

### Summer party for NWC employees to be held on July 29

Plans are now in full swing for the annual Naval Weapons Center summer party, which will be held on Friday, July 29, on the lanai of the Commissioned Officers' Mess, beginning at 6:30 p.m.

Sponsored by the NWC Junior Professional Development Committee, this year's event will feature good food, drinks, dancing and entertainment and is open, as usual, to all NWC employees.

Jim Rieger will be the DJ for the disco dance planned, and Len Finney, "Mr. Magic," will perform the amazing act which has earned him so much applause at the famed Magic Castle in Los Angeles.

One dinner menu, with tickets priced at \$3.75, includes spaghetti with meat sauce, salad, garlic bread and a choice of coffee or tea. The other menu, tickets for which cost \$5.25, consists of braised sirloin tips, buttered noodles, salad, rolls and butter, and a choice of coffee or tea to drink. Free beer will be available to attendees.

Tickets to this informal affair are now on sale in the main lobby of Michelson Laboratory, at all department offices and most division offices. Further information may be obtained by calling Jay Hodge, chairman of the party committee (NWC ext. 3987), or John Francis, co-chairman (NWC ext. 2283).

### Celestial mechanics to be topic Mon. at star gazers' meeting

Reports on the interactions of planets and satellites and on the recent meeting of the Astronomical Society of the Pacific (ASP) will highlight the next meeting of the China Lake Astronomical Society, which will be held on Monday night at the group's clubhouse, 401-A McIntire St.

The meeting, which is open to the public, will begin at 7:30. Giving the talk on celestial mechanics will be George Stefan, while George Stillwell will discuss the results of the ASP meeting, which was held on the campus of Pomona College in Claremont. Both speakers are CLAS members.

The evening's film, appropriate for the eighth anniversary of Apollo 11, will be "The Moon—An Emerging Planet." It briefly reviews what scientists have learned of the early history of the moon, including its accretion, structural formation, volcanic activity and meteoroidal bombardment.



**POPULAR SUMMERTIME EVENT** — The shaded lawn area at the NWC All Faith Chapel will be the setting for the Protestant Women of the Chapel's annual ice cream social. This popular summertime event, which is being arranged by a committee headed by Mrs. Pat Silberberg, will take place on Tuesday, July 19, from 6 to 8:30 p.m. Doing their bit to call attention to the upcoming affair are Kerri and Andy Corzine. Donations of 75 cents for adults and 35 cents for children 11 years of age and under will entitle those attending the ice cream social to a single serving of ice cream with either cake or pie and coffee or punch. Tickets can be purchased on weekdays at the All Faith Chapel office, or on Sundays following Protestant Congregation services. All proceeds will be used to help support the congregation's mission projects. —Photo by Ron Allen



**TONIGHT'S THE NIGHT** — The curtain will go up tonight at 8:15 at the Burroughs High School lecture center on the opening performance of "Gypsy," the Community Light Opera and Theater Association's summer production based on the career of Gypsy Rose Lee. Pictured in this scene from the play, as they wait for auditions, are (l.-r.) Marlene Page, Linda Cain, Shelly Finney, Monika Holtermans and Nancy Finney. —Photo by John Dunker

### CLOTA's 'Gypsy' to open tonight at Burroughs High lecture center

"Gypsy," the summer production of the Community Light Opera and Theater Association, will open at the Burroughs High School lecture center tonight at 8:15 and continue with performances at the same time and place tomorrow evening, as well as on July 15 and 16.

The subject of this fun-filled musical comedy is the rocky road to stardom pursued by the queen of burlesque, Miss Gypsy Rose Lee. Lenore Edwards will make her stage debut as Momma Rose, the pushy mother, and Melissa Russell has the title role of Gypsy.

Nancy Miller Nowak will be seen as June, the family's other daughter who misses her chance for a big show business career when she runs off and marries Tulsa, played by Mitch Lyon. Herbie, Rose's boyfriend, is portrayed by Len Finney, while Suzanne Koerschner will be seen in the role of Tessie Tura, an "over-the-hill" stripper.

The male dancers in the play are Loren Dorrell, Brian Weathersbee, Mitch Lyon, Reno Venturi, Russell Brown, Steve Carter and Robbie Hunt. The "Toreadorables Hollywood Blondes" are Karen Leon, Kathy Schimpf, Sheila Whisman, Pam Machulski, Liane Breitenstein and Meldina Maltby.

Cast as show girls are Bonnie Irvine, Kym Brett, Marlene Page, Beth Gilmer, Virginia Sandberg, Susan Cragin, Sharon Burkland, Dalene Howard, Barbara Tunget and Marilyn Roether.

Other members of the cast include Becky Maltby, Lisa Miller, Peg Westfield, Shirley Tescier, Jim Rieger, Don Tilford, Clyde Irvine, Pat White, Don Kumermann, Mark Roether, Tim Connahan, Kathy Schimpf, Laura Leet, Linda Cain, Janeal, Ronnie and Kathy Cobb, Ricky Hunt, Nancy and Shelly Finney, Debbie Chamberlin and Monika Holtermans.

Hit songs in this production will include "Everything's Coming Up Roses" and "Let Me Entertain You."

Tickets, priced at \$4 for adults and \$2.50 for students, senior citizens and enlisted military personnel, are on sale at the Gift Mart, Medical Arts Pharmacy and the Importium, all in Ridgecrest. They also will be available at the box office prior to each performance.

### Local Boy Scouts to attend summer camp at Huntington Lake

Eight local Boy Scout troops are making plans to leave for summer camp at Camp Kern, located at Huntington Lake, about 70 miles northeast of Fresno.

The camp, which is for both Boy Scouts and Explorer Scouts who are boys, will begin Sunday and continue through Aug. 19, but participating troops will attend for only one week each, on a staggered schedule. From 85 to 100 troops, comprising about 1,000 scouts, are expected to attend this summer camp.

The local units slated to leave for camp at various times over the summer, and their sponsoring organizations, are as follows: Troop 848, Grace Lutheran Church of Ridgecrest; Troop 3, Ridgecrest Elks Club; Troop 41, the All Faith Chapel at NWC; Troop 815, Trona Community Church; Troop 35, the International Association of Machinists and Aerospace Workers Local 442 (China Lake); and Troops 68, 824 and 825, all from the LDS Church of Ridgecrest.

Local scouts whose troops are not planning to attend summer camp this year still have the opportunity to join one of the above participating units in order to make the trip, according to Scout District Executive Norm Wiseman. More information may be obtained by phoning him at 375-8792.

### Live music set at COM

Tonight's festivities at the Commissioned Officers' Mess will include dancing to Cookie and Co., a contemporary music group from Barstow, from 8 p.m. to midnight.

## SHOWBOAT

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

- (G) - ALL AGES ADMITTED  
General Audiences
- (PG) - ALL AGES ADMITTED  
Parental Guidance Suggested
- (R) - RESTRICTED  
Under 17 requires accompanying Parent or Adult Guardian
- CS - Cinemascope
- STD - Standard Movie Screen
- Regular starting time—7:30 p.m.
- Program subject to change without notice—please check marquee.

FRI. 8 JULY

**"FLESH GORDON"** (68 Min.)  
Jason Williams, Susan Fields  
(Satire) The time is 1930; the setting is earth, which has been thrown into carnal chaos by a mysterious ray. The world's top scientists are awaiting the arrival of Professor Gordon's son, Flesh, who is enroute by plane. But the plane is struck by the mysterious ray, causing it and the passengers to lose control. Parachuting to safety, they encounter a zany doctor who explains he has located a planet called Porno from which the sex ray emerges. This film is a sexual takeoff on the Flash Gordon films and contains fairly explicit sexual scenes. (R)

SAT. 9 JULY

**Free Matinee**  
**"THE LADY AND THE MONSTER"**  
1:30 p.m.

SAT. 9 JULY

**"CRIME AND PASSION"** (92 Min.)  
Omar Shariff, Karen Black  
(Drama) Shariff is an international investment counselor who, due to his financial manipulations, is in deep trouble. Trouble instills him with an insatiable sexual urge, demanding immediate satisfaction regardless of time or place. Thus, when his Girl Friday and lover (Karen Black) confronts him with the latest crisis, she is forced to submit to his urge. Later, she tells him of a multi-millionaire financier's personal interest in her, and an idea is born. Black will marry the millionaire and obtain a divorce a few months later, with a large cash settlement which should put both Black and Shariff on easy street. (R)

MON. 11 JULY

**"ALL THIS AND WW II"** (88 Min.)  
Clark Gable, Laurel and Hardy  
(Musical Documentary) Dozens of tunes by John Lennon and Paul McCartney, interpreted by recording artists from Tina Turner to Frankie Laine, serve as the musical background for this collage of 20th Century Fox war clips and newsreel footage. In short, all the highlights of the war, plus memorable moments from war-time films, have been assembled in this movie. (PG)

WED. 13 JULY

**Matinee**  
**"THE CONNECTICUT YANKEE"**  
1:30 p.m.

WED. 13 JULY

**"BOUND FOR GLORY"** (148 Min.)  
David Carradine, Ronny Cox  
(Drama) This is the supposedly true story of Woody Guthrie, a country music composer and singer in the 1930s. The film begins with the Guthrie family's struggle to weather the Depression. Leaving his wife and two daughters, Guthrie begins a trek to California and installs himself in a farm labor camp. He is shocked by the brutalization of migrant workers and soon fights for their cause by joining with a local radio entertainer who uses his songs to urge the farm workers to unionize. Guthrie becomes established as a radio entertainer, resists pressure from advertisers to cool his use of songs as union propaganda, and in the end walks off and resumes his wanderings. (PG)

FRI. 15 JULY

**"AGAINST A CROOKED SKY"** (86 Min.)  
Richard Boone, Stewart Paterson  
(Western Drama) When an Indian prince from a hidden civilization abducts a young girl, her brother and father pursue. The brother (Paterson) nearly drowns while fording a river, but is saved by Richard Boone. Together they search for the girl. After many days, they meet an 80-year-old red man who offers to escort them to "Crooked Sky," where the girl may be found. (PG)

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From: \_\_\_\_\_ PLACE STAMP HERE

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

# nwc rocketeer

Naval Weapons Center  
China Lake  
California

July 8, 1977

Vol. XXXII, No. 27

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**NEXT NWC COMMANDER VISITS CHINA LAKE** — Rear Admiral William L. Harris, Jr., who is scheduled to assume command of the Naval Weapons Center later this summer, was here for a familiarization visit on Wednesday. He is shown during a discussion with Capt. Frederic H. M. Kinley (at right), the present NWC Commander, and R. M. Hillyer, acting Technical Director. When RAdm. Harris returns to begin this tour of duty as NWC Commander, Capt. Kinley will resume his duties as Vice Commander. —Photo by Ron Allen

## RAdm. William L. Harris to be next NWC Commander, due here later this summer

Announcement that Rear Admiral William L. Harris, Jr., has been selected for assignment as the next Commander of the Naval Weapons Center and will report here for duty later this summer was made at Tuesday morning's Commander's meeting.

RAdm. Harris will be relieving Capt. Frederic H. M. Kinley, former Vice Commander at NWC, who assumed his present duties following the departure of RAdm. R. G. Freeman III on May 26.

RAdm. Harris enlisted in the Naval Reserve in November 1942 as a Naval Cadet in the V-5 program, entered the U.S. Naval Academy the following September, and was graduated (with a commission as an ensign) with the Class of 1947 on June 5, 1946.

His time in grade as a rear admiral dates back to May 1, 1973, and he will be coming to China Lake from duties he has held since last November as the Naval Air System Command's Assistant Commander for Test and Evaluation.

RAdm. Harris' first active duty assign-

ment upon graduation from Annapolis was on board the USS Princeton in August 1946, where he remained until March 1948 when he was detached for flight training at Pensacola, Fla.

Designated a naval aviator on Aug. 12, 1949, he joined Attack Squadron 75 flying the A-1 Skyraider. From the aircraft carrier USS Bon Homme Richard he flew 53 combat missions over Korea and was awarded the Navy Commendation Medal and gold stars in lieu of two additional awards (each with combat "V"). In addition, he received the Air Medal and gold star in lieu of a second award for the period June 23 to Nov. 2, 1952, and is entitled to wear the ribbon for the Navy Unit Commendation that was awarded the Bon Homme Richard.

Attended Postgraduate School in Monterey, Ca., where he received a bachelor's degree in aeronautical engineering and a master's degree in electrical engineering.

After leaving Monterey, he became the maintenance and operations officer for Attack Squadron 34, a unit which flew the A-4A Skyhawk and received the Chief of Naval Operations safety award in 1958. Additional schooling followed (this time at the Naval War College where he attended the Command and Staff Course from August 1959 to June 1960), and RAdm. Harris then reported to the Bureau of Weapons in Washington, D.C., as project officer for the A-6A Intruder aircraft weapons systems.

### Activity picking up at community recycling center

Activity is picking up at the recycling center (located just off S. Richmond Rd. at Santee St.) where a machine for shredding aluminum cans has been installed and is now in operation.

According to Jim Fath, a member of the Employee Services Board's Recycling Committee, nearly a half-ton of aluminum cans was shredded last Saturday.

Once this is done, the shredded aluminum is dumped into a hydraulically-powered machine that crushes it into balls before it is picked up with wire straps. The balls of crushed aluminum will be stored awaiting a decision on where to market them for the best price, Fath added.

During the past week, one truck was here to pick up about 30 tons of glass from the recycling center, and another hauled off 15 tons of newspaper. An additional 17 tons of old newspapers had been sold earlier by the Recycling Committee.

Fath also reported that plans have been drawn up for submittal to Center's Facilities Planning Board for sinking a surplus railroad oil tank car at the recycling center as a receptacle for collecting used automobile crankcase oil.

If the go-ahead is given for this addition to the Recycling Center, it will provide a place for local residents who wish to do so to change and dispose of their own vehicle motor oil, which will then be sold and the money used for various community improvement projects.



**GETTING READY FOR TEST** — Bill Hickle (left) and Wally Fung, both employees of Code 3123, prepare an M61A3 gun for tests on K-2 Range. The gun fires 20mm ammunition at the rate of 100 rounds per second. —Photo by Ron Allen



AUCTION SALE HELD — Ernie Escajeda, an auctioneer from the Defense Property Disposal Office in Barstow, was here on Tuesday, June 28 to conduct an auction sale of surplus government property that was held at the Community Center. The event, which attracted a turnout of less than 90 registered bidders, resulted in sales totaling \$4,270. Most popular of the items offered for sale were three separate lots of various sizes of steel pipe. On hand from Barstow to keep track of the bids that were offered once the auctioneer had set the minimum acceptable price were (seated at table) Dan McGowan, a sales specialist, and Lucy Stevens, a secretary. The next auction of surplus government property on hand at the Naval Weapons Center is to be consolidated with one at Edwards Air Force Base and held there in mid-August. In addition, another local auction sale is scheduled here tentatively in September.

—Photo by Ron Allen

### Lt. Schneider now serving as head of Public Works Dept. Contract Div.

Lt. Charles H. Schneider, CEC, USN, reported for duty last week as head of the Contract Division in the Public Works Department.

He replaced Lt. James A. Roberts, who was discharged from the Navy on June 30 and will begin work as an engineering specialist for Holmes and Narver, an engineering consultants' firm.

Lt. Schneider, who is a veteran of eight years' service in the Navy, has (for the past 15 months) been attending postgraduate school at Purdue University in West Lafayette, Ind., where he received a master of science degree in civil engineering prior

to being assigned to duty at the Naval Weapons Center.

Before joining the Navy and serving for a year as an enlisted man, he was graduated in 1967 with a BS degree from Lehigh University in Bethlehem, Pa., and then worked for two years for the Bethlehem Steel Corp.

A year after enlisting in the Navy in 1969 in his home town of Pittsburgh, Pa., Lt. Schneider was selected for Officer Candidates School and subsequently received his commission as an ensign in the Civil Engineer Corps at Newport, R. I., in July 1970. His first assignment as an officer in the Navy was with the Public Works Department at the Naval Air Station, Quonset Point, R.I.

Two years of duty as training officer and a company commander with Naval Mobile Construction Battalion ONE — first in Davisville, R.I., and then in Gulfport, Miss. — preceded his studies for a master's degree at Purdue University.

Lt. Schneider was accompanied to China Lake by his wife, the former Christine A. Herdt, from East Greenwich, R.I.

### AFGE to meet Monday

Members of Local 1781 of the American Federation of Government Employees will hold their next monthly meeting on Monday, beginning at 7 p.m., at 65-B Halsey Ave., China Lake.

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

### 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. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 094 or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Clerk-Typist, GS-322-3, PD No. 7733049N, Code 333 — This is an intermittent position located in Development Division I, Fuze Department. Incumbent types technical reports, memoranda, etc., from rough notes and verbal instructions; types travel orders and makes travel arrangements; and receives incoming telephone calls and mail, and routes both to appropriate division personnel. Job Relevant Criteria: Ability to type accurately and work rapidly and accurately; reliability and dependability; receptionist abilities and telephone answering skills. File applications for the above with Terry Rowell, Bldg. 34, Rm. 210, Ph. 2371.

Supervisory Accountant, GS-510-12, PD No. 7017015, Code 08601 — This is a temporary assignment beginning in July 1977 and ending in June 1978. The incumbent is assigned as head of the Financial Operations Division, with responsibility for directing the operational aspects of a total Navy industrial fund system. The incumbent is responsible for providing accounting services to all NWC departments and ten activities through the supervision of five branch heads; assures that all accounting transactions are equally and procedurally correct, and assists the division head in the formulation of financial policy and procedures. Job Relevant Criteria: Knowledge of NIF system; ability to formulate financial policy and procedures and to provide leadership and supervision to a financial operation; ability to understand and interpret regulations and to communicate effectively both orally and in writing. Could lead to a permanent assignment. File applications for the above with Tina Rockdale, Bldg. 34, Rm. 206, Ph. 2676.

Firefighter, GS-081-5, PD No. 7284014, Code 242 — This position is located in the Fire Division of the Safety and Security Department. Major duties include driving and operating structural pumps and any type crash fire trucks, responding on ambulance calls as either driver or attendant; inspection of Center's buildings and property, and conducting training classes for trainee firefighters. Job Relevant Criteria: Knowledge of locations (streets, water distribution, alarm/detection systems, buildings, contents, layout, etc.); ability to operate firefighting apparatus and equipment (structural pumps, crash fire trucks, pumping systems, nozzles, rescue equipment); driving ability (proper use of gears, clutch and brakes; demonstrated safe, smooth and effective operation of vehicles); knowledge of fire prevention practices with regard to building inspections and ability to identify fire hazards; knowledge of reference sources; firefighting knowledge (knowledge of fire, origin and techniques of extinguishing fires); ability to accept responsibility and carry out assignments with minimal supervision. This announcement will be used to establish the promotion register for Firefighter, GS-081-5B, which will remain in effect until December 1977.

Clerk-Typist, GS-322-3/4, PD No. 7735051N, Code 3544 — This position is that of clerk-typist located in the Radar Development Branch, Microwave Development Division of the Electronic Warfare Department. The incumbent will type from rough draft or handwritten copy all types of letters, charts, memoranda, official correspondence, reports, and forms. Secondary duties will include answering phones, placing and receiving long distance calls, receiving visitors, arranging for travel, keeping timecards, sorting and distributing mail, and other office duties. Job Relevant Criteria: Ability to type accurately and efficiently; knowledge of grammar, spelling and punctuation rules; knowledge of engineering terminology; ability to work well with others and to exercise tactfulness and courtesy. File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2393.

Shop Planner (General), WD-6701-5, JD No. 554, Code 24403 — This position is located in the Scheduling Branch, Maintenance-Utilities Division, Public Works Department. The incumbent processes all shop orders and job orders for shops, orders equipment, writes orders for prefabrication by other shops, keeps a record of all jobs not requiring the shop supervisor's personal attention and makes daily progress reports to the maintenance scheduler. Job Relevant Criteria: Knowledge of trade and associated technical practices; ability to meet deadlines under pressure; ingenuity (ability to suggest and apply new methods); ability to communicate (skill in written and oral expression); ability to plan, estimate, progress and schedule production. File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2032.

Clerk-Typist, GS-322-3/4, PD No. 7445046, Code 3273 — This is a full time permanent position located in the Systems Technology Branch, Propulsion Systems Division, Propulsion Development Department. The incumbent types technical reports and correspondence, reviews and distributes incoming correspondence, and performs miscellaneous clerical duties. Job Relevant Criteria: Must be able to type accurately and efficiently, be able to perform clerical tasks independently, and have a good understanding of clerical office functions. File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2393.

of property, and regulation of non-criminal conduct including traffic control and enforcement. Job Relevant Criteria: For GS-3, ability to work in stress situations; ability to exercise good judgment, and potential ability to properly apply and enforce laws. For GS-4/5, ability to work in stress situations; ability to exercise good judgment; knowledge of police investigation and patrol procedures, and knowledge of laws and regulations. This position is open to men and women. Summary of qualification requirements: GS-3, one year law enforcement experience, GS-4, two years law enforcement experience, GS-5, three years law enforcement experience. File applications for the above with Charlotte Siewkowski, Bldg. 34, Rm. 204, Ph. 3118.

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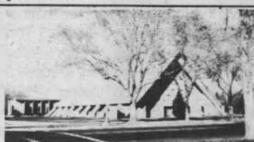
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### Blue Cross agent due

Kris Bergan, the Blue Cross / Blue Shield insurance representative, will be at the Community Center on Thursday, July 21, from 10 a.m. until 2 p.m. Enrollees in this health insurance plan who wish to talk with him will be seen on an appointment-only basis.

Beginning Monday, a sign-up sheet will be at the front desk of the Community Center. Those interested in seeing Bergan must visit the Community Center to sign up, since no appointments will be taken over the telephone.



### DIVINE SERVICES

PROTESTANT 1015 Sunday Worship Service 0900 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 1130 Wednesday Noon Bible Study 0630 Thursday Men's Prayer Breakfast

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

CONFESIONS 1115 to 1130 Saturday 1615 to 1645 Sunday 0800 to 0825

RELIGIOUS EDUCATION CLASSES 1015 Sunday Pre-School thru 6th grades 1530 Wednesday Kindergarten thru sixth 1900 Sunday seventh & eighth (Junior High) 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 EAST WING—ALL FAITH CHAPEL Sabbath Services every Friday 1930

UNITARIANS CHAPEL ANNEX 95 Services—(Sept.-May) 1930

LONGEVITY COMMENDED — LCdr. H. A. Wells, assistant Public Works officer (at left), is shown presenting a 35-year federal service pin to Charles R. Mead, general foreman of the Electrical/Plumbing Branch of the Maintenance and Utilities Division. Mead entered the Marine Corps in 1943 and, following his discharge, began work as a welder trainee at Mare Island, Calif. Born in Denver, Colo., Mead has lived and worked at NWC for 29 years. —Photo by Ron Allen

### NWC team eliminated early from 11th ND slow pitch tourney

Despite getting off to an auspicious start, the Naval Weapons Center's team failed to advance very far in an exciting 11th Naval District Northern Area slow pitch elimination tournament, which was held last week at the Naval Support Activity, Terminal Island.

Starting things off in the double elimination affair on Monday, June 27, the locals edged a powerful team from the USS Robison by a final score of 16-15. The game was tied at 15-15 going into the bottom half of the seventh and final inning, when China Lake's Ed Timmons led things off with a double. Ted Breimeyer then sacrificed him to third base, and Ron Penny followed with a game-winning double to score the final run of the contest.

### 5 Home Runs Hit

Penny, China Lake's pitcher throughout the tournament, was credited with this, the one and only NWC victory, which was highlighted by two home runs by Rick Booth and one apiece by Breimeyer, Timmons and Bob Brown.

After this win, the China Lake nine immediately turned around and played another game, this time against the softballers representing the Naval Regional Medical Center, Long Beach. The teams were locked in a 2-2 tie going into the sixth inning but the corpsmen bombed four round-trippers to put the game away, 10-2.

In a do or die situation the next day, the China Lakers came up against the Seabees from the Naval Construction Battalion Center, Port Huene, and lost, 13-2, thanks to four home runs belted by the opposition. This loss put the locals out of further competition.

### Leading NWC Hitters

Leading hitters for the Naval Weapons Center during the tournament were Kenny Rogers, with 7 hits in 9 at bats, and Brown, who went 5 for 9. According to the team's coach, Sam Treece, "Our players just weren't used to the spin which the opposing pitchers put on the ball, and were also unfamiliar with the playing fields."

Winner of the tournament, with a perfect 3-0 record, were the softballers from VX-6, of Pt. Mugu, while their rivals from Naval Air Station Mugu itself placed second with 4 wins and 1 loss. Both teams competed this week in the district-wide slow pitch tournament held in San Diego.

### Employee in the Spotlight



Bill Bewley

Bill Bewley, newly-selected head of the Technical Information Department's Motion Picture Laboratory Branch, has some advice for Centerites working their way up the promotion ladder: "Keep your ear to the wall, your shoulder to the wheel and your nose to the grindstone. If you can work in these positions simultaneously, you've got it made."

Before anyone rushes out to sign up for a yoga class, Bill will add, "Seriously, I've learned that a person should stick with the job and do it well, and not worry so much about transferring around to different jobs. Eventually, you'll get the breaks and things will happen for you."

It's easy to see that Bill's career philosophy has paid off for him. He began work here as a physical science technician in the Chemistry Division of the Research Department in 1956, doing individual research on such projects as thin film analysis of polymers and nuclear magnetic resonance spectroscopy.

### Moves Up Promotion Ladder

Two years later, after being riffed, he moved to his present branch. There, he began in the Process Control Group by performing analysis of photographic chemicals so that the solutions could be maintained at their proper balance. Bill's next step up was to motion picture processor, and from there he became, successively, journeyman processor, head of the Process Control Group, head of the Technical Services Section (which involved maintenance on process machines) and about a month ago, branch head.

"I have a supergood job," says Bill, "because it's full of challenges and is very

interesting, and besides, I like working with people a whole lot." He adds, "This is really my first chance at a managerial job, and, although I have other people now to take care of the technical aspects of the work I handled earlier, I'm still interested in the quality of the product that we turn out."

A native of Atherton, Calif., Bill received his A. S. degree from the College of San Mateo in 1951. In 1956, while studying chemistry at San Jose State, he decided to enlist in the Army before the draft got him, and so joined up with the 66th Infantry Division in Colorado Springs, Col.

Bill's fraternity brothers and family gave him a big sendoff, but the next morning, just

eight hours after he took the oath, he flunked the Army's physical exam because of his eyes. It wasn't long before he was back home explaining to his parents why he wasn't in uniform.

Having dropped out of school to become a soldier, Bill now needed a job, and he knew he could have one, too, because while still at San Jose State he had been interviewed by China Lake's Vaughn Adamson, who encouraged him to make the trip to the Mojave Desert. Actually, he had seen the area a few years earlier when he visited some of his Phi Sigma Kappa fraternity brothers here. And he liked what he saw of this "nice quiet desert town" with good recreational opportunities.

Community Service Activities Community service activities are an important part of Bill's life. Ranking first in this department is his 17-year association with the Ridgecrest Lions Club, in which, at one time or the other, he has held every elective office. Presently, Bill serves as "tail twister," which means fine collector. In his own words, "If the fine isn't paid, I pick up the delinquent and turn him upside down, shaking him until the money drops to the ground." Presumably he's just kidding, but you never can tell, because Bill is very serious about his service club work.

In addition, for the past three years, Bill has been actively involved in the Ridgecrest Little League, having just finished a term as Minor Division vice-president, and now has the job of league vice-president before him. He was just recently elected to the latter position, which will make him responsible mainly for scheduling and soliciting advertising. Not only does he hold a "front office" job, but this year he also managed the Astros to their division's first half championship.

### Vacation Conscious Family

Bill's whole family — including his wife, Darleen, and children, Cheryl, 14 and Kevin, 11 — are very vacation conscious. The year before last they took their motor home on a 9,000 mile trip to Alaska, and, following the oil pipeline all the way, saw wolves and caribou in the Yukon. This year they plan to spend two weeks in the Lake Tahoe area.

Moreover, Bill and his son enjoy going backpacking and fishing in the Sierra Nevada mountains. These are two pursuits our employee in the spotlight acquired while working during his summer vacations from college at a service station in Yosemite National Park. "I would recommend that sort of experience for any young person," says Bill, "because through it I learned to work hard and spend my free time constructively—two ingredients for success in any field."

### Latest China Lake Intramural Softball League standings

Results as of Monday, July 4:

Table with columns: Team, Men's Fast Pitch Div., Women's Fast Pitch Div.

Table with columns: Team, Slow Pitch National Div., Slow Pitch American Div.

### Local all-star nine competes in Palmdale tourney this weekend

Entering the final three weeks of regular season play, the Graham Associates, local entry in the Northern California Congress Softball League, will travel to Palmdale this weekend to compete in a double elimination tournament.

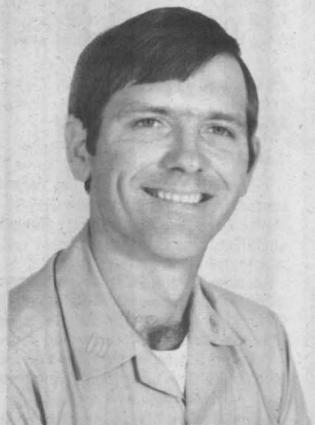
At press time, no information was available on which of the 16 or 18 teams entered in the tourney would be opposing the Graham Associates in their first tournament tilt.

The local all-star team will be calling on the pitching talents of Dave Strickland and Val Harper in the tourney at Palmdale, while Tom Mather will make up the other half of the battery combination as catcher.

In their most recent competition, the Graham Associates placed second in the fifth annual Indian Wells Valley fast pitch softball tournament held at China Lake on the weekend of June 24 through 26.



DRILL TEAM CONGRATULATED — Capt. Frederic H. M. Kinley, NWC Commander, offers his congratulations to AZ3 Gordon Gillie, squad leader of the NWC drill team and color guard, which returned home with a second place trophy following participation in a parade that was held during very warm weather on June 24 in Palm Springs. AZ3 Gillie, who has been at China Lake for 3 1/2 years, ended a 4-year tour of active duty in the Navy today but plans to remain in the local area. A member of the NWC drill team since January 1976, he received a going-away present of a plaque and photo of his fellow drill team members.



Lt. Charles H. Schneider

### The Rocketeer

Official Weekly Publication Naval Weapons Center China Lake, California Capt. Frederic H.M. Kinley NWC Commander R.M. Hillier Acting Technical Director Dr. Robert H. Pearson



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## Ridgecrest, China Lake Little Leaguers to clash here Tues.

The Yankees look like a cinch to win this year's matchup between the Major Division champs of the China Lake and Ridgecrest Little Leagues, if only because both teams go by that name which Babe Ruth and the rest of Murderers' Row made famous half a century ago.

Local Little League fans will have a chance to pull for their favorite Yanks at 7:30 p.m. on Tuesday at China Lake's Little League diamond No. 4, located across the street from the Federal Credit Union.

The China Lake Yankees, with manager Steve Kaupp and coach Jim Means in charge, won both halves of their Major Division season with a combined 13-3 record. Leading hitters—all close to the .400 mark—are Daniel Means, Mark Kaupp and Kevin Blecha, and the mound victories were split between pitchers Means and Kirk Cathey.

Kaupp, however, in speaking of his players, emphasizes, "There were not just one or two players who were crucial to our wins. For instance, in the championship game against the Red Sox on June 23, our 11 hits were distributed among nine players. A real team effort characterizes our play."

After clinching the championship of the first half of the season with a 7-2 record, the Ridgecrest Yankees placed second in the race for the Major Division crown in the second half, also with a 7-2 mark. They then defeated the Rangers, the second half winners, in a championship game held last Tuesday, by a score of 14-6, thanks to a 12 run first inning.

Manager Dave Paradise singled out four key players on his team: Duane Thomas, who sported an 8-0 pitching record over the course of the season and who, as leading RBI man, batted a hefty .475; Todd Owens, holder of a .500 batting average; Jim Paradise, whose good eye accounted for 30 walks and led to a .350 batting average; and Mike Braithwaite, who was not only a pitcher and catcher, but also team leader.

## Tryouts slated soon for MDISL slow pitch team

Tryouts will be slated soon for the Naval Weapons Center's entry in the Mojave Desert Inter-Service League slow pitch softball tournament, which will be held Aug. 19 through 21 at Nellis Air Force Base, Las Vegas, Nev.

Interested persons should contact Ernie Paiz, coach of the China Lake team, as soon as possible, by talking with him in person at Schoeffel Field on Monday through Thursday nights from 6 until 10 o'clock. In interested players can be left with the Schoeffel Field score keeper at the above times.



**TROPHY PRESENTED** — Capt. Frederic H. M. Kinley (at left), NWC Commander, presents the Athlete of the Year trophy for excellence in Admiral's Cup competition to AZ3 Sam Goode, while NWC Athletic Director Doug Nelson looks on during a recent ceremony. Goode, a member of the NWC North team, collected a total of 34 points over the course of the Admiral's Cup competition, while Lt. Phill Fossum of NWC South was second with 28 points. At Minvielle Park last Friday, NWC North won the last Admiral's Cup event of the year — a mini track meet — to add five points to its overall score and end the 1976-77 competition with a total of 29, to put them in a tie for second place with VX-5. Winning the competition, with a total of 39 points, was NWC South, which placed second in the mini track meet and garnered three points for its efforts. After Friday's competition, Capt. Kinley presented the perpetual Admiral's Cup trophy to Lt. Fossum and a number of his NWC South teammates. —Photo by Ron Allen

## Shacklett's maintains perfect record in Men's Slow Pitch Div. competition

By Doug Nelson and Anita Paiz

It was more of the same last week for the Shacklett's softballers, as they chalked up two more victories to maintain their lead and perfect record in the Men's Slow Pitch Division of the Intramural Softball League. Shacklett's had a surprisingly difficult time squeezing by the previously unimposing Ten Commandments team, 10-9. For the Commandments, who came up just one run short of their name, Mike Verner had a brunt-tripper while Phill Fossum, Tom Van Brunt, Mike Barnett and Ron Hill were all three-for-four. Gordie Irvin, Duane Stevenson and Paul Harris were home run hitters for Shacklett's.

Coming up against the Zephyrs in their second game of the week, the division leaders came out on top of this slugfest, 21-18, thanks to Irvin's three homers and eight RBIs, while Stevenson chimed in with two fence-busters and 4 RBIs. Gary Brown of the Zephyrs hit two home runs and collected 5 RBIs in a losing cause, and his teammate Tim Strawmyre added another home run to the night's total.

Pizza Villa, by collecting a total of 25 hits to 11 for the Rat Pack, put the Pack away by a final tally of 20-10. The Villa's Ted Bailey and Phil Bowen hit a round-tripper apiece, while John Morton was the only Rat Pack to clout one.

The Royals got by Bird Olds, 23-22, thus handing the latter their sixth straight defeat. Pat Cramer and Dave Crandell had home runs for the winners, while Rollan Jones hit two for the losers.

In another close game, the Knights slipped by NALC, 19-18. The contest wasn't decided until the seventh and final inning, when NALC's Jerry Crow, in the top half of the frame, hit a grand slam home run to make the score 18-15, but the Knights came charging back with five singles in their half of the inning to add four runs to their total and put the game away.

The final game of the week saw Grand Good buzz through Pizza Villa, 21-11, thanks to home runs by Doug Nelson, Art Lloyd, Mike Machowski and Jack Hathaway and other stellar hitting performances from Mike McFarland, Ken Rogers, and Ernie Paiz. The Villa's fencebusters were Mike Dowd and Phil Bowen.

### Women's Division Results

In a very one-sided affair, Desert Meats crushed AVANT, 13-1, as Claudia Kleinschmidt's three hits helped her team stay well in the running for a shot at the Women's Fast Pitch Division title. The AVANT softballers recouped in their next contest, however, to hand CSC a 10-5 loss.

One of the real battles of the week occurred when Murray Construction and Best Realty locked horns in a game which wasn't decided until the final inning, when the Murray gang tied the score and also put the winning run across the plate to earn an 18-17 victory. Sandy Depew was the leading batter for the winners, with three hits.

In other Women's Fast Pitch Division action, Gina LaMarca threw a one-hitter to help Brand X destroy the Dusty Dames, 15-2; AK Sparks edged Murray Construction, 15-14, thanks to three hits apiece by Sando Moreno and Carol Daniels; and Pat Brightwell led the way with a home run and two other hits as Comarco remained undefeated by beating T.J. Frisbee, 19-6.

### Athletic Association cards

All persons using or wishing to use the gymnasium facilities at the Naval Weapons Center are reminded that they are required to have an Athletic Association or Youth Center card in order to do so. Active duty military personnel are exempt from this requirement.

Athletic Association cards may be obtained from the gymnasium office on weekdays between 9 a.m. and 2 p.m., while Youth Center cards are available at the Youth Center on Monday through Friday from 9 a.m. until 7 p.m.



Doug's Corner

## Final hunter safety class of year to be offered July 30-31

The last hunter safety class of the year to be offered in the local area will be given on the weekend of July 30 and 31 by volunteer instructors from the Sierra Desert Gun Club at their facility on Sportsman's Lane.

California law requires that anyone wishing to obtain a state hunting license for the first time attend and pass this course. Subjects to be covered include firearms and archery safety, hunting ethics, wilderness survival, laws and regulations, and game conservation and management. Students will also walk a one-mile trail which simulates actual field conditions while hunting.

Interested persons may register at the Youth Center at a cost of \$5, \$4.50 of which is refundable upon completion of the course — a precaution against no-shows. Participants must attend 10 full hours of instruction, beginning at 8 a.m. on Saturday, July 30, and continuing on the following morning.

### Softball Tournaments Slated

Two major softball tournaments are due to be held at China Lake during the last part of this month and early August.

A men's slow pitch tourney will be held July 29 through 31. Entry fee is \$75 per team, and signups may be made, or more information obtained, by phoning the gymnasium office at NWC ext. 2334 or by calling Lowell Radcliff, NWC ext. 2406.

On Aug. 5, 6 and 7 a women's fast pitch tournament will be held here. Registration for this event, which requires an entry fee of \$65 per team, can be made by phoning the gymnasium office, or contacting Tom Fortney at NWC ext. 2330.

### Swimming Lessons

A new group of swimming classes for children will begin at the Commissioned Officers' Mess pool on Tuesday and continue on weekdays through July 22.

The classes, which will be taught by Monica Simmons, will accommodate 6 to 9-year-old youngsters from 9 to 9:45 a.m., and 4 to 5-year-olds from 10 to 10:45. Course fee is \$10 per student.

Registration for the classes will be held at the COM pool on Monday from 9 until 11 a.m., and prospective students are required to bring swim suits for screening. Further information may be obtained by phoning NWC ext. 2334.

## Three China Lake Bowmen do well in tourney at college

Three members of the China Lake Bowmen finished at the top of the 900 round archery competition which was held recently at Cerro Coso Community College.

Winning first place in this local event was Bob Stedman, instructor of archery at the college, who scored 833 out of a possible 900 points. Placing second was his student, Sybald Loth, with a 761, and third was his wife, Sheila Stedman, with a 759.

Participants shot at targets which were placed at distances of 60, 50 and 40 yds. A similar event is slated at the college later this month.

Also scheduled for July is the grand opening of the China Lake Bowmen's new indoor range on McIntire St., at which weekly shoots will be held. Persons interested in learning more about the club can call Stedman at 375-4679 after 5 p.m.

## AD1 Clifford Rupe selected as June Sailor of Month by VX-5

Aviation Machinist Mate First Class Clifford W. Rupe, a native of Chillicothe, Mo., has been named Air Test and Evaluation Squadron Five's Sailor of the Month for June.

Supervisor of VX-5's Power Plants Work Center for the past month, AD1 Rupe is in charge of a group of 11 personnel who are responsible for repairing and maintaining six different types of aircraft engines. In addition, he is a designated C-1A Cod plane captain and air crewman, and a Power Plants collateral duty inspector.

"I like my job very much," says AD1 Rupe, "because it always changes. Every day, different things happen to the engines, and this puts us to work. It's as good as any job I've ever had."

According to his skipper, Capt. L. E. Giuliani, his "professional qualifications make (him) one of the command's most versatile and valuable maintenance technicians and are an indication of the extra effort" he routinely displays in the performance of his duties. In addition, says Capt. Giuliani, AD1 Rupe has done much to enhance the professional and military development of his entire work center.

The 15-year Navy veteran enlisted in the service in April 1962 in St. Louis, Mo., after having worked in a nearby glove factory. He says he chose the Navy because he had always been interested in airplanes.

After attending boot camp at San Diego and "A" school at Memphis, Tenn., June's Sailor of the Month reported to Naval Station Argentina, Newfoundland, where he was assigned to the Aviation Intermediate Maintenance Department. His one other overseas duty station was the Iwakuni Marine Corps Station, Japan, where he was with the Naval Air Support Unit which supported the aviation requirements of the Commander Naval Forces Korea.

Following the close of his three-year assignment in Japan, AD1 Rupe arrived at China Lake in January 1975, and has worked with VX-5's Power Plants Work Center ever since then.



AD1 Clifford W. Rupe

AD1 Rupe says he has enjoyed living in the China Lake area "because I like four-wheeling, hunting and fishing, and all this is real close for me here." He also bowls with the Hard Times team in the Wednesday Night Military League at Hall Memorial Lanes.

AD1 Rupe's selection as sailor of the Month has earned him a 72-hour liberty pass, one duty-free month, a parking spot near the hangar, a squadron plaque and a letter of commendation.

## RAdm. Harris . . .

(Continued from Page 1)

He then left the nation's capital to serve as executive officer of Attack Squadron 76, operating from the USS Enterprise, until July 1963, when he was singled out to command the first Fleet squadron of A6-A Intruders — a post he held until May 1964 when he was detached for nuclear power training.

Upon being designated a nuclear power plant operator, the next Commander of the Naval Weapons Center served as operations officer on the USS Enterprise (the first nuclear powered vessel to be deployed in Vietnam), and was awarded the Bronze Star Medal for the period from December 1965 to June 1966.

For more than 1½ years, RAdm. Harris then handled the duties of executive assistant and naval aide to the Assistant Secretary of the Navy for Research and Development — prior to assuming command of the USS Alamo, an amphibious craft that received the Battle "E" while RAdm. Harris was its Commanding Officer during amphibious combat operations in Vietnam.

### Additional Honors Received

A year-long assignment that began in May 1970 as Force Readiness Officer on the staff of the Commander Naval Air Pacific was highlighted by the awarding to RAdm. Harris of the Meritorious Service Medal, and, in June 1971, he assumed command of the USS Midway and served as Commanding Officer of this aircraft carrier during 1971 and 1972 cruises off Vietnam.

The USS Midway and Carrier Air Wing Five received the Meritorious Unit Citation and Presidential Unit Citation for these deployments, and RAdm. Harris was awarded the Legion of Merit.

Other assignments that RAdm. Harris has held before assuming his present duties as the Naval Air Systems Command's Assistant Commander for Test and Evaluation include Director of the Tactical Air, Surface and Electronic Warfare Development Division in the Office of the Chief of Naval Operations; Commander of Carrier Group Seven during the final evacuation of South Vietnam; and Commander of Attack Carrier Striking Force Seventh Fleet and Carrier Group Five during deployments in the western Pacific.

RAdm. Harris, whose home state is California, is married to the former Jean Odence, of Great Neck, N.Y. They are the parents of five children — Liz, Bill, Maureen, K J, and Mary.



**SUN'S ENERGY USED** — Principal features of the solar heating system at the Public Works Department's Plumbing Shop are a pair of aluminum plate collectors which absorb the sun's energy. These panels are installed on top of the building. —Photos by Ron Allen

## Solar heating system installed at Public Works Dept. Plumbing Shop

A solar heating system has been installed and is now in operation in the Public Works Department's Plumbing Shop.

The unit, which goes under the commercial name of Sun Stream and is manufactured by the Grumann Aerospace Corp. of Bethpage, N.Y., is being used to meet the plumbing shop's domestic hot water needs.

Still in use (as needed) is the plumbing shop's 35-gallon capacity electric water heater.

According to Rick Davis, head of the Public Works Department's Energy Conservation Office, electrical power consumption data on the electric water heater was collected for eight months prior to installing the solar heating system in order to have a basis for comparing electric power usage before and after the installation.

Prior to installation of the solar heating system, the average daily consumption of the electric water heater was 48 kilowatt hours, which equates to approximately \$510 per year for its operation, Davis noted.

For the past seven weeks since the solar heating system has been in operation, the use of electricity to heat water has been reduced to 4 KW hours, or approximately 12 cents worth, the head of the Code 26 Energy Conservation Office added.

## Reminder on abuse of Navy Exchange privileges issued

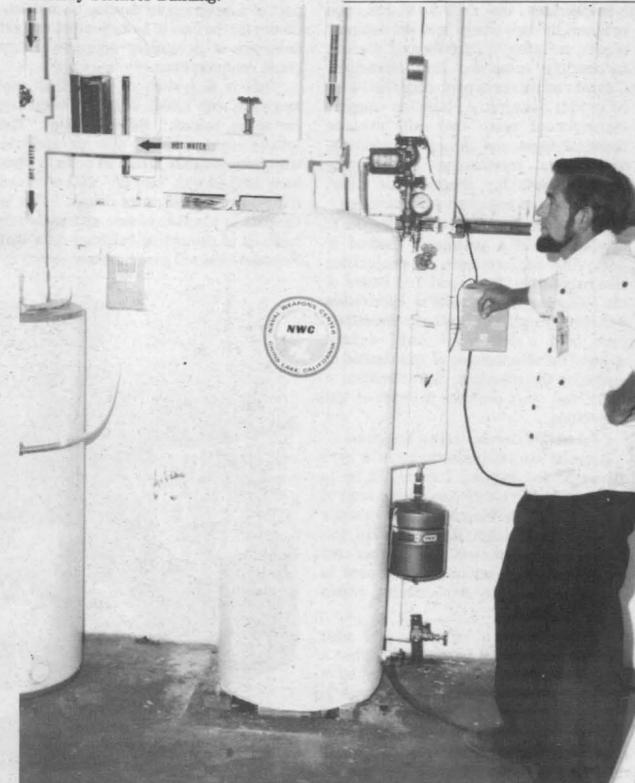
Patronage of Commissary Stores and Navy Exchanges is a privilege accorded specified categories of personnel.

Due to the abuses of such privileges, an instruction covering this matter has been issued by the Commandant of the 11th Naval District which cites not only the problem, but also procedures for handling it.

According to the instruction, the most common forms of abuses of privileges are larceny (wrongful taking of goods, such as shoplifting) and obtaining goods by means of worthless checks.

Other abuses include making purchases for unauthorized persons, lending identification cards and "forgetting to pay."

It is Navy Department policy that privileges shall be suspended or revoked when abused, and that appropriate action shall be taken by local Commanding Officers. Additionally, offenders may be prosecuted in either Federal or military courts for abuses that violate criminal law.



**SOLAR HEATING SYSTEM CHECKED** — Leon Chadwick, plumbing shop supervisor, checks that part of the shop's solar heating system which consists of heat exchanger with an 85-gallon storage tank (on right). Solar-heated water from the storage tank is pumped automatically into the smaller electric water heater tank at left. If water in the smaller tank drops below a certain temperature, there is electric power available to heat it up. However, with the solar heating system in operation this is seldom necessary.



**FUNDAMENTALS STRESSED** — Gathered for a recent session of the junior golf clinic now being conducted at the China Lake golf course are (l.-r.) Jeff Markarian, instructor Paul Someson (course pro), Greg Markarian and Steven Segovia. In the background, having already heard this lesson many times before, is the course mascot, Jude. Instruction began June 22 for young golfers between the ages of 9 and 17, and signups can still be made for the final class, which is slated next Wednesday, by phoning Someson at NWC ext. 2900. —Photo by Ron Allen

## NWC employees involved in varied work on aircraft guns, ammunition . . .

(Continued from Page 1)

20mm ammunition. He expects also to get involved with further prototype work on new ammunition handling systems for use with future Fleet aircraft.

Reflecting a branch-wide concern with inter-service communication for maximum interoperability and interchangeability of gun system components, Hickie stressed that ammunition packaging, as well as ammunition, should be common to all three services in order to reduce logistics problems. So that important channels of communication may be kept open, Hickie plans in the future to do much more interface work with Army and Air Force packaging experts and with Fleet personnel who have an ammunition packaging need.

### Procedures Spelled Out

Ammunition designer for the branch is Bob Juarez, who has also been working with Melsted in developing procedures and specifications for the 20mm MK 100 series ammunition now in the Fleet. "This ammunition is 25 years old and has never had documented range firing acceptance test procedures spelled out before. Now that the procedures have been documented, we'll validate them by using target practice ammunition on K-2 Range," Juarez said.

Juarez has also prepared a cost estimate for converting Navy MK 12 guns that presently use MK 100 series ammunition to M50, the tri-service and NATO standard

Working together on gun systems are Jack Bates, who does system exploratory and advanced development work, and Art Clayton, aircraft gun designer and project engineer for the GPU-2A gun pod. "Whenever our small office goes into a program, we get involved in the whole thing," Bates said. "We may farm out the things we can't do, but we keep the control. We've had quite a hand in provisioning — determining what level of spare parts are necessary to support a system through its life. And one of our specializations is proper technical data packages — drawings and specifications, including provisions for maintainability, reliability, and safety. At the same time, we get our hands greasy too."

Constantly aware of changes in aircraft design, Bates and Clayton must be knowledgeable in how gun systems interface with airframes. Ideally, airframe design trade-offs consider the gun system early enough to optimize it in relation to the overall aircraft design. Often in practice, however, insufficient attention is paid to the gun system.

"The Navy is currently showing a renewed interest in aircraft guns; guns have proven to be a superior weapon for certain types of tactics now used. We're trying our best in this branch to see that new airplanes still on the designer's table will have the best gun, ammunition, and ammunition handling systems available," Bates said.

### Expert in Gun Design

Such an airplane is the new Harrier AV8-B, for which, after engineering analysis of all possible gun systems, Clayton is now proposing optimum gun systems installations. Characterized by Miller as "one of the best gun designers in the business," Clayton has designed new concepts, such as the liquid propellant gun and its suggested aircraft installation, and has also redesigned existing systems to meet a new need, such as his modification of the A4M gun system to fire NATO and tri-service-common M50 20mm ammunition rather than Navy-peculiar ammunition.

Shepherding the GPU-2/A gun pod program through design and development phases, including a 100,000-round life test successfully completed last November, Clayton now serves as part of the GPU-2/A Navy-wide integrated logistics support management team that will provide technical input and advice on manuals, spare parts, provisioning, and training connected with the program, for which PMTC now has engineering cognizance.

Among other projects of this busy office is development of a patentable method of analyzing performance of projectiles electro-optically. Bates and Ted Bailey of the Weapons Department's Electronics Systems Branch, the method's inventors, have built a feasibility model demonstrating the effectiveness of this method of analyzing the velocities, characteristics of flight, and exact positions in space of test projectiles.

**Feasibility Demonstration Scheduled**  
Bates is also enthusiastic about a gyro boresight and aligning fixture that he is developing with Gerry Kovalenko, head of the Systems Development Department's Mechanical Design Branch. With the feasibility model presently about 50 per cent completed, Bates and Kovalenko hope to conduct a feasibility demonstration within about 3 months.

"If this works, it will have very wide applications," Bates said. "Today, when a pilot has made about six landings on a carrier, he has to fly his aircraft back to shore in order to find stable ground on which to align guns, launchers, rocket pods, and avionics systems. Our new fixture will allow reference to a definite armament data line by boresighting the guns and rocket launchers with the aircraft, so that these systems can be aligned even as the ship pitches and rolls."



**HELPFUL TOOL** — A boresight tool helps Bill Hickie, an employee of the Gun Systems Branch, to aim a barrel from the seven-barrel GAU-8 aircraft gun. Recent tests on K-2 Range have helped the branch in evaluations of 30mm ammunition used in this gun system.

round. Another tri-service project on which Juarez is working is the design of an armor-penetrating 25mm round that all three services can use. He is also involved in writing a report for the Joint Technical Coordinating Group's Working Party for Guns (of which Paul Miller is a member) on the XM-714 fuze.

### In Charge of Exploratory Work

Exploratory and advanced development work on aircraft guns and ammunition are handled by John Ward. His primary interest, Ward said, is in "looking at new ideas to improve old systems or new systems to give quantum jumps in the effectiveness of guns and ammunition for Navy and Marine aircraft."

Ward is now looking at the unique applications of a new type of high-burning-rate propellant to use in gun ammunition. One of these applications is for a large caliber recoilless aircraft gun. This gun utilizes new technologies of a recoilless traveling charge concept and lightweight barrel construction techniques to evolve a light-weight large-caliber aircraft weapon. Other applications are a consumable plug for a tubular projectile and a traveling charge projectile concept.



**AMMUNITION STUDY** — Paul Miller (standing), head of the Gun Systems Branch, Code 3123, and (seated left to right) Bob Juarez, Marino Melsted, and John Peterson, all members of Code 3123, discuss a round of 25mm ammunition that is being considered for the Harrier AV8-B aircraft. Proposing and developing gun systems and ammunition that suit mission requirements are important functions of this branch, as is support of various gun systems once introduced into the Fleet.

—Photo by Ron Allen

allowing a computer determination of the best approach before a round is designed.

Branch secretary Wanda Fifer provides valuable support to the other nine members of the Gun Systems Branch by keeping the paperwork flowing smoothly. She has also performed editorial clerk functions, turning out publication-ready manuscripts like a 100-page TP recently completed by Fung. Helping the Gun Systems Branch to function as an efficient and self-sufficient unit, she also provides occasional unusual support, such as preparing graphs and devising new special-purpose forms.

### Dance, other activities scheduled at The Shuttle

The Stumpbreakers, a local soft rock band, will be playing for patrons at The Shuttle (Enlisted Club) tonight from 9 until 1 a.m. Dinner special for the evening is T-bone steak.

On Saturday night, Ron Penny will be playing disco music from 9 to 1. The dining room will be closed.

Beginning at 6 p.m. on Monday, The Shuttle will host a women's pool tournament.

Family dinners are served every Wednesday night from 6 to 8:30. The price of \$1.50 for adults and \$1 for children entitles diners to all the spaghetti they can eat.

On Thursday, July 14, The Shuttle will be serving a special dinner menu featuring Lizzie's beef stronganoff from 6 to 8:30 p.m.



**BUSINESS IS PICKING UP** — A machine for shredding aluminum cans, which has been installed at the community recycling center, is shown being operated by Robert Pooler and Craig Davis, two of the center's volunteer workers. Also being collected at the recycling center, which is being operated under the direction of a Employee Services Board committee, are glass bottles and old newspapers.

## Care needed by both bicycle riders, vehicle operators to avoid mishaps

By Billie Hise

A recent bicycle-car accident on the Naval Weapons Center re-emphasizes the need for bicycle riders and vehicle operators to take extra care to insure an accident does not happen.

In this case, a 10-year-old was transported to the hospital with apparent injuries. No one can assess the physical or emotional trauma experienced by the youngster or the driver.

As a cyclist, do take care. The National Safety Council reports that four out of five bicycle-car accidents are caused by cyclists who disregarded traffic rules. Ride on the right side of the roadway in the same direction as other traffic, and ride in single file.

Make sure it is safe to move before you start out. Remember, the sun may be in a driver's eyes and he may not see you, or he may be thinking of something else and not looking for bicycles. Try to walk your bike across all busy intersections; then you are a pedestrian and most drivers will stop and allow you to cross.

### Give Bicycles Ample Room

As a motorist, even if you don't see a bike, think "bike" anyway. It may be that you have overlooked one. Keep checking. Give the cyclist the same rights as other vehicles on the road, particularly when passing. Pass them as you would pass a car. Give them room.

Check at the intersections for all traffic and especially for the car that might turn across your path, whether the car is turning left or right. Always stop for stop signs. Use standard hand signals required of all vehicle operators when turning or stopping on a road or street.

Be prepared for the problems of the cyclist, right or wrong. Some of them may weave or even fall down. Watch for those riders who ride against traffic. Even though it is illegal, some of them may try to ride like they walk as a pedestrian. This can be a real problem at an intersection.

Some other problems at intersections can occur when the rider makes a left turn from the bike lane. Always check to your right rear before you make a right turn across a

bike lane so that you don't trap a bicycle rider between your car and the curb. When you are turning left, check in all directions for bike riders as well as for a car.

At night a bicycle rider is sometimes very hard to see. The reflectors required on wheels and the reflectors on pedals on new bikes help a lot. Head lights and tail lights are required at night but some lights are dim or small and hard to see. How are the lights you are using?

By the way, bike riders must use the bike lane when one is provided and regular motorized vehicles must stay out of the bike lanes except when making a right turn at an intersection, or in case of an emergency.

Check carefully whether you are on a bike or driving a four wheel vehicle. A 40-lb. bicycle with a rider doesn't have much of a chance against a 2,000 lb.-car or truck. Don't take chances. Take care.

## Navy Wives Club plans for meeting with Cong. Ketchum

Preparations will be made at next week's meeting of Desert Flowers Chapter No. 125, Navy Wives Club of America, for a visit here later this month by Congressman William M. Ketchum, 18th Congressional District representative.

This business meeting of the Navy Wives Club will be held on Thursday, July 14, starting at 7:30 p.m. at the group's hut at 415-A McIntire St., China Lake. All wives of active duty or retired non-commissioned Officers of the Navy, Marine Corps and Coast Guard are invited to attend.

The special get-together with Congressman Ketchum is scheduled at the same time and place on Thursday, July 28. He is coming here to listen to and answer questions about military benefits and possible changes in them.

Featured speaker at the last meeting of the Navy Wives Club was Chaplain Joseph Wambach, who discussed the Desert Counseling Center's programs and the need for public support of DCC's current building fund drive.

Additional information about the Navy Wives Club can be obtained by calling either Linda Fleegeer at 446-4233, or Sherry Crowson at 446-5700.

## Parents reminded to schedule physical exams for children

Military personnel who have youngsters who will be entering either kindergarten or the first grade in the fall are reminded that a physical exam for their child is mandatory prior to the start of the new school year in September.

An appointment for such an examination can be made by calling the Pediatric Clinic at the Naval Regional Medical Center's Branch Hospital, ph. 2911, ext. 40.

Parents' cooperation is requested in bringing their child in early for this examination, which is a prerequisite for enrollment in public school.

Physical exams for young people who plan to compete in various school athletic programs next fall will be provided during the summer months.

## New preventive dentistry program initiated by Navy

Secretary of the Navy W. Graham Claytor, Jr., has initiated a new preventive dentistry program that requires all Navy personnel to have an annual dental and periodontal examination.

All Navy commands have been directed to ensure that their personnel receive their annual check-up.

Active duty personnel also are required to have a yearly stannous fluoride treatment that can be either self-applied or professionally applied.

Details are in SECNAVINST 6600.1B.



**VISITOR FROM CNO** — Some of the many weapons or systems that are a part of the display in the lobby of Michelson Laboratory which represents some of the accomplishments of the Naval Weapons Center are shown to Rear Admiral J. F. O'Hara (at right) by Capt. Frederic H. M. Kinley, NWC Commander. RAdm. O'Hara, who is Director of the Tactical Air, Surface and Electronic Warfare Development Division in the Office of Chief of Naval Operations, was here last week for a day-long briefing about on-going programs ranging from AIM-9L product improvements and Fuel Air Explosive II to the supersonic tactical cruise missile and tactical aircraft systems support.

—Photo by Ron Allen

## Dinner in observance of Nat'l Space Week planned July 22

U.S. National Space Week, which is observed annually to commemorate the first manned lunar landing, is scheduled this year from July 17 through 23.

Highlight of the local observance will be a dinner and program at the Commissioned Officers' Mess on Friday, July 22, that is being arranged by local chapters of engineering societies that have formed the High Desert Engineering Association (HDEA).

Featured speaker for the program that will follow the 7 p.m. dinner will be Dr. A. H. Lawson, a professor of English at Cal-State University in Long Beach, whose topic will be "UFOs: The Evidence — Such as It Is."

Dr. Lawson teaches one of only a few courses on UFOs (unidentified flying objects) offered for credit in a U.S. college or university. In addition, he operates the UFO Report Center in Orange County — a 24-hour "hotline" answering service for UFO reports.

For those who make reservations to attend the U.S. National Space Week dinner no later than Friday, July 15, the price will

## General Educational Development tests scheduled at college

General Educational Development (GED) tests will be administered to non-high school graduates on Thursday and Friday, July 14 and 15, by Cerro Coso Community College.

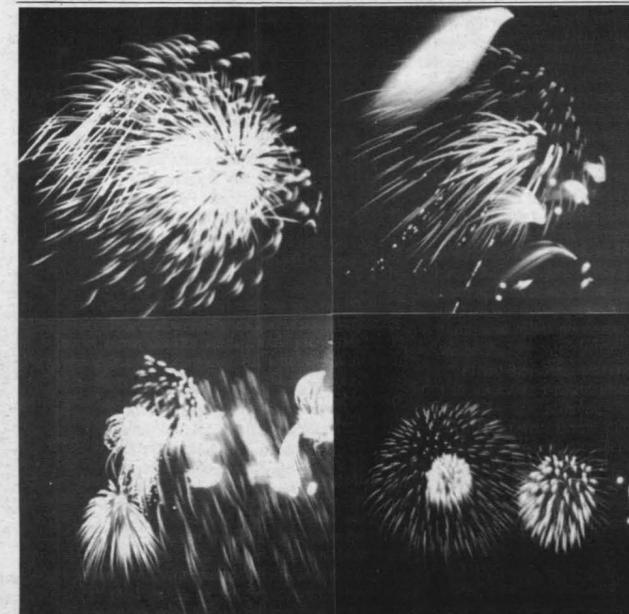
Individuals must be 18 years of age or older in order to be eligible to take the examinations which provide a valid means of measuring educational achievements in the areas of English, social studies, natural sciences, literature and mathematics.

Two days are required to complete the battery of tests. Testing hours are 8 a.m. to 3 p.m. on July 14, and 8 a.m. to noon on July 15.

California state certificates of equivalency indicating an educational achievement at the high school level can be applied for by persons successfully completing the series of GED tests.

Examinees are charged an advance fee of \$7.50 to offset expenses in monitoring and scoring the tests.

Reservations to take the GED tests will be accepted through next Wednesday, July 13, in the Cerro Coso College Counseling Center. Additional information can be obtained by calling 375-5001, ext. 34.



**JULY 4th FETE ATTRACTS THROG** — This year's communitywide celebration of the Fourth of July attracted a throng estimated at more than 3,000 persons to the Desert Empire Fairgrounds in Ridgecrest on Monday afternoon and evening. In addition, many hundreds of others parked their cars nearby in order to be close to the scene when the fireworks display began at around 9 p.m. Tony Martin, manager of the Desert Empire Fair, reported that the Independence Day fete was enjoyed by the young and old alike. The most popular competitive event was the tug-of-war that ended with the losing team being dragged across a ditch filled with muddy water. To show their appreciation at the conclusion of the pyrotechnic display, which lasted for more than 20 min., those in attendance on the fairgrounds stood up and applauded. Next year, he hopes for an even bigger and better Fourth of July celebration at the fairgrounds in Ridgecrest, Martin said.