

### Educational campaign on drinking, driving is now in progress

Again this year during the month of December, the Council on Alcohol Awareness (formerly Council on Responsible Drinking) will conduct an intensive informational and educational campaign to alert the public to the problems created when driving is mixed with drinking.

Because this must be a communitywide effort in order to be successful, Dorothy Carlo, administrative director of the Council on Alcohol Awareness, is seeking support from interested individuals and groups in the Indian Wells Valley and the Rand mining area.

Anyone who wishes to schedule a presentation for a group or club to which they belong, or help in some other way with this community project, is asked to contact either Ms. Carlo or Sharron Lukens by calling 375-2271.

"Hopefully, by everyone working together, we can once again insure the safety of ourselves, our family and neighbors by reducing the incidence of drunk driving in this area during the holiday season," Ms. Carlo said.

### Wide variety of reading material available at library

Reading for cold winter nights is available to China Lake personnel and their dependents at the Naval Weapons Center Library.

While much of the collection of over 37,000 books, 400 record albums, 105 magazines and 16 newspapers has been selected to assist in employee development and career efforts, a wide range of purely recreational material is also included. A children's collection also entices youngsters to become bookworms and good readers.

Reference materials include a fine ethnic collection — much of which can be checked out — as well as most standard reference works. The library also maintains more than 175 telephone directories from major U.S. cities.

A study area and lounge provide a comfortable area to read or browse. A coin-operated copy machine is provided for reader convenience. Programmed learning machines are available for use in self-study courses in a wide range of fields.



**STOCKING THE CUPBOARD** — Deanna Allee (l.), who is office chairman for the Navy Relief Society, and Jeanne Davis, representing both the Women's Auxiliary of the Commissioned Officer's Mess (WACOM) and the Navy Relief Society, unpack some of the staple foods purchased for the Navy Relief cupboard using a \$200 donation from the Thrift Shop, which is sponsored by WACOM. The food is available for Navy and Marine Corps families in case of an emergency such as a lost or delayed allotment check. — Photo by Ron Allen

### 9th annual Christmas parade to be held tomorrow in Ridgecrest

"Christmas at Home" is the theme of the ninth annual Christmas parade, which will be held tomorrow afternoon, starting at 2 o'clock, in Ridgecrest.

More than 20 floats, three school bands and a number of equestrian and miscellaneous entries will take part in the procession, which will be led by Jeremy Jackson, 7-year-old muscular dystrophy poster boy from Kernville, as grand marshal.

The parade is to be lined up along Drummond Dr., between Norma St. and N. China Lake Blvd., and pre-judging of the floats will take place between 12 noon and the start of the parade at 2 p.m., Mike Molner, the parade chairman, reported.

Route of the parade will be south on China Lake Blvd. to Ridgecrest Blvd., and west on Ridgecrest Blvd., to S. Warner St. The parade will disband at the Ridgecrest Park.

Wardna Abernathy, the parade founder, will come here from her retirement home in Anderson, Calif., to watch the parade and

award trophies to first and second place winners in the various categories of parade competition. There also will be ribbons for third place entrants.

Presentation of the trophies and ribbons is scheduled at 4:30 p.m. at Ridgecrest Park.

Among marching units entered in the parade will be the Naval Weapons Center Sea Cadet Squadron and the American Legion color guard from Lone Pine. A musical beat for the marchers will be provided by the Burroughs High, Murray and Monroe Junior High School bands, and the Bureau of Land Management will enter a Smokey the Bear float.

Public address system announcers stationed along the parade route will be Dr. Larry Stevens, Dr. Jim Henry and Jim Rieger.

### Christmas concert scheduled by high school musicians

The annual Christmas concert by Burroughs High School instrumental groups will be presented on Tuesday at 7:30 p.m. in the Burroughs High School lecture center. Admission is by a \$1 donation.

Featured musical groups will be the concert band and symphonic band, directed by Don Wilkinson, and the string orchestra and symphonic orchestra, under the direction of Mrs. Deanna Rolph.

Band selections will include "Christmas Joy," "Let It Snow! Let It Snow! Let It Snow!," "Adagio for Winds," and "A Christmas Festival."

Among orchestral numbers to be played are "Sleigh Ride," "Five Carols for Christmas," "Arioso," and the Christmas Concerto by Corelli.

Solists in the Corelli work are Pam Easley, playing first solo violin; Heather Dolph, playing second solo violin; Mrs. Rolph, solo violincello; and Kathy Sipple, harpsichord.

### AFGE Local 1781 to hold monthly meeting Monday

The next monthly meeting of Local 1781 of the American Federation of Government Employees will be held on Monday, starting at 7 p.m., at 65-B Halsey Ave., China Lake.

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



**Commissioned Officers' Mess**  
Dance to "Disco" tonight at the Commissioned Officers' Mess from 7:30 p.m. to 11:30 p.m.

The COM will be closed on Saturday for a private Christmas party, but there will be limited dinner and bar service in the casual bar from 6 to 9 p.m.

Special dining events next week include seafood night on Tuesday from 6 to 9 p.m., and Membership Night on Friday, Dec. 15.

The menu for Membership Night includes breast of chicken, tossed salad, baked potato, green vegetable, and coffee or tea. Dinner will be served from 6:30 to 9 p.m.

Performing on Membership Night for the listening and dancing pleasure of COM members and guests from 9 to 1 a.m. will be the "Shanghai" group playing music from the '50s, '60s, and '70s. Price for this evening of dining and dancing will be \$3 for members and their spouses, and \$4 for guests.

Reservations are now being taken for the New Year's Eve Party at the Commissioned Officer's Mess. The price of \$12.50 per person includes dinner, dancing to the "Sounds of Country," hats, noisemakers, party favors, and the party will be topped off by a New Year's Eve breakfast.

The menu includes a tossed green salad, roast prime rib of beef au jus, baked potato, broccoli, dinner rolls, coffee or tea.

Dinner will be served from 7 to 9 p.m., dancing will follow from 9 to 1 a.m. and breakfast is planned from 1 a.m. to 2:30 a.m. Reservations can be made by calling 446-2549.

#### CPO Club

Tickets are now on sale at the Chief Petty Officers' Club for the annual New Year's Eve Party. The ticket price of \$20 per couple includes a prime rib dinner with wine, hats, noisemakers, and party favors.

"The Coconut Grove", a contemporary music group) will be performing for the dancing and listening pleasure of party goers.

The party will begin at 6 p.m. and dinner will be served at 7.

#### Enlisted Mess

A sea food plate with lobster will be the fare tonight at the Enlisted Mess, while in the ballroom a Christmas party for the Supply Department will start at 6 p.m.

On Saturday night, VX-5 will hold its Christmas party starting at 6:30 p.m.

### Special Services to sponsor disco dance for local students

The Special Services Division will sponsor a disco dance for junior high and high school students on Friday, Dec. 22, from 8 p.m. to midnight at the Community Center.

Music will be provided by the "Blue Jeans," a popular local area disco group. Trophies will be awarded to the best female and best male disco dancers, and there also will be a best couple award.

Admission charges are \$2 for singles and \$3 per couple. Casual dress is required. The dance is open to all junior high and high school students in the Indian Wells Valley.

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Form with fields for 'From:', 'PLACE STAMP HERE', and 'To:'.

### Public hearing slated on

## Navy's Coso geothermal development environmental impact

The Naval Weapons Center will conduct a public hearing concerning a Draft Environmental Impact Statement (DEIS) prepared for the Navy's Coso Geothermal Development Program.

The hearing is scheduled at 7 p.m. on Dec. 21 in the Burroughs High School lecture center.

The DEIS was prepared by the NWC Public Works Department and was submitted and filed with the Environmental Protection Agency (EPA) on Nov. 24. It was published in the Nov. 27, 1978, Federal Register. The DEIS evaluates the potential broad scope environmental impacts that could result from development of

geothermal resources on Navy fee-acquired land at NWC by contract with private industry.

Copies of the DEIS have been furnished to various federal, state and local agencies, conservation groups and other interested private parties. The DEIS may be reviewed at the Environmental Protection Agency, Room 537 West Tower, Waterside Mall, Washington, D. C.; in the Ridgecrest branch of the Kern County Library, the Bishop branch of the Inyo County Library; at Beale Memorial Library in Bakersfield; and in the main office building of the NWC Public Works Department.

The proposed action is the award of a

contract to develop geothermal energy resources on Navy fee-acquired land as a secure, self-sufficient energy alternative to the conventional electricity supply at NWC. The development program will be subject to well defined constraints that are designed to allow development of the geothermal resource without degrading NWC's national defense mission.

The major environmental issue is the potential alteration of the character of Coso Hot Springs, a National Register of Historic Places site, by either surface development impacts or by extraction of geothermal fluids. The alteration of hot spring activity is a controversial issue

according to Native Americans who attribute spiritual and medicinal values to Coso Hot Springs.

Other impacts will result from the ground disturbance that will accompany geothermal development in the relatively undisturbed environment on Navy fee-acquired land. These include increased erosion, loss of productive soil, biotic habitat losses and possible impacts to locally significant faunal species.

Short-term human population fluctuations produced by geothermal development will place demand on the limited services and housing facilities currently available in this area. (Continued on Page 3)



Naval Weapons Center  
China Lake  
California

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## New timing system being installed as part of NWC range modernization program

By Mickey Strang

Clockwatching is a definite virtue in the Range Department at the Naval Weapons Center.

That's because a range timing system determines how effectively data gathered from tests made at the ranges can be cross-correlated and how efficiently such data can be used to analyze the performance of a weapons system.

The data gathered from range instruments — mainly cameras, radars, and telemetry equipment — are synchronized in time to enable total data recovery.

#### Part of Modernization Program

To meet the expanding requirements of weapons testing, a new range timing system is being installed as part of the range modernization program.

The new system of disseminating timing signals operates in the ultra-high frequency (UHF) range of 300 to 3,000 megahertz, a range chosen because a broad bandwidth was needed for the quantity of different operations on the Center requiring various timing signals. The higher the frequency sought, the more bandwidth available.

NWC is a member of the Range Commanders Council (RCC) which establishes common criteria and standards for range instrumentation. The Center has chosen timing signals (codes) compatible with RCC standards to facilitate the exchange of test data between ranges. Due to increases in the medium-range missile systems, several Department of Defense range installations may be used to support and acquire data from a single flight test.

#### Four Time Codes Selected

The UHF frequencies (1780 MHz and 1792 MHz) selected by NWC are unique to the Center. Four time codes were selected to serve the variety of NWC test ranges and activities. Most of the RCC ranges use only one time code.

The RCC time codes are generated by time code generators. The codes vary in form, some better for use on tape, some for film, and some for digital use.

Since a high degree of accuracy is needed for accurate data correlation, the heart of NWC's system is a cesium-beam atomic oscillator used as a primary standard of frequency maintained through atomic resonance. This atomic "clock" is so ac-

curate that it loses about one second every 40,000 years.

The "clock" is set by checking the time of day with reference to signals transmitted by the National Bureau of Standards via a weather satellite. The satellite is geosynchronous; it remains above one spot on the earth's surface rather than orbiting. The time reference is universal time coordinated (UTC). UTC is a world-wide reference time, with Greenwich, England, being the basic reference point for this time.

(Continued on Page 3)

## Navy's Air Traffic Controllman of '78 to be honored

Chief Air Controllman Robert Rodriguez, the control tower chief at Armitage Field, will be the center of attraction at morning quarters next Thursday, Dec. 14, at 7:30 o'clock at the air field.

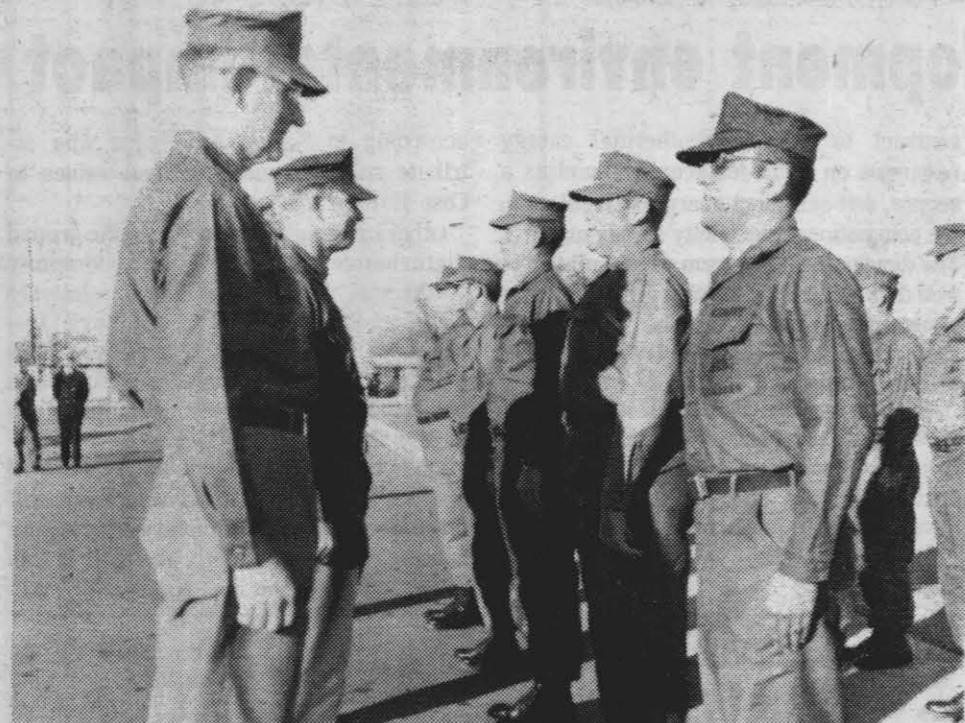
During a ceremony that will be attended by some 150 officers and enlisted personnel who are assigned to the Naval Weapons Center's Aircraft Department, Capt. F. H. M. Kinley, NWC Vice Commander, will read a message from Secretary of the Navy commending ACC Rodriguez for being chosen as the 1978 winner of the Vice Admiral Robert R. Pirie Air Traffic Controller of the Year Award.

The presentation of a replica of this award to ACC Rodriguez also will highlight a luncheon on Dec. 14 at the Chief Petty Officers' Club. A representative of the A. I. L. Cutler-Hammer Corp., sponsor of the Air Traffic Controller of the Year Award, will be here to make the presentation to Rodriguez, whose name also will be engraved on the permanent trophy which is kept on display at the Navy's Air Traffic Controllman School in Memphis, Tenn.

All Centerites are invited to attend the luncheon honoring the 1978 Air Traffic Controllman of the Year. Reservations are due no later than Monday and can be made by calling FTCS David Vander Houwen, Senior Chief Petty Officer of the Command at NWC ext. 3314, or AFMCM J. W. Hendry, NWC Leading Chief, at NWC ext. 5477.

On the menu will be the choice of either a steak sandwich (\$3) or the chef's salad (\$2).

MOVIES section listing movies like 'War of the Planets', 'Project Kill', 'Bronson Lee Champion', 'Forever Young, Forever Free', 'Dan Candy's Law', 'Ransom Money', and 'Grease' with showtimes and ratings.



ANNUAL INSPECTION HELD — Lcdr. R. L. Biggers, Jr., USNR-R, Executive Officer of Reserve Mobile Construction Battalion 17, traveled here recently with a team from Bakersfield to conduct the annual inspection of China Lake Detachment No. 0217 of RMCB 17. Shown with Lcdr. Biggers (second from left) is CMCS Phil Nelson (in foreground), officer-in-charge of the local Seabee Reserve unit. The Seabee Reservists in the front rank of this group being inspected are (from left) BU2 Robert Burkhardt, CE1 Robert Preul, CE2 Marvin Windsor, CE2 William Hickok, and EACN Johnny Lopez. — Photo by CM2 Jerry Morrison

### Seabee Reserve unit earns rating of 'outstanding' at annual inspection

An overall grade of "outstanding" was received recently during the annual inspection of China Lake Detachment No. 0217 of Reserve Mobile Construction Battalion 17.

Duties of inspecting officer were handled by Lcdr. R. L. Biggers, Jr., USNR-R, who is the Executive Officer of RMCB 17 in Bakersfield.

Lcdr. Biggers was greeted upon his arrival here by CMCS Phillip Nelson, officer-in-charge of China Lake Unit No. 0217.

The Executive Officer of RMCB 17 is a resident of Lakeside, Calif., and is employed as a staff structural engineer with the consulting engineer firm of Atkinson, Johnson and Spurrier, Inc.

He joined the Naval Reserve following four years (1965-69) of active duty in the Navy. For the past eight years, he has been an officer in the Naval Reserve, beginning with a three year tour as a member of RMCB 17 from 1969 to 1972.

He also has served as a staff civil engineer with a Naval Reserve amphibious unit based in Coronado, Calif., and, prior to taking over his present Naval Reserve duties, was the plans and training officer for the 1st Reserve Naval Construction Regiment.

Lcdr. Biggers, a registered civil and structural engineer in California, is a graduate of North Carolina State University, where he received a BS degree in civil engineering. He also has a master's degree in civil engineering that he earned in 1973 from San Diego State University.

The Seabee Reserve inspection team headed by Lcdr. Biggers was composed of the following members of RMCB 17: Lt. G. W. Stoner, CW03 C. M. Price, UTCM C. M.

Fulghum, Marine GySgt. D. R. Cummins, and HMC J. G. Sadioukose.

The inspection covered all aspects of the local Seabee Reserve program, ranging from unit organization and military training to the keeping of personnel and medical records.

Lcdr. Biggers also conducted an inspection of the NWC Sea Cadet Squadron. Some of the Sea Cadets had received their green Seabee uniforms just prior to the inspection.

### G.E.D. tests will be given at Cerro Coso College Mon., Tues

General Educational Development (G. E. D.) tests will be administered at Cerro Coso Community College on Monday and Tuesday morning. The tests take 7 hours to complete; they will be given from 8 a.m. until 12 on Monday, and from 8 until 11 a.m. on Tuesday.

Those who successfully complete the G.E.D. tests may apply for a California state certificate of equivalency indicating an educational achievement at the high school level.

Educational areas covered by the tests include writing skill, reading skills, mathematics, social studies and science.

To be eligible to take the G.E.D. tests an individual must be at least 18 years of age and not currently enrolled in high school. A fee of \$7.50 is charged to cover expenses for monitoring and scoring the tests.

Those wishing to make a reservation for the tests or obtain further information should telephone the Cerro Coso counseling center, 375-5001, ext. 34.

## 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 094 or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WO, WL and WS positions are defined in CSC Handbook X-118C.

Transportation Loss Examiner, GS-2135-7, PD No. 7825097N, Code 2922 — This position is located in the Inspection Section, Receiving Operations Branch, Material Division of the Supply Department. The purpose of this position is to provide claims service for loss and damage to personal property program shipments, discrepancies, shortages, packing and damage to government shipments; to maintain active and complete GBL files and follow up on overdue shipments; and to perform the related documentation requirements. Job Relevant Criteria: Knowledge of freight loss and damage claims procedures; knowledge of freight shipment and receipt documents; ability to deal effectively with a wide variety of people; knowledge of methods of packing and crating. Contract Administrator, GS-1102-7, PD No. 7825037N, Code 3141 — This position is located in the Contract Administration Branch, Procurement Division, Supply Department. The incumbent will perform contract administration duties for service and support contracts (including contract modification, establishment and monitoring of suspense dates, follow-up on delay delivery, default action, contract termination and processing scope changes); prepare and disseminate task orders, work assignments and orders; and perform contract modification and/or supplemental agreements. Incumbent is an ordering officer for multi-year contracts. Job Relevant Criteria: Knowledge of Armed Services procurement regulations and of preparation of procurement requests; ability to deal effectively with a wide variety of people and to communicate effectively both orally and in writing. Promotion potential to GS-11. Woodworker, WG-4484-5, JD No. 459, Code 2591. This position is located in the Traffic Branch, Material Division, Supply Department. The incumbent will build wooden containers and cardboard cartons and assist senior woodworkers in construction of larger crates, in packing, blocking and bracing. Job Relevant Criteria: Technical skills; ability to read, interpret and apply instructions, specifications, blueprints; ability to do measurement and layout work; ability to select and use the proper tools and equipment; ability to select the proper materials; ability to do the work of a woodworker. Promotional potential: Career progression WG-5/7/8. File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 3271.

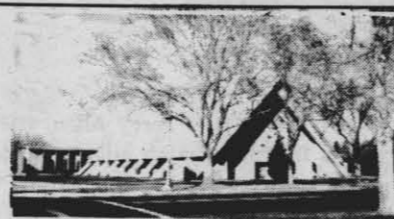
Supervisory Research Physicist, GS-1310-15, PD No. 7830022E, Code 381 — This position is head of the Physics Division, Research Department. The incumbent is responsible for planning, directing and controlling research in the Physics Division. He establishes work priorities, distribution of research effort, development and utilization of research facilities, and the organization, selection, development and utilization of scientific personnel. He determines the feasibility of initiating new programs and integrates these with current research. The incumbent conducts original research, either individually or through the direct supervision of members of the division. His work is expected to lead into areas as yet unexplored; knowledge of more than one area of physics is required in order to synthesize new research approaches. The incumbent is required to be knowledgeable of Center and Navy development programs, long range Navy plans and strategies and to relate physics research programs to perceived future Navy technological requirements. He advises all levels of Center management on the solution of problems in weapons development relating to physical phenomena and materials in his area(s) of expertise. He represents the Center on DoD, national/international panels and committees within the physics community and in program areas of current Physics Division involvement. Job Relevant Criteria: Demonstrated ability to supervise scientific personnel; demonstrated ability to manage scientific research programs; demonstrated ability to

interface research efforts with development efforts; significant research experience in the electronic structure of solids, thin film and surface physics, physical quantum and advanced optics, semiconductor physics, or RF and microwave physics; familiarity with DoD and Navy Research programs and policies; demonstrated understanding of basic research problems of Navy weaponry; PhD or equivalent in one of the physical or engineering sciences.

Electronics Engineer, GS-855-7/9/11, PD No. 7831146, Code 3141 — This position is located in the Guidance and Navigation Systems Branch, Avionics Division, Systems Development Department. Incumbent designs and fabricates special instrumentation for testing laser gyros and other inertial components, conducts tests, assesses data, and writes test reports. Plans and schedules common test and makes technical presentations on test results. Advises project engineers on inertial component quality and suitability for potential applications. Job Relevant Criteria: Knowledge of digital and analog electronics design, knowledge of FORTRAN programming language for ATE and data assessment programs; ability to troubleshoot instrumentation and test setups; ability to communicate orally and in writing.

Interdisciplinary Aerospace/Electronics/Mechanical Engineer/Physicist, GS-861/830/855/1310-12, PD No. 7831161 Code 3141 — This position is located in the Guidance and Navigation Systems Branch, Avionics Division, Systems Development Department. Incumbent is the project manager of the Advanced Technology Demonstration/Laser Gyro Project. The incumbent plans and conducts the triservice, critical item advanced development of laser gyros, including supervising the project technical staff, communicating with the NWC chain of command, the NAVAIR sponsor, and potential triservice users, determining manpower, funding, and other resource needs, and ensuring that project output meets administrative and technical goals. Job Relevant Criteria: Experience in managing technical personnel and multiple contracts; knowledge of gyro applications in weapons systems; ability to communicate effectively orally and in writing; ability to work effectively with civilian and military personnel throughout DoD. Previous applicants need not be reapplying.

Physicist, GS-1310-15, Code 3822 PD No. 7830045 — The function of this position is to provide a variety of technical services to research chemists of the branch. The work involves the operation of apparatus as well as chemical preparation and physical measurements related to special needs of the programs. The incumbent calculates molecular weights, prepares solution, calculates and makes dilutions, and measures spectral optical densities on a spectrometer. Job Relevant Criteria: Must be familiar with procedures involved in utilizing the inert atmosphere box; must be able to operate a variety of spectrometers, light measuring devices, recorders, and specialized electrical measuring equipment; must be capable of carrying out general laboratory procedures such as weighing accurately on balances, pipetting, and using the vacuum system. File applications for the above with Pat Gaunt Bldg. 34, (Continued on Page 7)



### 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 0830-1130  
Nursery, Chapel Annex 1 0815-1245  
Daily except Saturday, 1135, Blessed Sacrament Chapel

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

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

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

### New books listed at NWC library

A complete list of new books is available in the NWC library. Library hours are 12 noon to 9 p.m., seven days a week (excluding holidays).

Centerites are reminded that all employees or military personnel, regardless of their place of residence, are welcome to use the NWC library.

#### FICTION

Heinrich Boll — And Never Said a Word.  
Kent Hayes — Broken Promise.  
William J. Lederer — The Deceptive American.  
Tom Murphy — Ballet!  
Ellery Queen — Napoleon's Mystery.  
Clifford D. Simak — Mastodonia.

#### NON-FICTION

Christ Anastasoff — The Bulgarians; From Their Arrival in the Balkans to Modern Times.  
Peter G. Brown — Food Policy.  
Peter A. Kinkinson — Sunbelt Retirement; Retiring in the South and Western U.S.  
Lydia Dotto — The Ozone War.  
Geoff Hewitt — Working for Yourself.  
Tyler Whittle — The Last Kaiser; Biography of Wilhelm II.

### Youth soccer team from China Lake loses to Bishop

A China Lake Soccer Club youth team, composed of youngsters 13 years of age, was shut out, 3-0, in a game played last Sunday at Bishop.

The local youths found themselves competing against a team composed of players who were not only somewhat older but also bigger physically than they are, but nevertheless managed to limit their opponents to a single goal and a 1-0 lead throughout most of the game.

In the last few minutes of the contest, however, the host team broke through the China Lake team's defense and scored twice to win by a final margin of 3-0.

Earlier in the game, the China Lakers demonstrated their ability to control the ball and moved into close scoring range, only to be denied scores by topnotch efforts on the part of two goalkeepers for the Bishop team who saved almost certain scores by locals John Fry and Robbie Lloyd.

In addition to Fry and Lloyd, other players who made up the China Lake youth team were John Auger, the goalie; Mike Jimney, Bobby Bruce and Tommy Legg, forwards; Todd Hintz, Todd Killilea and Paul Weimholt, midfield players; and defenders Jim Loundagin, Kirk Catey, Paul Wydra, Carla Everitt and Danny Dye.

### Burros win . . .

(Continued from Page 6)

the Burros pulled ahead by outscoring their opponents 19-13 to grab a hard-fought, 67-62 victory.

Each team hit on 21 field goals, so the difference in the final score boiled down to the 5-point advantage which the Burros chalked up at the free throw line.

The Burros not only won the game, but also the battle for rebounds off the backboard (45-28) even though they were up against a team with an overall height advantage. Coach Bird pointed out. Forward Mike Wirtz, a 6-footer, led the locals in rebounds with 16 and also was sharp at the free throw line with 8 charity tosses.

The game's high point man was Motte of Burroughs with 19. Other local varsity cagers who ended up in the double figure scoring column were Wirtz (15), Ron Garrett (12) and Richie Drake (10).

The East High Blades were led in the scoring department by Herman Deans, a 6 ft., 7 in. center, who tallied 18. Other top scorers for the Blades were Marty Tolbert (14), and Frank Juarez and Scott Smith (11 points each).

### Intramural League . . .

(Continued from Page 6)

in their team's win over the Low Doze.

Delayed until Monday night, Ron Napierla with 20, and Alfred Artz, who chipped in 11, scored nearly as many points between them as the 37-point total for T.P.Q. Top scorer for the T.P.Q. team was A. C. Chesney, who tallied 13.

Two Division C games were played last week in which the Gas Bags put the skids under the Floor Burners, 50-24, and The Visitors deflated the Gas Bags, 38-28.

Scott O'Neill's 15 points were tops for the Gas Bags in their win over the Floor Burners, while Greg Such, with 13 points, was the high point man in the victory by the Visitors over the Gas Bags.

### Signups end tomorrow for youth basketball program

Tomorrow is the last day for young people 7½ years of age through seniors in high school to register for the upcoming youth basketball program offered by the NWC Special Services Division.

All prospective participants in the youth basketball program must obtain a Youth Center membership (\$6 per year), and there is an additional charge of \$8.50 for taking part in the basketball competition.

## employee in the spotlight

By Mickey Strang

"When I first started running two years ago," says Dr. Alex Shlanta, head of the Systems Environmental Effects Branch of the Systems Development Department, "I thought I was going to die. But now I'm never sick, my resting pulse rate is down to 42 beats a minute, I don't need as much sleep, and I feel great."

Running has even changed his eating pattern. "I find that I want to eat more fruits and vegetables and grains, and much less meat," says Alex. "As a result, I've lost about 25 pounds in the two years that I've been running. Actually, running makes me feel like a kid again. It's addicting."

Besides running in Over-the-Hill Track Club events, Alex runs five days a week on the Center (only 4 or 5 miles a day, says he), and then on weekends he runs to Inyokern and back. The long run is to help keep him in shape for marathons.

"The first marathon I entered was at Mission Bay in San Diego," Alex says. "I came in 1071st and I felt that I was a winner!"

Alex has a wide range of interests in addition to his running. For instance he likes motorcycling (but just to enjoy the scenery), and also collects stamps—"a poor man's way of collecting antiques"—according to him.

"I believe in living a balanced life, as full a life as time permits," he feels.

A rich part of this balanced life is reflected by his interest in and involvement with music. As a youngster in his home town of El Paso, Tex., Alex was good enough on the clarinet to play solo clarinet in the all-state high school orchestra. He still plays clarinet as a member of the Desert Community Orchestra in the Indian Wells Valley, and enjoys it as much as when he was a teen-ager.

When he graduated from Austin High School in El Paso, Alex wasn't sure that music was what he wanted to do with his life professionally (despite offers of music scholarships from seven different colleges), so he joined the Marine Corps.

### Boot camp best training for PhD.

"Actually," says he, "my Marine Corps boot camp training was the best training in the world to prepare me for the final stages of getting my PhD. degree in physics. In boot camp you need to last through the punishment and abuse and still be able to keep on going. Lasting through school to an advanced degree

Alex Shlanta



"I came in 1071st and felt that I was a winner!"

is very much like boot camp. Sheer survival transcends intelligence."

Midway through the four years he spent in the Marine Corps, Alex decided that going back to school when he got out of the service was the thing to do. When he returned to El Paso from his overseas duty station in Okinawa, he enrolled in the University of Texas at El Paso. He studied mathematics on the advice of his uncle, a psychologist, who had determined through testing that Alex had a high aptitude for science. While completing his math major, he became interested in physics.

After work both in industry and as a college teacher, he followed this interest in physics to a PhD. degree in atmospheric physics at the New Mexico Institute of Mining and Technology. He also received a Presidential Intern Appointment for post-doctoral study at the National Oceanic and Atmospheric Administration in Boulder, Colo.

### Career interests pulled together

"Coming to the Center in 1973 helped me to pull all of my career interests together," says Alex. "After helping direct air strikes in the Marines I became interested in not only physics but atmospheric physics, and now I am working with the effects of the atmosphere on the performance of tactical weapon systems."

According to him, each weapon system has unique problems with respect to the atmosphere. These systems must be tested and examined in a real world environment involving pollutants, refraction effects, weather, and other conditions that don't appear in the sterile conditions of a laboratory.

Atmospheric effects aren't all negative, says Alex. Understanding how weather can effect a weapon system can be used to a tactical advantage.

"This work has a triservice interface; it's been fascinating to me and I hope equally so for the other people in my branch," he adds.

With an interesting job, his running, and his other hobbies, Alex finds his days full.

"If you organize your life you can accomplish a lot of things. You must make activity your recreation rather than inactivity," Alex maintains.

Obviously, he has done so.

### China Lake Soccer Club's adult team to hit road on Sunday for rematch with squad from Lancaster

The China Lake Soccer Club's adult team will travel to Lancaster on Sunday for a rematch at 11 a.m. with the Lancaster United team which defeated the locals here, 4-1, recently in the first adult soccer contest of the current season.

In preparation for Sunday's game, the China Lakers traveled to Bishop last Sunday and picked up a not-too-difficult win by a final score of 5-1.

Marv Goodman, center forward for the China Lake team, was the game's leading scorer with 3 goals in the contest at Bishop, while Guy Kinley booted in 2 goals from his left midfield position.

Other players who made up the traveling team that won handily at Bishop were goalie Greg Cote, defensive players Ross Heimdahl, Ross Miller and John Piri, forwards Karl Kauffman and Karl Men's Golf Club elects new slate of officers

New officers of the China Lake Men's Golf Club were elected during a meeting held last Saturday morning at the golf course clubhouse.

Robert Zimmer, the new president, will be supported in carrying out the duties of his office by Phil Sprankle, vice president; Earle Roby, secretary; Ed Nelson, treasurer, and one new board member — Bob Hooper.

Next activity on the schedule of Men's Golf Club events will be a tournament on Saturday, Dec. 16. There is an entry fee of \$3 per golfer, and the low net score among each foursome will win a ham.

Kraeutle, and midfield players Mark Burmeister and Steve Lee.

In addition to this Sunday's game in Lancaster, the China Lake Soccer Club's adult team will host a team from Edwards Air Force Base here at Davidove Field at 1 p.m. on Sunday, Dec. 17.

After the holidays, it is expected that plans will be completed to organize the High Desert Soccer League composed of teams from China Lake, Edwards, George AFB, Little Rock, Palmdale and possibly Saugus.

### Award program to climax Youth Center '78 soccer season

All participants in the Youth Center Soccer League's fall season of competition are urged to make plans to attend an awards presentation program that will be held on Saturday, Dec. 16, starting at 2 p.m. at the Community Center.

The program is open to all interested youngsters, whether or not they are members of a Youth Center Soccer League team, since films will be shown and a proposal for the spring season of soccer competition will be presented.

Tomorrow's schedule of Youth Center Soccer League games at Davidove Field is as follows:

Tornadoes vs. Whitecaps, 8:30 a.m.; Sting vs. Strikers, 10 a.m.; Lancers vs. Timbers, 11 a.m.; Express vs. Sockers, 12 noon, and Rowdies vs. Earthquakes, 1 p.m.

(Continued from Page 2)

Rm. 212, Ph. 2514.  
Interdisciplinary-Electronics Engineer / Physicist, GS-855/1310 9/11/12, PD No. 7831182, Code 3522 — This position is in the RF Development Division, Advanced Technology Branch, Electronics Warfare Department. A major portion of the branch effort is concerned with advancing the state-of-the-art of broadband radar absorbing materials and of broadband direction-finding systems. The position supports the development of all-weather standoff missile guidance involving synthetic aperture radar (SAR) carried by Naval aircraft. The incumbent serves as one of the primary staff in an evolving technology project to determine how best to use the capabilities of a SAR, and subsequently to demonstrate the feasibility through captive and freelight testing; works out basic designs for missile guidance components to make it receptive to accurate control by a remote SAR; analyzes system errors to determine and to improve guidance accuracy; participates in technical reviews and evaluation of SAR equipment. Job Relevant Criteria: Background in missile guidance and related avionics systems; knowledge of analog and digital circuit design techniques.

File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 208, Ph. 3118.

Administrative Officer, GS-341-7/9/11, PD No. 7946001, Code 845 — The incumbent is responsible for the administrative services of the Parachute Systems Department, consisting of planning, resource allocation, and policy implementation. Working with the department head, the incumbent will identify personnel, financial and material needs of the department, and is the lead manager for the administrative operations of the department. To accomplish these tasks, the incumbent interfaces with organizations such as Office of Finance and Management, Long Range Planning Office, Personnel Office, etc. The parachute RDT&E mission now accomplished by the National Parachute Test Range (NPTR) El Centro is slated to be functionally transferred to NWC in the near future (approx. 2/79 to 6/79). Upon this completed action, the subject position will be administratively transferred to the Parachute Systems Department. Until such time this position will be organizationally located in the NPTR Relocation Office (065). The incumbent will take TDY assignments to NPTR El Centro. Job Relevant Criteria: Ability to communicate effectively both orally and in writing; knowledge of civilian personnel policies and procedures; knowledge of administrative procedures; knowledge of Navy budget formulation and administration. Previous applicants will be automatically considered.

File applications for the above with Jan Nieberlein, Bldg. 34, Rm. 204, Ph. 2577.

## The Rocketeer

Official Weekly Publication  
Naval Weapons Center  
China Lake, California

Rear Admiral William L. Harris  
NWC Commander

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Technical Director

Dr. Robert H. Pearson  
Head,

Technical Information Department

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Editor

Mickey Strang  
Associate Editor (Acting)

Ron Aller  
Staff Photographer



DEADLINES  
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 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



Recreation Roundup

Basketball free throw shooting contest planned

A basketball free throw shooting contest for youngsters 8 through 13 years of age will be held on Saturday, Dec. 16, at the Naval Weapons Center gym.

Entrants in this contest, which is co-sponsored by the NWC Special Services Division and the Ridgecrest Elks Lodge, will be placed in one of three groups according to their age, and separate times have been established for those in each age group to compete.

The competition between 8 and 9 year olds will begin at 9 a.m. on Dec. 16, while youths 10 and 11 years of age will test their skill starting at 11 a.m.

Division three of this contest, for youths 12 and 13 years old, will get under way at 1 p.m.

For further information, call Carol Hape at NWC ext. 3097 or Al Pena at 375-8551.

Women's Exercise Class

A private room at the Naval Weapons Center gym has been set aside for women's exercise classes that are being held on Mondays, from 6 to 7 p.m.

These classes are being followed by exclusive use of the weight room and racketball courts at the gym by women from 7 to 8 p.m. on Mondays.

A new fee schedule for this program will go into effect on Monday. Participants can pay either a quarterly fee of \$6 to cover the period from Jan. 1 through March 31, or elect to pay a charge of \$1 each time they attend the women's exercise class.

Local girl gymnast accomplishes two season-long goals

Accomplishment of her two gymnastics goals for the season left DeAnne Wilson, a member of the High Desert Tumbleweeds, extremely pleased with the results of last Sunday's state finals for Class III gymnasts.

The only member of the Ridgecrest team competing in these U.S. Gymnastics Federation finals, Miss Wilson achieved her season-long goal of a 32 score all-around by coming in with a 32.5. Her other goal, "joining the 8.5 club," was gained when she scored an 8.6 on the vaulting horse.

Other scores for the Burroughs High School senior were 7.45 on the balance beam, 8.2 in floor exercise, and 8.25 on the uneven parallel bars.

Last Sunday's gym meet, held in Torrance, marked the end of the Class III competitive season, but members of Ridgecrest's Class II gym team will be entered in a pre-season meet tomorrow, and will then travel to Yorba Linda for the Class II zone preliminaries on Dec. 16 and 17.

Other activities of the City of Ridgecrest's gymnastics program include special demonstrations by participants in the developmental program which offer the opportunity for parents to observe their children's progress, and for would-be gymnasts and their parents to see the types of activities that are covered in this program.

Two such events are scheduled at Joshua Hall on the Desert Empire Fairgrounds. The first will be held at 4:30 p.m. on Monday, and the second at the same time and place on Wednesday, Dec. 13.

Burros varsity cagers defeat two Bakersfield teams

If their first two games are any indication, the Burroughs High School varsity cagers are headed for a much better-than-average record during the 1978-79 season.

Taking on two teams that year in and year out are among the best in Kern County, the Burros blunted the East Bakersfield High Blades 67-62 in a game played last Friday night in Bakersfield. On their home floor Tuesday night, the Burros refused to be taken in all of the pre-game hoopla about their counterparts from Bakersfield High School and sunk the Drillers 73-67.

This weekend, the BHS varsity squad is

competing in a tournament at San Luis Obispo which began yesterday and will continue through tomorrow. Next home appearance for the Burros will be on Tuesday night when they will host North High of Bakersfield. Tip-off time for the varsity clash is 6:30 p.m.

Starting off with the same fast pace that proved important in their Friday night win at East Bakersfield, the Burros began Tuesday night's tilt by rattling the hoop for 7 unanswered points and built up an 18-5 first quarter lead before the Drillers started to hit the basket with any consistency.



BATTLE FOR BALL — The Burros (dark uniforms) had the better of it in this battle for the ball during Tuesday night's varsity game against Bakersfield High. Mike Wirtz (24) and Kevin Kummerman (42) of Burroughs clearly have the edge over a barely visible player for the Bakersfield team in this skirmish. The Burros delighted themselves and their fans with a 73-67 win over the visitors from the big city. —Photo by Ron Allen

China Lake Intramural Basketball League play now in full swing; results reported

In a high scoring contest played on Tuesday night of last week, the Pride, an all-military team, increased its lead to two games over other hoopsters vying in Division A of the China Lake Intramural Basketball League.

The Pride built up a 46-39 halftime lead over the Time Out quintet, and then drew away steadily to win by a final score of 84-72. Top scorer for the victors was Ron Johnson, who tallied 29 points.

Others who played a significant role in the 84-72 win by The Pride over the Time Out cagers were Connie Reeder, who scored 20, and Tony Bolden, who chipped in 14. Tim Cornelius, center for the Time Out squad,

'Prediction' race scheduled Dec. 16 by Over-Hill Track Club

A "prediction" race for long distance runners will be held on Saturday, Dec. 16, by the Over-the-Hill Track Club.

In this event, which will cover a distance of 5 miles, the object is for the runners to forecast the time it will take them to complete the race, and then pace themselves accordingly.

Contestants are not allowed to carry watches or receive assistance from friends along the sidelines.

Registration for the race will begin at 9 a.m. and the race itself will get underway an hour later at the entrance to the Desert Empire Fairgrounds in Ridgecrest. From the entry fee of \$1 per person, the Over-the-Hill Track Club will provide trophies, plaques and medals to the winners of the first 20 places in this event.

All local runners and joggers are invited to challenge themselves to match their training pace in the heat of competition.

The visitors chiseled away at the early point spread built up by the home team and at the end of the first quarter trailed by the narrow margin of 21-19. As it turned out, however, that was as close as the Drillers were able to come to catching up with the Burros at any time in the game.

It was far from a shoo-in for the locals, however, since the visitors, who trailed 37-32 at the half, were able on three occasions in the third quarter to reduce the Burroughs lead to 3 points.

Leading 53-50 as the final period of play began, the Burros varsity hoopsters plunked in 20 points to 17 for the Drillers, and were able to leave the floor deliriously happy at the final buzzer with a 73-67 victory.

Game Plan Worked Well

The controlled fast break used by Coach Larry Bird's varsity squad worked well against the potent Drillers, who are led by James Nutt, a 6 ft., 4 in. forward, and Pat West, a 6 ft., 7 in. center.

Nutt, the only player to foul out of the game, got in foul trouble early, and ended up with a 15 point performance for the night, while West was held to 4 points. Top scorer for the visitors was Ray Oliver, a guard, who tallied 20.

High point man in the Burroughs vs. Bakersfield game was center Steve Motte with 24, while Mike Wirtz and Rob Tomaras aided with 15 and 13 points, respectively.

Other Burros who played a vital role in the local team's win were Richie Drake (8 points), and Ron Garrett and Jim Crider (7 points each). The latter came off the bench for a short time in the critical fourth quarter to pop in the 7 points that he scored during the game.

Burros Start Fast

Last Friday night in East Bakersfield, the Burros broke fast from the starting gate and built up an early 10-3 lead. The blades responded with a scoring surge of their own, however, and when Motte got into foul trouble (he had three infractions in the first 3 min. of play), the EB hoopsters were able to draw even with the Burros (16-16) by the end of the first quarter.

Numerous turnovers plagued the Burros varsity cagers in the first and second quarters. Fortunately, the East High hoopsters weren't having one of their better nights and were able to build up just a 4-point lead (36-32) by the halftime intermission.

In a game which still could have gone either way, the Burros outscored East High 16-13 in the third period and began the fourth and final quarter of play trailing 49-48. Then, in the final 8 min. of the contest, (Continued on Page 7)

NWC basketball team entered in Norton AFB tourney

A team representing the Naval Weapons Center was entered last weekend in an invitational basketball tournament held at Norton Air Force Base in San Bernardino.

The China Lakers, coached by Bob Bailey, edged the North Island Naval Air Station cagers, 73-72, in their first tourney tilt. Top scorers for the locals in this contest were Ron Johnson, a guard, who tallied 22, and Tim Cornelius, another guard, who chipped in 10. Connie Reeder led the NWC hoopsters in rebounding.

Advancing to the second round of the double elimination event, the NWC cagers were outscored 100-86 by the NAS Miramar basketball team, and subsequently were dropped from the tourney as the result of losing by a score of 106 to 89 by an Orange County team.

In addition to the NWC players already mentioned, others who played well in this first tourney of the 1978-79 season were Tony Bolden, a guard; J. W. Spells, a forward, Jim Carr, center, and Willie Thompson, a reserve guard or forward, who showed a lot of hustle when the China Lakers went into a full court press type of defense. (Continued on Page 7)

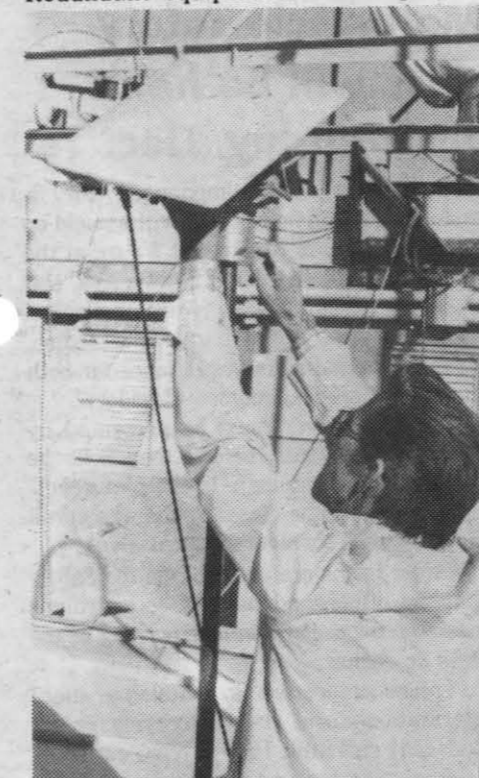
New range timing system . . .

(Continued from Page 1)

The NWC Range Department has a digitized satellite receiver that allows the time code generators to be set to an accuracy of plus or minus 20 microseconds relative to UTC. This accuracy can be maintained as long as there are no power failures.

To ensure that the system will not fail during any test operations, batteries are used in power packs that can keep the system going for 3½ to 4 hours; use of batteries also protects the system against power surges.

Personnel are always on hand to monitor the performance of the system, and to reset equipment if any sort of a failure occurs. Redundant equipments are employed,



TUNING IN — Joe Brown, an electronics technician and head of the timing operations section, adjusts the antenna which is aimed at the geosynchronous satellite located 22,000 miles up above the equator. There are actually two such satellites that transmit both time and weather data; the NWC satellite antenna can receive data from either of them.

a single timing system rather than the separate systems used in the past when each NWC range "did its own thing." Fewer personnel are also needed because the equipment is more sophisticated; however, the training required and the skill level of the personnel has increased in sophistication as well.

While test personnel stand by, much test range instrumentation equipment is turned on electronically by the timing system, especially in hazardous areas. "It's a little difficult to find volunteers who would remain in a spot where a missile is expected to impact just to handle cameras or other devices," says Allen.

"Seriously," he adds, "timing is central to the recording of any event, and turning on the appropriate equipment at the right time means that we can maximize coverage of a test."

Planning for the new timing system and the acquisition of the necessary equipment to accomplish the mission began on a high priority basis in 1973 and is now approximately 75 percent complete.

Expenditures for the whole timing system are expected to be approximately \$2,000,000, including purchase of the necessary receivers, terminals and transmitters to "keep all the clocks together."

Public hearing . . .

(Continued from Page 1)

rural portion of Inyo County. Adverse impacts to the local social and economic systems could occur if mitigation efforts are unsuccessful.

The closing date for comments on the DEIS is Jan. 8, 1979. Comments on the DEIS and inquiries concerning copies of the document should be directed to Capt. R. B. Wilson, Public Works Officer (Code 26), Naval Weapons Center, China Lake. Capt. Wilson will serve as the hearing officer at the Dec. 21 public hearing and can be contacted by calling (714) 939-2382.

Hearing participants will be required to submit in writing at the beginning of the hearing their intention to make a presentation. Oral comments at the hearing will be limited to 10 minutes and all lengthy or technical comments should be accompanied by a written submittal.

Large groups should select a single representative to state their concerns at the hearing.

according to Jerry Allen, a senior engineer in the Range Electronic Development Branch of the Range Department, to ensure that good data are always obtained.

Equipment for recording data must always be ready when the weapon system hardware is ready to be tested, regardless of weather, time of day, time of year, or cloud cover. "Like an ambulance or a fire truck," says Allen, "we must be ready to roll at any time. Part of our job is to stand by and take care of any problem that develops."

According to Allen, fewer personnel are required to provide the range timing function since the NWC ranges have established

Deadline extended to Friday, Dec. 22, for health plan changes

Due to a delay in the arrival of informational material about the various plans offered under the Federal Employees' Health Benefits Program, registration will be accepted through Friday, Dec. 22, for either joining a health plan or changing from one plan to another.

The brochures for the employee organization plans are not in, but as soon as they are received, they will be available upon request.

NWC employees who wish to enroll or make some other permissible change in coverage should contact their Code 09 personnel clerk.

Any changes that are made now will become effective the first pay period in January 1979.

Season's Greetings From The Commander

As we enter a busy holiday season, I would like to wish all of you a joyful Christmas and a promising New Year.

This is a time for men and women of many faiths to celebrate the blessings of family ties and the hope that the new year brings. The world's most fervent hope is expressed in the beautiful message of this season, that all men may live at peace. As members of the Navy family, you have made it your work to keep this hope alive. I would especially like to extend to each of you my appreciation for the spirit of cooperation and dedication to our mission that is evident in the work of both military and civilian employees of the Naval Weapons Center.

To those of you whose duties will keep you from sharing the holidays with your families, I offer a special word of thanks for your sacrifice and a wish that you will soon be reunited with your loved ones.

My warmest wishes to all of you for an enjoyable and safe holiday season.

W.I. Harris

Public Works taxi service to be resumed Monday morning

Beginning on Monday, the NWC Public Works Department once again will operate a taxi service that will provide transportation within all mainside areas of the Center, and also within the Ridgecrest city limits.

Taxi service can be requested by calling NWC ext. 2280. Dispatchers will be in radio contact with the taxi drivers, and the service has been organized to operate within a response time of not more than 10 minutes. Taxi drivers will wait no longer than 5 minutes to pick up passengers.

Sharing of rides and multiple passenger use is encouraged, and there will be designated taxi stands where NWC employees who are in need of transportation may wait.

Taxi service may not be obtained by hailing or commandeering a taxi, except at one of the designated taxi stands.

Taxis will be operated to and from Armitage Field, Thompson Laboratory, the Explosive Ordnance Disposal Office, Range Department headquarters, and the Ordnance Systems Department headquarters, as well as to and from other less distant

locations on Center.

Taxi service is not authorized for travel between an employee's residence and place of employment or to and from or between locations for the purpose of conducting personal business or engaging in other activities of a personal nature.

Taxi service may be requested, however, by enlisted military personnel and temporary additional duty personnel who need transportation between their billets or assigned temporary quarters to their work areas.

Next ROCKETEER will be final issue in '78

The ROCKETEER to be issued next Friday, Dec. 15, will be the final publication of the year. The Center newspaper will resume publication in 1979 with the issue dated Jan. 5.

In view of this, all clubs, organizations and other groups interested in publicizing special holiday activities are reminded to submit their information to the ROCKETEER office no later than Tuesday, Dec. 12.



SAFE DRIVING MONTH PROCLAIMED — Because December is traditionally a time of many parties and festive occasions, it once again has been proclaimed as "Safe Driving Month" throughout the Indian Wells Valley and Rand District. A proclamation calling attention to the hazards of drinking and driving, and wishing all citizens an enjoyable but safe holiday, was signed last Friday, Dec. 1, during a brief ceremony held at the Northeastern Kern County Administration Building in Ridgecrest. Duplicate copies of the proclamation were signed by (seated l. - r.) Vern Smith, vice-mayor of Ridgecrest; Paul Burns, president of the Inyokern Chamber of Commerce; Gene Tackett, Kern County Supervisor from the 1st District; Capt. F. H. M. Kinley, NWC Vice Commander; Dr. Norman Shapiro, medical director of the Desert Counseling Clinic (DCC); and Marion Arnote, a representative of The Rand Improvement Organization. Also present for the occasion were (standing, from left) Dorothy Carlo, administrative director of the Council on Alcohol Awareness; David Mechtenberg, administrator of the DCC, and Richard Dodge, acting president of Cerro Coso Community College. The proclamation makes note of the fact that half of the nation's traffic injuries and fatalities involve the use of alcohol on the part of the vehicle driver, and its signers urge all local area residents to support this proclamation and the public education program that will be conducted during December in an effort to alert all motorists to the need for exercising the greatest possible caution while traveling during the holiday season and throughout the coming new year as well. —Photo by Ron Allen



EVENTS ON DEC. 7, 1941, RECALLED — Larry Mason's introduction to the events that plunged the U. S. headlong into World War II took place not at Pearl Harbor, but on Midway Island, which was hit on the evening of the same day the Japanese struck the Island of Oahu. Although it was 37 years ago, Mason, who is an inspector in the Supply Department, still has vivid recollections of that momentous day which was to have its effect in different ways on the lives of all Americans.

### NWC employee recalls events at Midway Island on Pearl Harbor Day

This week, which has included another anniversary of the bombing of Pearl Harbor, once again has rekindled for Larry Mason the memories of his own experiences on Dec. 7, 1941, when his introduction to World War II took place on the evening of the "day of infamy" at Midway Island—some 1,300 miles west-northwest of the Hawaiian Islands.

some of which were filled hip-deep with salt water when the tide came in.

The Marine Corps garrison on Midway Island successfully fought off this initial harassment of Midway Island, and, in the days that followed, steps were taken to evacuate the civilian employees from the mid-Pacific outpost.

The plight of the civilian employees on Midway Island was big news on the home front, Mason noted, as he referred to a tattered and faded newspaper clipping from the Los Angeles Times datelined Dec. 10, 1941. It showed a picture of his mother looking at a photograph of her son, Larry. The photo was accompanied by a story which mentioned that Mrs. Mason, then a



Larry Mason  
May 1942

Both Larry Mason, who was 28 years old at the time, and his brother, Leslie, 33, were among the civilian workforce on Midway Island who found it hard to believe the news that the Japanese had attacked ships of the U.S. Fleet on the morning of Dec. 7, 1941, at Pearl Harbor.

As it turned out, however, they didn't have long to wait for their own "baptism of fire" which came that same evening at around 9:30 when Japanese destroyers shelled military installations on Midway Island for about 30 min. during two separate attacks.

It was a bright, moonlight night and the approaching Japanese ships could be seen from the shore before they opened fire, Mason recalled. He and his co-workers spent the long night of Dec. 7-8 in dugouts,

### Centerites can pick 1979 decals for CB, radio equipment

The Naval Weapons Center's 1979 decals for Citizen's Band and Amateur Radio transmitting equipment are now available for issuance at the Communications Division (Code 212), located in Bldg. 2 behind the Administration Building.

To receive a decal it is necessary to bring in a current Federal Communications Commission license. Those who are renewing their decals should also bring a copy of their Center permit.

All Center employees and residents who bring vehicles aboard the Center with radio transmitting equipment are required to obtain an NWC permit and decal. Further information is contained in NWC Instruction 2374.1.

resident of Hollywood, wept "tears of relief" as she read the laconic cablegram from her sons: "Everything is Okay."

He and his brother, Mason said, were among the civilian workers who volunteered to remain on Midway Island to continue with the work they were doing. They left there on April 21, 1942, for the Hawaiian Islands on the last ship sent to Midway to evacuate the civilians.

Mason landed a job as a lumber yard foreman at the Barber's Point Naval Air Station on the Island of Oahu and continued working as a civilian contractor employee until June 1944, when he transferred to Civil Service.

After the war he remained on Oahu, working up to the position of shop store branch supervisor before transferring to the Naval Ordnance Test Station (forerunner to the Naval Weapons Center).

### Advice offered to hosts who serve alcoholic beverages at Yule parties

By Billie Hise

Centerites who are planning a party during the holiday season at which alcoholic beverages will be served are urged to think of ways to avoid the possibility of their guests being charged later with driving while under the influence of alcohol.

Here are a few tips from the Department of Transportation:

1. Always serve food with alcohol. Tasty snacks can slow the rate that alcohol is absorbed in the body. Protein foods such as cheese and meat are especially good because they stay in the stomach longer and retard the absorption of alcohol.

2. Have several jiggers handy when guests mix their drinks so that alcohol can be measured and each person will have a good idea of his or her intake of alcohol.

3. If you make an alcoholic punch, use a non-carbonated base. Alcohol is absorbed by the body much faster when combined with a carbonated mixer such as gingerale.

4. Have a selection of non-alcoholic beverages on hand. Some guests will prefer a non-alcoholic beverage, others will intersperse alcoholic with non-alcoholic drinks to avoid over-consumption. Also persons taking some medication should not consume alcohol at all. Don't force alcohol on your guests. Make it easy for them to decide what they want to drink.

5. Stop serving alcohol about an hour before the party is to end. Give a ride to anyone you think has had too much to drink, or offer them a place to rest before leaving. Your concern and interest in your guests' welfare will be appreciated. Help everyone to have a safe and sane holiday.

### Motorcycle safety class will be held on Saturday, Dec. 16

Plans have been announced for a motorcycle safety class that will be held on Saturday, Dec. 16, starting at 8 a.m. at the Safety Building (corner of Nimitz Ave. and Hussey Rd.) on the Naval Weapons Center. The course is a combination of a lecture, films and actual riding experience for both on-road and off-road motorcycle riders.

A signed waiver must be presented by under-age students before they will be permitted to participate in the motorcycle riding phase of the class. Adults who enroll may sign such a waiver for themselves.

Waiver forms are available in the Safety Building office, and parents or guardians may sign for minors on the morning of the class or earlier.

Persons interested in obtaining more information about the motorcycle safety class may call Billie Hise at NWC ext. 2367.

Completion of this course, which is open to all NWC personnel and their dependents, is required for all persons who wish to operate off-road vehicles on the Naval Weapons Center.

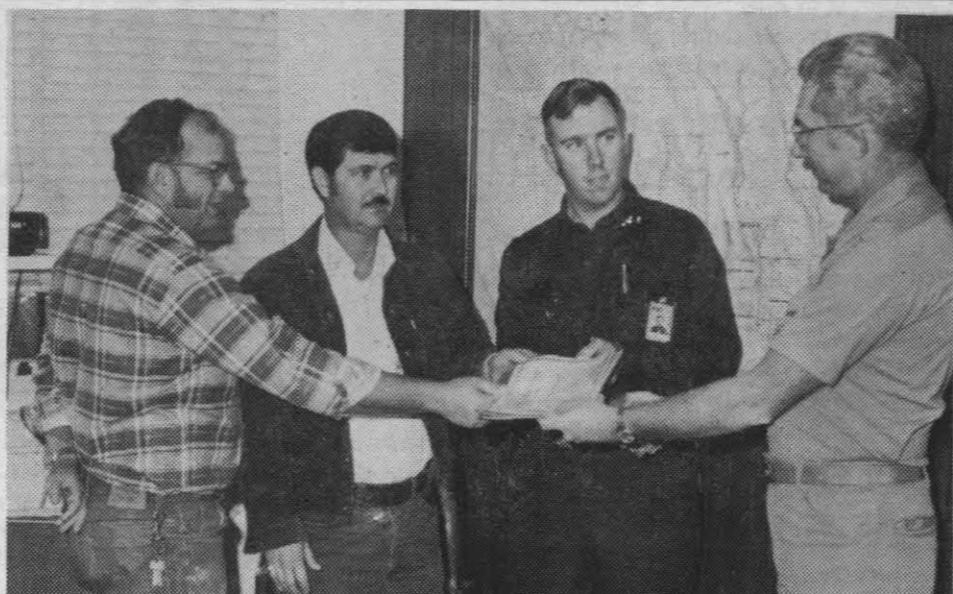
### Wherry housing . . .

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service planner for the Southern California Edison Co., the electric power company now requires that developers of projects of more than five houses must place electric power lines underground. This means that a new electric system will be necessary in the Wherry housing area.

At some point in the future, the Wherry housing area sewage disposal system will be tied into the city instead of the Navy disposal system.

What other requirements will have to be met in order to meet city standards will depend principally upon the type of development China Lake Investments, Ltd., has in mind for the Wherry housing area.



IDEA PAYS OFF — Three employees of the Public Works Department who are assigned to the Randsburg Wash area were the recent recipients of a Beneficial Suggestion Award that was presented by Capt. R. B. Wilson, Public Works Officer. The trio who shared the sum of \$1,208 for developing an oil draining system are (l.-r.) Charles R. Cass and Jerry L. Morrison, range mechanics, and Cecil Laing, a pipefitter. Their idea saves manhours and labor by replacing a manual drainage system for generators with plumbing and drums for use in draining oil, when necessary, directly into drums. — Photo by Ron Allen



JOINS AIR FORCE RESERVE — Don French (at right) is sworn in as a member of the 445th Civil Engineering Squadron by Maj. James E. Serpanos, commanding officer of this Air Force Reserve unit. Present for the ceremony was S. Sgt. Kathy Distefano, recruiter for the 445th Military Airlift Wing at Norton Air Force Base in San Bernardino. — Photo by Ron Allen

### Air Force Reserve Civil Engineering Squadron seeks additional members

The first of what he hopes will be a number of additional new members for the 445th Civil Engineering Squadron, a reserve unit of the Air Force's Base Engineering Forces, was sworn in recently by James E. Serpanos, a major in the Air Force Reserve who is employed at the Naval Weapons Center.

Inducted into the Air Force Reserve with the rating of senior airman during a ceremony held in Conference Room A of the Michelson Laboratory was Don French, a data management coordinator in the Computer Services Branch of the Weapons Department.

Present for the ceremony, in addition to Maj. Serpanos, the squadron's commanding officer, was S/Sgt. Kathy Distefano, recruiter for the 445th Military Airlift Wing at Norton Air Force Base in San Bernardino.

More Billets Available According to Maj. Serpanos, a change from flight to squadron status for the 445th Civil Engineering Squadron, has created openings for between 30 and 40 more members.

Local area residents interested in joining his Air Force Reserve Squadron can obtain additional information by calling either Maj. Serpanos at NWC ext. 3340, or S/Sgt. Distefano on AUTOVON 876-4037.

There are openings in more than 20 job specialties for men and women 18 years of age and over, whether or not they have had prior military training. These include engineering construction, operating heavy equipment, repair and maintenance of refrigerated air conditioning equipment, interior and exterior electrical work, fire fighting, carpentry, sheet metal work, plumbing, welding, masonry, and painting.

Untrained enlistees will be given on-the-job training in fields in which they have an aptitude and interest during weekend drills that are held one weekend per month at Norton AFB.

Active Duty Training

As they gain proficiency in their job specialties, Air Force Reservists are involved in active duty training assignments. This past spring, for example, 15 fire fighters from the 445th CES flew to Saxon Air Force Base in Korea to take part in a joint Army, Navy and Air Force exercise called "Team Spirit '78."

During 1977, squadron personnel were sent to Misawa Air Force Base in Japan to construct three pre-fabricated buildings needed there. Summer encampments for personnel of the 445th Civil Engineering Squadron also have taken them to Alaska

and Hawaii, and to Air Force Bases in Oklahoma, Missouri, Arizona and various parts of California.

New mission tasks assigned to the 445th Civil Engineering Squadron are rapid runway repair, repairing bomb-damaged facilities and utility systems, emergency-type base operations and maintenance, and crash rescue and fire suppression.

Maj. Serpanos is employed as a mechanical engineer in the Thermal Structures Branch of the NWC Ordnance Systems Department. He joined the Air Force Reserve as a master sergeant in 1966, and has been actively involved in the 445th Civil Engineering Flight (now squadron) since that time.



LIFESAVING GIFT — Dottie Whitnack (l.), representing the Desert Flames, NWC Fire Division Women's Auxiliary, and Kathy Cheever of the High Desert Junior Women's Club, join Kern County Fire Captain Bill Brown in looking at a \$500 check given by the Desert Flames to the Junior Women's Club to help that organization to purchase the "Jaws of Life" device (shown in foreground) for the Ridgecrest station of the Kern County Fire Department. The Desert Flames also presented a \$50 check to the Toys for Tots campaign, and \$100 to the Warren Berry family which was the victim of a recent house trailer fire in Inyokern. The Fire Division auxiliary group raised money by working at the snack bars during baseball season, through the sale of cookbooks and at a bazaar.

### Happenings around NWC

The Center Library's collection of Christmas records and special children's books for Christmas has been placed on display in the library.

There is a limit of one Christmas record and Christmas book per library patron per week, Mike Santone, librarian, reported.

The Center Library is now open seven days a week from noon to 9 p.m.

#### Seminar on Stress

The next in a series of lunch-time seminars dealing with stress and ways to reduce its effects, will be held on Wednesday, Dec. 13, from 11:30 a.m. to 12:30 p.m. at the Community Center.

The seminar will be conducted by Jack Chandler, a counselor at the Desert Counseling Clinic, who will discuss

### Jackrabbit control program to continue throughout weekend

Last week's jackrabbit control program, despite some unfavorable blustery weather, has been assessed as successful thus far. Damage is, however, still being done by jackrabbits to several greens and fairways on the northeastern portion of the course. To save them from further serious damage, a decision has been made to continue the control program for another weekend.

If weather is favorable the China Lake Police Division will shoot jackrabbits on the golf course tonight and also on Saturday and Sunday nights. The hours of shooting will be from 7 to 11 o'clock on Friday and Saturday and from 7 to 10 p.m. on Sunday. After an evaluation, the determination will be made whether an extension of the program is required.

The forbearance and cooperation of the community, especially families located on the periphery of the golf course, while this program was carried out last week are sincerely appreciated.

All personnel are requested to remain clear of the golf course during the times stated above while the program is in effect. Parents are especially urged to keep youngsters out of the area.

stressors that are common during the holiday season, and suggest ways of reducing the effects of such stress.

All NWC civilian employees and military personnel are invited to hear Chandler's talk entitled "Changing Holiday Stress to Joy." Those who attend the mid-day seminar are reminded to bring a brown bag lunch with them so they can be eating while the seminar is being held.

#### Yule Cantata at Chapel

A Christmas cantata presented each holiday season as a gift to the community by members of the Protestant congregation's choir at the All Faith Chapel has been scheduled on Sunday at the 10:15 a.m. worship service.

This all-musical program will be directed by Mrs. Dovie Leonard, who will be leading the 35-member choir in a presentation of "Night of Miracles" by John Peterson.

The choir will be accompanied by Ray Blume, the chapel organist, and Mrs. Joan Fowler, pianist.

Featured soloists will be Robert B. Leonard, John Strommen, Sam Haun and Capt. J. D. Killoran.

### NEX open longer on Saturdays; holiday sales events planned

In order to provide additional service for patrons, the Navy Exchange will remain open for an extra two hours on Saturdays from now until Christmas.

Instead of closing at 2 p.m., the Navy Exchange will remain open until 4 p.m. on Dec. 9, 16 and 23, it was announced by Ltjg. R. J. Boyd, Navy Exchange officer.

Among special events planned during this period of time are a men's night shopping spree on Friday, Dec. 15, from 6:30 to 8:30 o'clock, and the sale of Christmas trees on the parking lot outside the Commissary Store on Dec. 15 and 16, from 10 a.m. to 5:30 p.m.

In other matters pertaining to the operation of the Navy Exchange, Ltjg. Boyd reported that the snack bar at the bowling alley will be closed for renovation from Dec. 22 to Jan. 1.

In addition, the Navy Exchange Annex, which normally operates seven days a week, will be closed on Christmas day.

### Health Dept. offers free immunizations for local children

Another in the series of monthly Kern County Health Department clinics for the purpose of immunizing pre-school and school-age children against common childhood disease will be held on Monday from 9 to 11:30 a.m. at the old county building, 230 W. Ridgecrest Blvd.

These clinics are open to the public and no appointments are necessary. Offered are immunizations (DPT, polio, German measles and mumps) at no charge to all children from 2 months through 17 years of age.

Parents or legal guardians must accompany youngsters to the clinics and sign consent slips.

Additional information can be obtained by calling the Kern County Health Department in Ridgecrest, ph. 375-1306.

Dr. Leon M. Herbertson, Kern County Health Officer, urges all parents of pre-school and school-age children who are not yet fully immunized against these common childhood diseases to obtain shots for their offspring.

## Think Safety

She drove the highways helter-skelter  
Now her car's ready for the smelter.