and positions subject to the Demonstration Project are those defined in OPM Handbook X-118; those for all wage system positions are those defined in OPM Handbook X-118C. Applicants will be evaluated on the basis of experience, training, education, and awards as indicated in a written record consisting of a SF-171, at least one supervisory appraisal if it can be obtained, and any tests, medical examinations, interviews, and supplemental qualifications requirements that may be necessary. For managerial/supervisory positions, consideration will be given to applicant's support of the Equal Employment Opportunity programs and objectives. Applicants must meet time in grade and qualifications requirements by the closing date of the ad. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

**Announcement No. 31-015, Administrative Officer, GS-341-9/11, PD No. 8031053, Code 3104** — This position is located in the A-4 Weapons System Support Activity. Incumbent will devise management procedures and reporting methods to meet NAVAIR and NWC requirements, will provide services to the program regarding space, facilities, procurements and equipment, and will provide assistance in the preparation of financial reports for department, Center, and sponsor review. Job Relevant Criteria: Knowledge of administrative requirements of a program office; knowledge of a variety of administrative functions such as budget, personnel, contracts, supply, facilities planning, space, plant account, collateral equipment, surplus equipment, security; ability to exercise judgement and maintain a cooperative work relationship with all levels of NWC; sponsor and contractor personnel; knowledge of Navy budgetary process.

**Announcement No. 38-014, Secretary, GS-318-4/5 PD No. 7660011, Code 381** — This position is that of division secretary in the Physics Division, Research Department. The incumbent is responsible for the review and referral of incoming correspondence and review and release of all outgoing correspondence. The incumbent is responsible for preparation, release of, and liaison involving all division travel matters such as: clearance arrangements, travel claims, and travel budget estimates. The incumbent's duties as secretary to the division head include receiving visitors, maintaining supervisor's calendar and arranging division meetings and seminars. Job Relevant Criteria: Ability to deal effectively with a variety of personnel; knowledge of grammar, spelling and punctuation; knowledge of NWC and Navy correspondence procedures. Applications accepted from reinstatement eligibles.

**Announcement No. 38-013, Administrative Officer, GS-341-7/9/11, PD No. 8133001, Code 387** — This position is that of administrative officer, Computer Sciences Division, Research Department. The incumbent provides administrative and management support and services to the division. The incumbent will coordinate with division and branch heads in the preparation of budgets and preparation of other financial documents. Will advise the division head of financial difficulties, provide alternative solutions and take corrective action. The incumbent will provide support within areas of personnel, space facilities requirements, procurement and procurement administration. Job Relevant Criteria: Knowledge of NWC financial system; knowledge of a variety of administrative functions such as personnel, contracts, supply, facilities, planning, space, equipment, security, safety; ability to exercise judgement; ability to work with a wide variety of personnel on and off Center; ability to work independently.

**Announcement No. 42-016, Engineering Technician, GS-802-9/10/11, PD No. 8862074, Code 42123** — This position is located in the Safety Test Section of the Range Department. The incumbent performs safety tests of ordnance items and maintains test facilities and test sites. Job Relevant Criteria: Ability to assess and provide the required procedures, facilities, and set-ups for safety tests of ordnance items; ability to conduct ordnance item safety tests; knowledge of electrical control, video, motion picture camera and instrumentation systems frequently used in range safety test operations; ability to manage the operations of a safety test facility.

**Announcement No. 25-033, Purchasing Agent, GS-1185-4/5/6, PD No. 8025018N, Code 2522** — (multiple vacancies) This position is located in the Purchase Branch, Contracts Division. Supply equipment. The incumbent will purchase a wide variety of commodities: both standard commercial items as well as technical items. Purchases are made within and outside the local trade area. For the more technical items, research may be required to identify a qualified source of supply. Selection of the appropriate method of purchases as well as selection of the method of split-bidding quotations is the responsibility of the incumbent.

**Training classes**

To enroll in the following classes students should submit NWC Training Request and Authorization Form 12410 73, via department channels, to reach code #94 before the deadline listed. If handicapped indicate need for first floor room location on training request.

**Advanced Techniques of Digital Logic Design, Jan. 19-30, 7:30 to 11:30 a.m.** Instructor: Dr. William Fletcher, of Design Analysis, Inc., no deadline.

**Lasers — A Course for Technicians, Feb. 5-8, 8 a.m. to 4 p.m.** Instructor: Dr. Richard Hughes, deadline Jan. 19.

**53500W — Toward Better Technical Presentations, Feb. 10, 8 to 11:30 a.m.** Instructors: H. B. Mathes and R. D. Smith, deadline Jan. 21.

**83000E — Management of the Troubled Employee, Feb. 10, 8 to 11:30 a.m.** Instructor: Floyd Drake, deadline Feb. 9

**53500V — Technical Presentations, Feb. 11-12, 8 a.m. to 4:30 p.m.** Instructor: Dr. Miriam Cartwright.

**Job Relevant Criteria:** Knowledge of small purchase procedures; ability to work under pressure; ability to deal effectively with others; ability to work without close supervision.

**Announcement No. 32-010, Physical Science Technician, GS-1311-5, PD No. 8032009, Code 32** — This is a temporary appointment not to exceed one year. Tour of duty will be 20 hours per week. Non-status eligible applicants will be considered. The position is located in the Ordnance Systems Department. Incumbent performs a wide variety of chemical tests and analyses on explosives, propellants, pyrotechnics, and raw materials. Job Relevant Criteria: Experience conducting laboratory analysis; experience utilizing laboratory equipment; knowledge of the characteristics of a wide variety of chemical compounds.

**Announcement No. 26-050, Housing Project Manager, DA-1173-3, PAC No. 802655E, Code 265** — (Temporary promotion not to exceed one year) This position is that of director of the Housing Division, Public Works Department. Incumbent will manage the operation and maintenance of government-owned housing units located within the confines of the Naval Weapons Center. The division is responsible for assisting military and civilian employees and their dependents in locating suitable off-Center housing; making and processing assignments to quarters, inspections, and processing terminations; assessing charges for rentals and damages; and administering the budget for the entire housing function. Incumbent will be responsible for program planning, data collection and reports preparation as required by higher authority. Duties will include extensive involvement in community relations, as well as resolution of tenant problems and complaints. Incumbent will perform the full range of supervision over a subordinate staff consisting of eight civilian employees and others as required. Job Relevant Criteria: Demonstrated management capability and adaptability; ability to work flexibly with higher level management officials; skill in handling tenant/community relations; knowledge of family housing operations; ability to confront people problems.

**Announcement No. 26-051, Supervisory Planner and Estimator, WR-4701-7, JD No. 8126003N, Code 2613** — (Temporary promotion not to exceed one year) This position is head of the Inspection Branch, Maintenance Control Division, Public Works Department. The incumbent screens, processes, evaluates, and assigns all aspects of the Annual Inspection System and standing Work Order Requests for planned maintenance for Naval Weapons Center facilities to various Planners and Estimators for development of manpower, material estimates, and preparation of detailed writeup for work accomplishment by shop forces. Incumbent is also responsible for developing and maintaining an up to date maintenance/repair record of major facilities and equipment to be used as a basis for replacement planning. The incumbent supervises the identification of facilities deficiencies and OSHA violations resulting in planned work requests to correct these problems. Job Relevant Criteria: Ability to lead or supervise; technical practices; use of measuring instruments; ability to interpret instructions.

(Continued on Page 7)



**DIVINE SERVICES**

**PROTESTANT**  
Sunday Worship Service 1000  
Sunday School—All Ages 0630  
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** 0830-1130  
Sunday  
Nursery, Chapel Annex 1 0815-1245  
Daily except Saturday, 1135 Blessed Sacrament Chapel  
**CONFESSIONS** 1115 to 1130  
Daily  
Sunday 0800 to 0825  
**RELIGIOUS EDUCATION CLASSES**  
Sunday Pre-school thru 11th grade 1000  
Above classes are held in the Chapel Annexes across from the former Center Restaurant.  
Sunday afternoon 12th grade 1630  
As announced "Home" Discussion Groups and Youth Rallies  
Contact Chaplain's Office for specifics.  
**JEWISH SERVICES**  
**EAST WING — ALL FAITH CHAPEL**  
Sabbath Services every Friday  
**UNITARIANS**  
**CHAPEL ANNEX 95**  
Services—(Sept.-May) 1930



**REBOUND SNARED** — Scott Fulton (50), a reserve who came off the bench to give the Burros a boost in the second quarter, latches onto a rebound in the Burros vs. Palmdale boys' varsity basketball game. Looking for the ball on a pass from Fulton is Dalton Heyward (40), high point man for the Burros in the Palmdale game. —Photo by Don Cornelius

**Burros win two league tilts...**

(Continued from Page 6)

The final period of play opened with Burroughs leading by a score of 51-43, and the local team tallied 23 more points, compared to 20 for Saugus, to win by a final count of 74-63.

The Centurions were able to capitalize on free throw opportunities in the fourth quarter, when Treddick hit nine charity tosses for the Centurions to help keep them in the game.

In the final 8 min. of action, the Burros saw a 10-point lead dwindle to 5 (66-61). A time out was called by the Burroughs coaching staff and a midcourt trap play was called. It worked, with the result that Heyward scored a quick basket on a slam dunk.

The lanky BHS center also drew a foul on a drive for the basket and canned two free throws in the hectic closing minutes of the game. In the final 30 sec. of play, Billy Brown and Danny Drake each scored a basket on a steal and a layup that opened up the 11-point margin of difference in scoring between the two teams at the final buzzer.

The game's high point man was Treddick, who tallied 32 for Saugus, while a teammate, John Brooks, looped in 16.

The Burros were led by Heyward, who had 21 points on 8 field goals and 5 free throws. Other Burroughs High cagers in the double-figure scoring column were Curtis Edmondson (17), Robertson (12), and Drake (10).

**Cerro Coso College is offering varied physical fitness classes**

Classes designed to keep an individual physically fit are being offered this spring by Cerro Coso Community College.

A wide variety of over 30 college-level classes in physical education are included in the spring semester catalogue.

Physical Education 5a, "Aerobics" will concentrate on the theory and practice of jogging including a planned fitness program for each student. This class will meet on Monday and Wednesday from 8 to 9 a.m. Several other beginning and intermediate aerobic dance classes will also be offered at various times.

General conditioning classes are included in the spring line-up with emphasis on improving fitness through exercise. Ballet, softball, golf, swimming, tennis, volleyball, weight training and yoga classes have also been slated during the Spring 1981 semester.

Two classes in skiing "Introduction to Nordic (cross country) Skiing," will be offered. The dates of the first class are Feb. 27, 28 and March 1, with an orientation meeting on Thursday, Feb. 19; the second class will be offered on March 13, 14 and 15, preceded by an orientation meeting on March 5.

"Introduction to Backpacking" is being offered on Wednesdays from 7 to 9 p.m. starting Jan. 14. This 2 unit class is designed for beginners who need help in equipment selection and basic camping techniques.

Late registration of students for the spring semester will continue through Friday, Jan. 30.

To register, students must complete an enrollment application form and return it to the Office of Admission and Records. Individuals will then receive a Permit to Register Card and a blank class program. At that time a registration appointment will be scheduled.

**Employee service awards**

The following Naval Weapons Center employees have received Federal service or NWC length-of-service awards:

 Don P. Phillips 30 yrs. NWC Service Code 3644	 Julian S. Almaraz 30 yrs. NWC Service Code 3953	 Jackson D. Whitfield 30 yrs. Fed'l Service Code 3661	 William T. Cooper 30 yrs. Fed'l Service Code 36401
 Walter J. Becktel 25 yrs. Fed'l Service Code 62411	 Richard B. Seeley 25 yrs. Fed'l Service Code 319	 Ralph P. Schwarzback 25 yrs. Fed'l Service Code 366	 Manuel A. Torres 20 yrs. Fed'l Service Code 6242
 Edlin E. Patterson 20 yrs. Fed'l Service Code 3606	 Carl W. Morphis 20 yrs. NWC Service Code 3141	 Robert D. Berry 20 yrs. Fed'l & NWC Code 3191	 J. Vernon Monckton 20 yrs. NWC Service Code 3921

**Mixed scramble golf tournament planned**

Plans were announced this week for a mixed scramble golf tournament that will be held at the China Lake golf course on Saturday, Jan. 24, starting at 8:30 a.m.

There is an entry fee of \$4 per person for this event, which is being sponsored by the China Lake Golf Club, and one prize will be awarded for every eight golfers who enter the tourney.

The tournament is open to any man or woman golfer who has an established handicap—either local, Southern California Golf Association, or Western Amateur Golf Association.

An entrant's current January handicap, or the lowest handicap for the previous 12 months (plus 2 strokes), will be used, which ever is lower.

**Promotional Opportunities**

(Continued from Page 2)  
specifications, etc.; ability to use and maintain tools and equipment; knowledge of materials; interest in and potential to manage people problems. Note: This position may become permanent at a later date as a result of this ad. File SF-171 and Supplemental Wage Grade Supervisory information sheet to be received not later than Jan. 30, 1981. Supplemental form may be picked up in the Personnel Bldg., Rm. 210, or reception desk in this building.

**Announcement No. 26-052, Sheet and Plate Metal Worker, WG-3801-11, JD No. 810404E, Code 2611** — (two vacancies). Positions are located in the Metal Shop, Public Works Department. Incumbent is responsible for the layout, fabrication, assembly and installation of prototypes and experimental parts and equipment made from various types of ferrous and non ferrous metal and alloys. Performs electric arc welding, oxyacetylene welding, radio graph machine cutting. Uses a wide variety of hand tools and power machines for such processes as bending, forming, fitting and welding. Works with many different commercial stock shapes and forms ranging from light gauges to heavy steel plate. Job Relevant Criteria: Knowledge of materials, guides, etc.; computing and trade mathematics; layout and pattern development; ability to cut materials pertinent to the trade; ability to braze, solder, spot weld and gas weld; ability to use hand and power equipment (braking, forming, fastening, etc.); reading blueprints; ability to do sheet and plate metal work without more than normal supervision. Supplemental qualifications statements is required and may be picked up in Rm. 210 of the Personnel Building, or at the reception desk in that building.

**Announcement No. 26-053, Mobile Equipment Operations Foreman, WS-5701-11, JD No. 810404E, Code 2671** — This position is head of the Heavy Equipment Operations Section, Operations Branch, Transportation Division, Public Works Department. The incumbent gives direct supervision to personnel who operate weight handling, rigging, heavy earth moving and construction equipment, and railroad equipment. Assigns crews to work at all ranges and areas on Center. Plans and coordinates sequence of operations, necessary equipment and time for completion. Interprets blueprints and instructions as required, and prepares layouts and sketches, resolves working problems and initiates corrective action to complete work on schedule. Determines personnel

equipment, and material needed to complete jobs. Inspects work in progress, and is responsible for quantity and quality of work performed. Job Relevant Criteria: Ability to supervise; operation of motor vehicles; work practices; ability to interpret instructions, specifications, etc.; interest in and potential to manage people problems (EEO). File SF-171 and Supplemental Wage Grade Supervisory information sheet to be received not later than Jan. 30, 1981. Supplemental form may be picked up in Rm. 210 of the Personnel Bldg., or at the reception desk in this building.

**Announcement No. 60-001, Program Manager, DA-340-4, PAC No. 810501** — This position is that of program manager for the Commercial/Industrial Type Activities (CITA) Study Program. The incumbent will provide technical and administrative management for all CITA matters at NWC. The incumbent will be responsible for planning, organizing and directing a project team, tracking program status, and making all required reports to Center, Navy and DoD management. Job Relevant Criteria: Demonstrated ability to manage a program; knowledge of the planning and allocation of resources; ability to work with senior military and civilian personnel at NWC, DoD and other interested groups; knowledge of OMB Circular A-76 and DoD and Navy guidelines on CITA type studies.

**Announcement No. 32-002, Supervisory Mechanical Engineer, DP-820-4, Supervisory Electronics Engineer, DP-855-4; Supervisory Aerospace Engineer, DP-1530-4; Supervisory General Engineer, DP-801-4; Supervisory Physicist, DP-1310-4 (Interdisciplinary), PAC No. 8032513, Code 321** — This position is that of head, Sensor Systems Division, Fuze and Sensors Department. The function of the division is to conduct theoretical, analytical, and experimental work in the general fields of systems theory and design, electronics, optics, and electro-magnetic radiation in support of the Naval Weapons Center's missile fuze and sensors program. The division's activities are directed primarily at exploratory development of proximity-sensing fuzes, fuze components, and short range tactical sensors; a minor fraction of the activity is classified as advanced development and applied research. A secondary function is to provide services in the design and construction of breadboard and engineering models and in the microelectronic component area. Division personnel also manage the total Navy's guided missile fuze exploratory development program and represent the Navy and the United States on international technical data exchange panels. Job Relevant Criteria: Demonstrated ability to supervise; ability to plan, organize and direct the work of a complex technical/service organization; background in the RF and electro-optical sensors technology areas or a closely related field; professional expertise and accomplishment; demonstrated support of the Center's EEO program. Supplemental statement required, can be picked up from Susie Cross, Rm. No. 200, Bldg. No. 24. Previous applicants need not apply.

**Announcement No. 33-004, Secretary (Typing), GS-318-5, PD No. 8033073N, Code 3306** — This position serves as secretary to the head, Interactive Graphics Program Office. Major duties include receiving visitors, telephone calls and mail; typing official correspondence, travel orders, security clearances and itineraries; scheduling conferences and meetings; and maintaining supervisor's calendar and files. Job Relevant Criteria: Knowledge of the Center's clerical procedures; ability to deal with people at all levels of organization; ability to type.

**Announcement No. CP811, Bar/ender, NA-7405-3, \$2.69 per hour plus benefits, permanent, full-time, Chief Petty Officers Mess (Open)** — This is not a Civil Service position. Must be able to operate liquor pumps, soda dispenser and other related bar equipment; know different types of drinks and how to prepare them with proper garnish, etc.; be neat in appearance and manner at all times.

**Announcement No. C081, Food Service Worker, NA-7408-3, \$2.49 per hour plus benefits, permanent, full-time, China Lake Golf Course Snack Bar** — This is not a Civil Service position. Must be able to mix and serve alcoholic drinks and short order cook, willing to follow instructions as shown by supervisor.

**Announcement No. C0812, Waitress, NA-7420-3, \$3.51 per hour plus benefits, permanent, full-time, Commissioned Officers Mess (Open)** — This is not a Civil Service position. Must be fully trained to perform all duties required for operations in a dining room and bar; must be physically able to perform arduous duty such as prolonged standing, walking, reaching and moderate lifting (25 lbs.).

**Announcement No. B0811, Bowling Equipment Mechanic, NA-4742-7, \$5.04 per hour plus benefits, permanent, full-time, China Lake Bowling Center** — This is not a Civil Service position. Must be a high school graduate or equivalent; have at least two years experience working as a bowling equipment mechanic with experience working with AMF bowling machines; have knowledge of bowling center operations and lane maintenance. Apply for non-Civil Service positions with Betty Chestam, Bldg. 21, Ph. 3387.



Recreation Roundup

NWC varsity cage team's '81 season ends prematurely

The 1980-81 season for the NWC varsity basketball team came to a premature halt this past week.

The China Lake players, who had been scheduled to play a game last Saturday at the Miramar Naval Air Station in San Diego, didn't show up at the time scheduled for their departure. This triggered the resignation of John Smith as coach of the team.

Also called off was participation in an invitational basketball tournament this weekend at Norton Air Force Base in San Bernardino.

RACQUETBALL TOURNEY SLATED

Next Wednesday is the deadline for entering a doubles racquetball tournament that will be played on Jan. 24-25 on the Center's racquetball courts.

There is a registration fee of \$10 per team that is payable at the time of registration at the Recreation Coordination Office. The number and type of awards the winners and runners-up in the various divisions of the tourney will be eligible to receive will be determined by the number of entrants.

Plans for the doubles racquetball tourney are being coordinated by Les Saxton and Ron Derr.

SKI EQUIPMENT FOR RENT

Active duty military personnel and their dependents can now arrange for rental of ski equipment through the Recreation Coordination Office.

Rental of skis, boots and poles is \$6.25 per day per person. Further information may be obtained from the Recreation Coordination Office by calling NWC ext. 2010.

Triangle Mobile Homes bowlers slip notch; still in lead

The Triangle Mobile Homes team bowlers, leaders of the Premier (scratch) League, stumbled Monday night — losing two out of three games to the Fisher Plastering squad.

Despite this setback, the Triangle Mobile Homes keglers have a comfortable 9-game lead over the second place Buggy Bath team, while Fisher Plastering is in third place — just one game out of a tie for second.

High team game for the night was the 974 rolled by the Buggy Bath bowlers, while Clancey's Claim Co. posted the high team series score of 2,798.

In what was an off night for the Premier League keglers, just two bowlers topped the 600 series mark. They were Dave Vander Houwen and Walt Emde, who both had three-game scores of 602.

Two others bowlers, Roger Rivest and John Terning, had single game scores in excess of 220 with totals of 224 and 222, respectively.

Current standings in the Premier League are:

Team	Won	Lost
Triangle Mobile Homes	41	13
Buggy Bath	32	22
Fisher Plastering	31	23
The Place	28	26
Clancey's Claim Co.	27	27
Raytheon Siders	27	27
ParFlow Construction	27	27
Hideaway	20	31
Elks Lodge	19	32
E.R.I. Hustlers	16	38

Burroughs hoopsters defeat Palmdale, Saugus

In defense of their Golden League championship, the Burroughs High School boys' basketball team, coached by Larry Bird, turned back the Palmdale Falcons 73-62 in a home game played last Friday at the BHS gym, and defeated the Saugus High Centurions Tuesday night in a game played at Saugus by a score of 74-63.

The Burros, who now have three straight wins in league play, will be on the road again tonight for a game at Quartz Hill. Tip-off time for the varsity clash is 8 p.m.

The Burros, who seem to draw the best out of their opponents due to their status as back-to-back league champs, had their hands full in a seesaw first half against the visitors from Palmdale.

EARLY LEAD SLIPS AWAY

An early 9-2 first quarter lead by the Burros melted away as the Falcons drew even in the final 3 min. of the first stanza and then moved in front 20-17 as the first period came to a close.

Dalton Heyward, stellar center for the Burros, opened the second quarter with a field goal and scored again on a slam dunk seconds before the first half ended with BHS out in front by the narrow margin of 37-35. Between those two bits of action, the Palmdale Falcons hung grimly onto a lead of no more than 4 points throughout most of the second period of play.

Scott Fulton came off the bench in the final minutes of the second quarter to hit two quick baskets—the second of which tied the score at 33-33 and set the stage for Burros' go-ahead bucket by Heyward.

A defensive change utilized by the Burros proved effective by holding the Falcons to just 5 points in the third quarter, while the BHS varsity scored 14 to build up a 51-40 lead.

RESERVE PLAYER DOES WELL

Another reserve, Robert Fairchild, made his presence known on the court by scoring 10 points during the second half and putting down 11 rebounds. The Falcons refused to fade away, however, and succeeded in cutting the Burros' lead to 5 points (67-62) with a minute left to play in the game.

At that stage in the contest, Heyward sparked a 6-point surge with another slam dunk on an assist from Curtis Edmonson, and the Burros streaked to an 11-point win of 73-62.

Heyward was the game's high point man with 10 field goals and 3 free throws for a

total of 23. Other Burros in the double-figure scoring column were Billy Brown with 15, and Fairchild, who tallied 12.

John Kidwell led the Falcons with 17 points on 6 field goals and 5 charity tosses. Other leading scorers for Palmdale were Lanell Culver, who had 14, and Brett Moore, with 13.

Danny Drake, guard and play-maker for the Burros, was credited with 14 scoring assists in the Palmdale game, just one short of the school record that he set earlier this season.

In Tuesday night's tilt at Saugus, the BHS varsity hoopsters got off to a good start in the first quarter by hitting 11 of 14 of their field goal attempts (78 percent) as they moved ahead by a score of 24-16.

Six players got in on the first period scoring for Burroughs, led by Dalton Heyward and John Robertson, who tallied 6

points each.

For the remainder of what developed into a tightly played first half, the momentum shifted to the Saugus Centurions, whose scoring ace, Scott Tredick, eluded Burros defenders and looped in 10 points to go along with 8 more he had tallied in the first period.

After two quarters of play, the BHS lead had been cut to a 4-point margin of 37-33.

According to Coach Bird, the game was won in the third quarter when a defensive change by the Burros took the Centurions out of their standard offense with the result that they got off just 7 shots at the basket and made 5 for a total of 10 points.

With the emphasis on defense in the third stanza, scoring by the Burros was limited to 14, with Curtis Edmonson accounting for 6 of them.

(Continued on Page 7)



ROADBLOCK THROWN UP — Ron Pilkington, starting center for the Palmdale Falcons, runs into heavy traffic under the basket as he attempts to score in the Burros' varsity vs. Palmdale tilt last Friday night. Curtis Edmonson, a forward for Burroughs, gets one hand on the ball, as Dalton Heyward (40) prepares to help out on defense. The Burros plucked the Falcons 73-62 in winning their second Golden League tilt of the 1981 season. —Photo by Don Cornelius

Results of Intramural League games reported

Following a break in the action during the Christmas-New Year's Day holiday period, a full schedule of China Lake Intramural League basketball games was played last week at the Naval Weapons Center gym.

In Division A, the Loewen's A cagers got their act together and won their first two league games.

The Loewen's hoopsters, led by Steve Nathan's 21 points, handed the initial loss of the season to Charlton and Simolon by a score of 57-51. In a closely played game, the two teams were tied 28-28 at the half, but the Loewen's A team outscored the division leaders in the final 15 min. of play.

In addition to Nathan's 21 points for the Loewen's A squad, a teammate, Mike Graham, chipped in 10. Leading scorers for the Charlton and Simolon team were Mason Bazemore and Terry McRoberts, who tallied 15 and 14 points, respectively.

In two other Division A tilts played last week, Loewen's A defeated KMCC Piranha 56-45, and We Party rolled to a lopsided 45-29 win over Desert Lakes.

Andy Price and Kevin Kopp, who hit 15 and 10 points, respectively, paced the victory by Loewen's A over the KMCC Piranha cagers. Loewen's A led 29-24 at the half, and was up by 11 points at the final buzzer.

We Party staged a second half rally in knocking off Desert Lakes 45-29. The halftime score was 17-12 in favor of Desert Lakes, but the We Party hoopsters turned things around after the mid-game break to win by a total of 16 points.

Tom Flourney and Millard Bell, with 12

and 10 points, respectively, led We Party on offense, while Al Sorenson was the high scorer for Desert Lakes with 11.

In the only Division B game played last week, the Loewen's B team ran its win streak to four in a row at the expense of the Panthers, whom they defeated 60-36. The Panthers could muster just 10 points in the first half, and trailed 27-10 midway through the contest.

Loewen's B team was led in the scoring department by Ken Dorell with 14 points, and by Mel Miles and Garyl Smith, with 12 points each. Top scorer for the Panthers was Randy Smith, with 12.

The Comarco Chicken Hawks, top team in Division C, took over the lead by posting victories over the Gas Bags and Floor

Burners by scores of 34-30 and 46-34, respectively.

It was a toss-up with the score tied at 14-14 at the end of the first half of the game between the Chicken Hawks and the Gas Bags, but the Comarco team forged ahead by a scant margin in the final 15 min. of play to win by a margin of 4 points.

Rick Noland, of the Chicken Hawks, was the game's top scorer with 12, while Carl Peacock tossed in 10 for the victors. The Gas Bags were led by Jim Salmon and Scott O'Neil, who tallied 10 points each.

Noland was the big gun for the Chicken Hawks in their win over the Floor Burners, as he tallied 22 points. Scoring for the Floor Burners was evenly distributed between Tom Fortney, Art Castillo, Dennis Edmonson, and Richard Dominguez, who hit 8 points each.

The Chicken Hawks got off to a 24-16 halftime lead and outscored their opponents 22-18 in the last half to win by a final margin of 12 points.

In the only other Division C game last week, CSC won its third game in row by outscoring the Supply Bombers 61-40.

The CSC team, led by Farris Bandak, with 18, and Dennis McKeen, who tallied 17 points, had too much fire power for the Supply Bombers, whose leading scorer was Mel Foremaster, with 13. After getting off to a 32-22 halftime lead, the CSC cagers peppered the hoop to the tune of 29 points, compared to 18 for the Bombers in the second half.

China Lake Intramural Basketball League Standings as of Jan. 9:

Team	Won	Lost
Division A		
Charlton and Simolon	3	1
We Party	2	1
Desert Lakes	2	2
Loewen's A	2	2
KMCC Piranha	0	3
Division B		
Loewen's B	4	0
F Troop	2	1
Panthers	1	2
Firefighters	0	2
Zephyrs	0	2
Division C		
Comarco Chickenhawks	4	0
CSC	3	0
Floor Burners	2	2
Gas Bags	1	2
Pizza Villa Poochies	1	2
Supply Bombers	0	4



CLEAN UP NEEDED — Mike Cobb and Bob Woolever, the two members of NWC's Litter Squad, clean up trash that has gathered at the NWC perimeter fence on the Inyokern Road. They will be spearheading tomorrow's area-wide clean-up day, Project Community Pride. —Photo by Don Cornelius

Project Community Pride...

(Continued from Page 1)

Department, the Supply Department, the NWC galley, and the Navy Exchange.

As the bags are filled with trash, they will be picked up by the Seabee Reservists and the two members of the NWC Litter Squad and transported to the county dump, which has been alerted to expect a stream of trucks that day. Aluminum cans and bottles, which can be recycled, will be separated from the other trash and sent to the recycling center on Richmond Road. The clean-up operation is expected to end by 3

p.m.

Groups volunteering so far include the Oasis Garden Club, the Ceramics Club, Girl Scouts, Explorer Ski Post, Little League Baseball, Navy Wives Club, Sea Cadets, Chief Petty Officers Association, Children's Center, Cub Scout Pack 805 and the First Class Ways and Means Committee. Numerous individuals have also called to volunteer not only their efforts but those of their families as well.

"But there's always room for another volunteer," says Ens. Dorrell.

Technical Director Award...

(Continued from Page 1)

Department.

Jaeger was honored for his exceptional technical excellence in developing an advanced aircraft self-protection radar, and for his outstanding contribution to the successful design, fabrication, and demonstration of the Helicopter Attack Warning Radar System and the Attack Warning and Protection System — two radar systems that incorporated techniques new to the radar art.

This recipient of the Michelson Laboratories Award is a supervisory electronics engineer in the Exploratory Development Branch of the Fuze and Sensors Department's Sensor Systems Division. He began his Civil Service career at the Naval Ordnance Laboratory (NOL) in Corona, Calif., in 1960, and transferred to China Lake from Corona in 1970.

Jaeger has bachelor of science degrees in mathematics and electronic engineering that he received in 1959 and 1960, respectively, from the University of Houston in

Old access permits to expire on Feb. 1

The grace period for acceptance of the old controlled area access permits will expire as of Feb. 1.

Persons needing access to the airfield or range areas to transport NWC personnel to work, or to attend club functions in those areas, will be required to display the new controlled area access pass.

For information on requesting a new pass, interested persons should contact their department security coordinator or call the head, Internal Security Branch, Code 2431, at NWC ext. 2079.

Navy receives award for Civil Service reform implementation

The prestigious Ribicoff-Percy Award for Excellence in Civil Service Reform Implementation was presented to the Department of the Navy last Friday at the second annual awards ceremony of the Office of Personnel Management.

The Navy won the award on the basis of the CSRA Demonstration Project that took effect at the Naval Weapons Center and the Naval Ocean Systems Center, San Diego, last July 13.

Jule Sugarman, Deputy Director of OPM, presented the award to W. E. Carroll, Deputy Assistant Secretary of the Navy for Manpower, Reserve Affairs, and Logistics. Bob Hillyer, NWC Technical Director, and Steve Sanders, who has been serving as acting head of the Personnel Department, attended the ceremonies held in the auditorium of the State Department Building in Washington, D. C.

The text of the award states "For excellence and leadership in designing and implementing a demonstration project to show that the productivity and effectiveness of research and development laboratories can be greatly enhanced by adoption of certain private sector management practices in managing scientific, engineering, and other employees.

"As a result of this project, the Department of the Navy has established a high standard of excellence in public personnel research that is worthy of emulation by other public and private organizations. It has also set an excellent example of how government and academia can work cooperatively in promoting research and demonstration projects.

"The contributions of the Department of the Navy in this important aspect of Civil Service reform testify to its high professionalism. The Department of the Navy, and particularly the management and employees of the Naval Weapons Center, China Lake, and the Naval Ocean Systems Center, San Diego, California, richly merit commendation and praise."

The Demonstration Project was conceived more than two years ago as an opportunity for the Center to capitalize on

some of the initiatives authorized under Civil Service Reform. The first group of personnel covered included all scientists and engineers and all other personnel at the GS-13 through GS-15 levels.

As of last Sunday, all administrative personnel at the GS-12 level have also been included. Technicians will be included before the end of this calendar year, with other NWC personnel to follow.

A plaque representing the award is now on display in the Office of the Secretary of the Navy. It will shortly be sent here for exhibit, and a duplicate sent to NOSC, San Diego, as well.

Alien residents must report addresses during January

The Immigration and Nationality Act requires aliens residing in the United States on Jan. 1 of each year to report their addresses to the Attorney General during the month of January.

This includes alien members of the Armed Forces in the United States on Jan. 1 and all aliens who are relatives of members of the Armed Forces and who are residing in the United States on Jan. 1.

Alien residents temporarily absent from the United States during the month of January must report their addresses within 10 days after returning to this country.

Forms I-53, the cards upon which this report must be made, are available at any United States Post Office during the month of January. They may also be obtained from the Department of Justice, Immigration and Naturalization Service, Washington, D.C. 20536 or any branch office of the INS around the country.

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 members of the Armed Forces having relatives who are not U.S. citizens but who are residents of this country and to all members of the Armed Forces who are themselves aliens.

YN2 Kimberly Ryder receives VX-5 Sailor of Month honor

Yeoman Second Class Kimberly A. Ryder has been selected as Sailor of the Month for the month of November by Air Test and Evaluation Squadron Five.

According to a letter to YN2 Ryder from Capt. N. B. Nash, Commanding Officer (acting) of VX-5, "your selection as VX-5 Sailor of the Month is made based on your professional performance, military bearing, personal appearance, and dedication to duty."

YN2 Ryder, who has been in the Navy a little over three years, came to China Lake from "A" school in March 1978. She began working with filing systems before

becoming the mail TAD yeoman, and has been working for the VX-5 legal officer for about a year.

Her work with legal affairs has kindled such an interest in the law that she plans to learn to become a court reporter on the completion of her tour in the Navy.

Although her fiancé, who is also a member of VX-5, has his home in California, YN2 Ryder plans to return for a while to her home near Pittsburgh, Pa., when her tour of duty is completed. "I'd like a change from the constant sunshine," she said, "I really miss an occasional blizzard."

The constant sunshine, however, has enabled her to enjoy her hobby of jogging since she has been at China Lake. Knitting, her other main hobby, can, however, be done just as well inside while watching the snow fall.

As a result of her selection as VX-5 Sailor of the Month, YN2 Ryder will receive a letter of appreciation delivered at an appropriate ceremony at quarters, a VX-5 plaque, and a 96-hour special liberty, plus 30 days of no-duty status. She will also have a reserved parking place at Hangar 1 for the month, and get one month of free coffee from the VX-5 coffee mess.

Energy conservation tip

The warmth from a fire on the hearth generally doesn't radiate through the house; the heat gain is confined to the room with the fireplace. And when your furnace is on, too, a considerable amount of heated air from the rest of the house flows into the fireplace and goes wastefully up the chimney.



YN2 Kimberly A. Ryder

### Three assessments due from GEBA-CLMAS members

Members of the Government Employees Benefit Association and the China Lake Mutual Aid Society will be assessed for three of five recent deaths of members.

Assessment No. 525 is for Rulon Hatten, who died on Dec. 21; assessment No. 527 is for Gandy McLeroy, who died on Jan. 5; and assessment No. 529 is for Judson Smith, who died on Jan. 13. There will be no assessments for the deaths of Pete Zamarron (No. 526) and Mae Hughes (No. 528).

The collection of assessments is being handled by Larry Mason, GEBA and CLMAS treasurer. They can be mailed to him at P.O. Box 1559, Ridgecrest, CA 93555.

NWC employees and their spouses are eligible for membership. On the death of a member, the family receives a check for \$1,500 within 24 hours to help with immediate expenses.

Employees interested in joining can obtain information on GEBA and CLMAS membership by calling Mason after working hours at 446-4794.

## CHAMPUS UP=DATE

Drugs and medication provided by a hospital for use beyond the hospital stay will now be cost-shared by the Civilian Health and Medical Program of the Uniformed Service (CHAMPUS) under the same rates as hospital care.

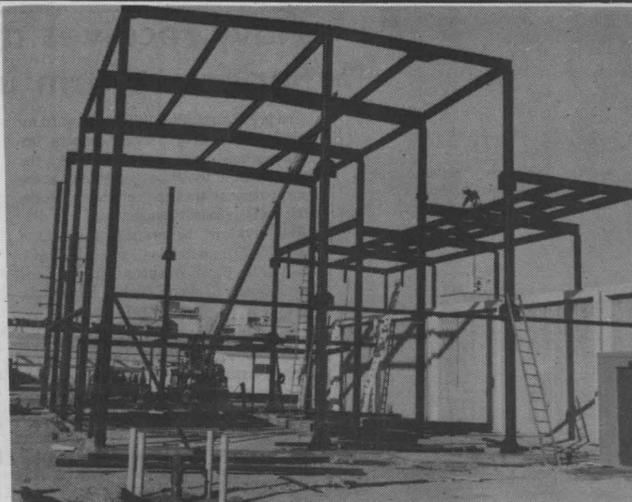
A limit of \$15 has been set, to restrict the benefit to cover only an amount of drugs and medication considered sufficient to facilitate the patient's transition from hospital to home — "take home" drugs.

Previously, under the CHAMPUS regulation, the take-home drug portion of an inpatient claim was denied and the beneficiary/sponsor was told that a separate outpatient claim had to be filed.

The new policy means reduced costs for beneficiaries in many cases:

For dependents of active duty members, CHAMPUS will share all costs of authorized take-home drugs that do not exceed \$15 since they will be included in the \$5.50 per day rate (the FY 1981 rate for active duty dependents).

For retirees and their dependents, CHAMPUS will share 75 percent of the cost (\$15 or less) regardless of whether or not the 50 outpatient deductible had been met.



**CONSTRUCTION WORK UNDERWAY** — The structural steel framework for a Missile Guidance Simulation Laboratory is now being erected adjacent to the Michelson Laboratory Computer Wing. The new building is being constructed under a contract awarded to the Kunert Electric Co. of Loma Linda, Calif., and is expected to be completed on schedule by the end of May. Roofing and sidewall material has just been approved, and the work is now expected to move along rapidly. The taller portion of the new structure will house an anechoic chamber that will be used in the Harpoon Missile Program.

## FWP Committee seeks members to help represent work force

The Federal Women's Program (FWP) Committee is actively seeking new members to help represent all facets of the Center's work force. Particularly needed are military enlisted men and women, and those (military and civilian) who represent the younger age groups of Center employees or represent ethnic or national minorities.

Professional and administrative personnel and tradespeople are also needed.

The FWP Committee tries to improve employment opportunities for women, to provide planning and policy guidelines for implementing the FWP locally, and to support the FWP manager in her interface with Center management. Approximately six to eight hours per month of time is required of each committee member.

To help carry out this program better, the committee's bylaws were amended at the December meeting to increase committee membership from 12 to 16, and to extend each member's term to four years so that only one-fourth of its members will be new each year.

Personal qualifications required of men

and women who volunteer for collateral duty as members of the FWP committee are maturity, objectivity and personal commitment to help provide a better employment climate for women.

"We can't afford to waste the brains and talents of 50 percent of the potential work force," says Lisa Freeman, an FWP committee member. Ms. Freeman serves as contact for those who wish to volunteer their time and efforts. She may be contacted by calling NWC ext. 7474 or 7458.

### Film to be shown at IEEE meeting Monday

Ray Morrow will show movies and viewgraphs about vertical seeking ejection seat guidance and control at a lunch meeting of the Institute of Electrical and Electronics Engineers (IEEE) on Monday at 11:30 a.m., in the Chart Room of the Commissioned Officers' Mess.

He will talk about current and past efforts at NWC to test the feasibility of the seat, emphasizing guidance and control sensors and the design of the autopilot in his discussion.

average, which high school students can obtain from their high school registrar's office. College students may use their college grade point average if they have at least 12 semester or quarter hours.

If an applicant is claiming a 10-point Veteran Preference, an SF 15 must also be submitted with a photo copy of appropriate proof.

Filing deadline for Group I clerical positions is April 17, 1981.

Group II (Non-clerical) jobs with ratings of GS-2/4, will be filled in the following fields at NWC: Engineering Aid, Computer Aid, Math Aid, Physical Science Aid, Chemistry Aid, Biological Aid, Lifeguard, and Recreation Aid.

A separate application must be submitted for each specific option that a student wishes to be considered for.

The following forms must be submitted for each: an SF 171 or OPM Form 1282(1-79), Federal Employment Application; college transcripts to include courses taken through the winter quarter or fall semester (unofficial transcripts are acceptable), or, for high school graduates, a grade point verification; OPM Form 1170/17, List of College Classes, or, on a plain sheet of paper

with name and Social Security number listed at the top, the applicant must list all classes in which the applicant is enrolled and expects to complete by June 1981; and SF 15 if a 10-point veteran preference is claimed.

Filing deadline for Group II positions is March 13, 1981.

Group III includes positions in grades GS-5 and above. This category includes professional, technical or administrative work. Applicants must be college graduates, graduate students, faculty members, or must possess the equivalent in experience related to the duties of the position for which application is made. Education and experience must be relevant to that particular kind of position.

Applicants for Group III positions must submit either an SF 171 or OPM Form 1282, Federal Employment Application; college transcripts, if qualifications are based on education (unofficial transcripts are acceptable); and SF-15 if a 10-point veteran preference is claimed.

Filing deadline for Group III position is April 17, 1981.

NWC may re-employ, without additional competition, its summer employees ap-

## Police reports . . .

An unlocked window at a family residence on Vieweg Circle provided the means of entry for a burglar who made an unwelcome call shortly before 4 a.m. last Friday.

One of the occupants of the residence heard the family dog barking and got up to investigate. What he found was a kitchen window open and his wife's billfold lying open in the middle of the living room floor. Missing from the billfold was \$87 in cash.

**STOVE, REFRIGERATOR STOLEN**  
A theft of government-owned furniture from a vacant residence in the 200 block of Dobb Road was discovered and reported Monday afternoon to China Lake police. The missing items, a stove and refrigerator valued at \$625, are believed to have been taken sometime between Dec. 9 and Jan. 12.

**LEAD PLATES DISAPPEAR**  
This past Monday afternoon, China Lake police also received a report of the theft of seven solid lead plates that been stored in a building in the warehouse area.

Theft of the lead plates, valued at \$491, occurred sometime between Jan. 7 and 9.

**COMPLAINT SOUGHT**  
A complaint is being sought in the East Kern Municipal Court against an NWC employee who allegedly removed air hoses and fittings, valued at \$75, from a shop in the Public Works compound.

The employee was apprehended after he had concealed the stolen property in his private vehicle and was attempting to leave the Naval Weapons Center.

### Handicapped advisory gp. to meet again Tuesday

The Naval Weapons Center's Handicapped Employment Advisory Committee meets monthly to assist the Equal Employment Opportunity (EEO) Office in developing and implementing a program for employment of the handicapped at NWC.

Assistance to NWC employees is provided by committee members. Anyone interested in the activities of this committee may contact the following members:

Dan Banks, chairman, call NWC ext. 6360; Beth Hughes, secretary, phone NWC ext. 2776; or Jim McNeely, call NWC ext. 3449.

Meetings of the committee, which are open to all interested persons, are held at 3 p.m. on the second Tuesday of each month at the Enlisted Mess. Because of EEO training, however, the January meeting of the committee has been scheduled on Jan. 20.

pointed to Group I, II or III jobs in 1978, 1979 and 1980. Those qualified for such re-employment should submit forms described in the various groups from which they were appointed in the previous year.

No Group IV jobs are filled at NWC.

Group V, Summer Aid, Employment for Needy Youth positions employs economically disadvantaged youths between 16 years and 21 years of age. There is no requirement to be a high school graduate nor is there a written test. Rate of pay under this program is \$3.35 per hour, and sons and daughters of Navy employees, either civilian or military, are not qualified to apply.

Applicants must submit an SF 171, and a Background Questionnaire (11ND-NWC 12308 / 1 (7-80)).

Filing deadline for Group V position is May 1, 1981.

All applications along with their supporting forms must be mailed to: Naval Weapons Center, Summer Employment Office (Code 092), China Lake, Calif. 93555, or taken to the Civilian Personnel Building on Center.

Appointments are made without regard to race, color, religion, national origin, sex, or political or personal favoritism.

## Experts expect earthquakes in California

Because of the eruption of Mount St. Helens, California will be better equipped to handle the aftermath of a major earthquake. Experts state that the likelihood of a catastrophic earthquake in this state before the year 2010 far exceeds 50 percent.

Following President Jimmy Carter's visit to the State of Washington to view the destruction caused by the volcanic eruption, he directed that an assessment be made of the effects of a catastrophic earthquake in California so governmental officials could join in planning how to meet such an emergency. A preliminary summary of the final report, prepared by numerous agencies under the direction of Frank Press, Science and Technology advisor to the President, recently has been released by President Carter and Governor Edmund G. Brown, Jr., of California.

The report advises integrated planning to meet communication and medical needs as well as other emergency requirements (brought in at the federal level by declaration of a state of emergency), recommends earthquake response practices be held at all levels of government, and notes that responses to earthquake predictions must also be considered as these became available.

Seismic activity in the state has increased dramatically since 1978, and other precursors of earthquakes are also being noted such as crustal stress and deformations like the Palmdale bulge.

### FAULT CAUSE OF CONCERN

The San Andreas fault is of major concern in California where a rupture in that fault could result in from 3,000 to 13,000 deaths according to the report. More damaging yet would be an earthquake on the Newport-Inglewood fault with a potential of over 23,000 fatalities. (Fatality estimates, experts advise, are guesses at best and could be wrong by a factor of four.)

Kern County lies in a very seismically active zone. It contains the San Andreas fault, the White Wolf fault (cause of the 1952 Tehachapi quake), a southern extension of the Sierra Nevada frontal fault zone (responsible for the 1872 Owens Valley earthquake), the Garlock fault, and a major fault running through Kern Canyon as well as many lesser known faults.

Earthquake preparations in Kern County have well predated the recent report. Most communities have prepared disaster plans (such as the NWC plan reported in the ROCKETEER of Aug. 8, 1980). The Kern Council of Governments commissioned Dr. Pierre St.-Amand, head of the NWC Research Department's Earth and Planetary Sciences Division, to develop a series of maps for the county showing all known faults so that builders can avoid straddling a fault with a new building.

As part of the earthquake awareness program in the county, California State College at Bakersfield recently sponsored an earthquake seminar conducted by Dr. William H. Wake, a Bakersfield geologist, in which he and Dr. St.-Amand discussed the geology and seismology of earthquakes.

They were followed by Ernest O. Kartinen, Jr., a professional engineer, who pointed out that buildings can be made earthquake-resistant, but not earthquake-proof. He noted that not only must a building be properly designed but also it must be properly constructed in accordance with stringent building codes, and that these building codes, especially for school buildings, have not been developed to meet acceleration forces that have been shown to result during quakes. The Field Act for school construction, for example, requires that a building be able to withstand an acceleration of .3 g, but the Mammoth lakes area earthquakes this summer measured at least 1 g acceleration, and there was major damage to a school building.

The need for increased classroom safety was pointed out by others in a panel composed of school and government officials.



**BE PREPARED** — Emergency supplies that should be on hand in each household in case of a major earthquake include a first aid kit, food and several gallons of water for each person, a battery-powered radio, a flashlight and spare batteries, and a wrench to use to turn off utilities in case of broken lines or mains. Page A-15 of the new East Kern County telephone directory also lists earthquake emergency information. —Photo by Ron Allen

Lighting fixtures need to be firmly chained to ceiling studs, and bookcases and shelves should be firmly attached to walls. Children should have regular earthquake drills in which they are taught to seek shelter either under their desks (where they have desks making that feasible) or by inside walls away from expanses of glass that can shatter. Relatively minor preparations, the experts noted, would be able to prevent many casualties among children if a quake occurs during school hours.

(The majority of major earthquakes in California so far have occurred between midnight and 6 a.m., but such timing seems merely fortuitous.)

The panel agreed with the governmental report that in a catastrophic earthquake most neighborhoods and individuals would have to look out for their own needs because fire departments and other emergency services will be deployed first to schools, hospitals, and other places with concentrations of people. Neighbors will have to help each other dig out of rubble or fight home fires.

### KEEP SUPPLIES ON HAND

Each household should be prepared for a catastrophic quake by having on hand a flashlight with functional batteries, a battery-powered radio (or functioning car radio), food, several gallons of water for each family member, first aid supplies, and a set of wrenches to turn off utilities in case of line breakages.

Homes can be made more resistant to earthquake damage by attaching bookcases and shelves to walls, storing heavy items on low shelves rather than overhead, and firmly attaching water heaters to walls so that they won't tumble during a shake and break gas lines loose. Cooling and air-conditioning units should not be placed on roofs whenever it is possible to locate them elsewhere because they, too, can break loose and crash through. And any heavy decorative hangings above beds (such as pictures, etc.) should also be moved.

Immediately following a major earthquake householders are asked to use their telephone books, but not their telephones. The new East Kern County telephone directory has a page of earthquake emergency instructions on page A-15; most telephone directories in the state contain emergency and survival instructions as a public service. Telephone lines, however, should be kept clear for emergency use only.

A new dimension in earthquake preparedness is developing with the likelihood of earthquake prediction capabilities. Governor Brown in his letter to President Carter pointed out that a prediction-response plan must also be developed to help governmental agencies assess their actions when such predictions

can reliably be made.

A semi-formal committee of leading earth scientists from government and the universities has been formed in California to collect, correlate and disseminate ever growing quantities of information about earthquakes and possible predictions to keep all scientists in the region updated on each other's findings.

### Energy conservation tip

To reduce overall lighting in non-working spaces, remove one bulb out of three in multiple light fixtures and replace it with a burned-out bulb for safety. Replace other bulbs throughout the house with bulbs of the next lower wattage. Use one large bulb instead of several small ones in areas where bright light is needed. Always turn three-way bulbs down to lowest lighting level when watching television. You'll reduce the glare and use less energy.

## New commander of RNMCB-17 inspects China Lake Seabees

Cdr. Ron Brown, USNR-R, recently assumed command of Reserve Naval Mobile Construction Battalion 17, with his first inspection being that of that of China Lake Detachment 0217.

In addition to inspecting the personnel of the local Seabee Reserve detachment, Cdr. Brown visited the Junction Ranch Springs Pipeline Project where RNMCB-17 has been busy conducting on-the-job training.

Cdr. Brown's association with RNMCB-17

## Target acquisition computations to be subject of seminar

A method for computing the probability of an aircraft being able to visually locate a ground target and launch a weapon against it will be discussed at a Technical Director's Seminar to be held on Wednesday, Jan. 21, starting at 3 p.m. in Conference Room 1 at Lauritsen Laboratory.

The seminar will be conducted by Ronald A. Erickson, head of the Targeting Analysis Office in the Targeting Division of the Aircraft Weapons Integration Department.

Erickson will discuss the major factors that are used in these computations, which are target acquisition performance, aircraft maneuvering requirements, terrain masking, visibility, and weapon operating time.

Estimates of these factors are based on "real-world" data whenever possible, as opposed to mathematical modeling.

The algorithm used to combine these factors will be described and sample results presented. The results show that the probability of releasing or launching a weapon against a target is quite low in many situations.

## Merchandise return procedures at NEX will undergo change

The Navy Exchange store's policy of guaranteeing satisfaction will result in several changes in procedures starting next Tuesday.

While merchandise may now be returned up to 45 days after it is purchased, a sales receipt will be required for any merchandise that is returned.

Items that are used or damaged may be marked "All sales final. No returns."

There will be stricter controls on refunds on automotive electrical merchandise that is sold over the counter for do-it-yourself patron installation. Items on which refunds will be more strictly controlled are starters, regulators and alternators.

began in 1964. In civilian life he is president of Haley Development, and Director of Health Affairs for Duval Corporation, the mining subsidiary of Pennzoil Company. Officer in charge of the China Lake Detachment is EO1 Cy Ebersberger, who is head of staff of the Office of Finance and Management. RNMCB-17 is composed of 630 men from California, Nevada and Arizona. Anyone who is interested in joining the Naval Reserve Seabees should contact Marvin Windsor by calling 377-4656.



**COMMAND INSPECTION** — BM1 R. V. Maples (back to camera) is being inspected by EO1 Cy Ebersberger, Officer-in-Charge of the local detachment of Reserve Naval Mobile Construction Battalion 17, and Cdr. Ron Brown, (at right) new commanding officer of the 630 personnel in RNMCB-17.