

Library Week...

(Continued from page 2) ing can no longer serve our needs," she advised.

At China Lake, where enlightenment and looking beyond the scope of the simple, are part of the everyday, the Center Library grows more diverse each year. In addition to a fine general library collection, which is constantly expanding, the library carries 100 magazines.

Several new titles have been added, such as Coins; Ceramics Monthly; Harvest Years—directed to those in or near retirement; Ladycom—directed to Navy wives; Organic Gardening & Farming; Weight Watchers; Woodall's Trailer Travel Magazine; and The California Journal—covering state government and politics.

The library subscribes to 18 different newspapers, covering all sections of the country. Among these are the Christian Science Monitor, The Washington Post and The Chicago Tribune, as well as the Wall Street Journal, Barrons, and several local papers.

Readers are reminded that all employees, regardless of residence, are eligible and most welcome to use the Center Library. Hours are: Monday through Friday, 2 to 9 p.m.; Saturday, 10 a.m. to 6 p.m.

A convenient bookdrop near the main entrance is open when the library is closed.

The Center Library is part of Special Services Division, headed by O. A. (Gabe) Imer, director of Special Services.

Area IV Kern Art Festival Set April 22-23

The Area IV show of the Kern County Art Festival will be held on the weekend of April 22-23 at the Community Center.

The hours for the show will be Saturday, April 22, from 2 to 8 p.m., and Sunday, April 23, from 11 a.m. to 6 p.m. Area IV includes entries from Inyokern, China Lake, Ridgecrest, and that portion of the Rand District located in Kern County.

The show is sponsored locally by the Desert Art League, which hangs the paintings and financially underwrites the costs. Original art work from kindergartners through adult levels will be on display.

Judging will be done by a team from outside the local area and blue ribbon winners then compete with other area winners for county awards at the finals to be held next month in Bakersfield.

Co-chairmen of this year's local art show are Lorraine McClung and Richard Johnson.

Top Las Vegas Group To Play at 'Roger'

Bob Furey, manager of the Jolly Roger (EM Club) announced that a top rock group from Las Vegas will provide the music for dances to be held at the club tonight and tomorrow night.

"The music will begin at 9 both nights and continue until 1:30 a.m.," Furey said. The Jolly Roger is currently celebrating its first anniversary and Furey also stated that Happy Hour prices will prevail daily for the balance of the week.

All members and their guests are invited to the dance.



TO PLAY TWICE MORE—Jeanne Gritton, as Eliza Doolittle, and Jack Chandler, in the role of Professor Higgins, discuss the uses of a handkerchief in this scene from "My Fair Lady." The Lerner-Loewe production will be staged again tonight and tomorrow night at the Burroughs High School Lecture Center. Curtain time is 8:15 both nights. Tickets, priced at \$1.50 for general admission and \$1 for students, are available at The Gift Mart in Ridgecrest, the Station Pharmacy, the Desert Campus office, or at the door. Theater 27 of Bakersfield College, Desert Campus is the producer of the show and Pat Schwarzbach, instructor of speech and drama, is the director.

Watercolor Artist To Present Workshop

Milford Zornes, nationally known watercolorist, will present a workshop for the Desert Art League this weekend.

The Friday evening portion, which is a lecture-demonstration of techniques in watercolor, will be held at the Community Center, starting at 7 p.m., and will be open to the public. Non-members of the Art League will be asked to contribute a donation toward meeting the expenses of Zornes' program.

The artist currently resides in Mt. Carmel, Utah, during the summer months when he conducts workshop classes at his residence which attract artists from all over the United States. His time during the rest of the year is devoted to the collections of the Metropolitan Museum of Art in New York, UCLA, the National Academy of Design and the White House, exhibitions and competitions. Zornes' teaching career has included work at the Otis Art Institute in Los Angeles, Scripps

College in Claremont, Pomona College, University of California at Santa Barbara, and at the Rex Brandt Summer School of Painting in Corona del Mar. Some of his paintings are included in the collections of the Metropolitan Museum of Art in New York, UCLA, the National Academy of Design and the White House, as well as in private collections.

In 1963, Zornes was awarded the Medal of Honor at the 96th annual American Watercolor Society show in New York. He was elected an associate of the National Academy of Design in 1964 and his professional memberships include the American Watercolor Society, past president of the California Watercolor Society, and the West Coast Watercolor Society. His name is listed in Who's Who, Who's Who in American Art, and in World Biography.

The Desert Art League sponsored a workshop with Zornes several years ago and he has been asked back because he offers his students a variety of painting techniques in addition to personalized instruction.

Three Way Street To Play for Dance At Chaparral Club

The Chaparral Club (for 1st and 2nd Class Petty Officers) will sponsor a dance tonight from 9 o'clock until 1:30 a.m. Walt Schimke, manager of the club, has booked "Three Way Street," a very popular group in the local area, to provide the music.

Schimke invites all members and their guests to come to the club tonight for an evening of fun and entertainment.

"MAME" REHEARSES—Bea Goode Moore (right), who will play the lead role of "Mame," in the production of the same name, is shown in rehearsal with Rick Howell, young Patrick in the play. They are singing "Open a New Window," one of the best-known of Mame's songs. The Community Light Opera and Theater Association spring production is slated for the Burroughs Lecture Center stage on April 28 and 29, and again on May 5 and 6. Curtain time is at 8:15 each night. Tickets, priced at \$2.50 for general admission and \$1.25 for children, are available from members of the cast, or at The Gift Mart in Ridgecrest, or the Station Pharmacy. Season tickets, good for all three CLOTA productions planned this year, also are available from any member of CLOTA. Persons interested in obtaining season tickets are asked to call Charlotte Paulsen, at 446-5174. There are many different packages and prices available for season tickets. —John Dunker Photo

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

FRI. 14 April "CHEYENNE SOCIAL CLUB" (103 Min.) James Stewart, Henry Fonda.

Shirley Jones (Western-Comedy) Shaggy Texas cowpokes ride to Cheyenne when one inherits an estate. It turns out to be the town bawdy house and they divide their time evicting and protecting the girls! A super rib-tickler. (PG)

"RAGTIME BEAR" (7 Min.)

SAT. 15 April

"MATINEE" "RINGS AROUND THE WORLD" (79 Min.) Don Ameche

"SKELETON FROLICS" (7 Min.)

"PAUL BUNYAN" (14 Min.)

"EVENING" "THE MAGIC CHRISTIAN" (90 Min.)

Peter Sellers, Ringo Starr (Comedy) A wildly wacky, way out put-on of man's utter greed in episodic scenes of a Hamlet strip-tease, going hunting with a Tommy Gun, phoney auction and the kookiest snip party every held! High camp fun! (PG)

"BIG SURF" (10 Min.)

SUN. & MON. 16-17 April

"LADY & THE TRAMP" (78 Min.)

Disney feature cartoon Special Matinee Sunday.

April 16 at 1 p.m.

(Cartoon) Lady is a lovable puppy whose adventures and mishaps make a fine change-of-pace film as she fights for affection against her master's baby and then saves the infant's life. Peggy Lee sings. (G)

"BOY & THE EAGLE" (48 Min.)

TUES. & WED. 18-19 April

"CHASTITY"

Cher, Barbara London (Drama) The sweetheart of the TV tube proves here that she's a splendid actress as she portrays a hitch-hiking hippie innocently (?) trying to find her soul after a horror childhood. Rough language. (R)

"PINKADILLY CIRCUS" (7 Min.)

"DIXIE GOLF TRAIL" (15 Min.)

THURS. & FRI. 20-21 April

"MOON ZERO TWO" (100 Min.)

James Olson, Catherine Von Schell (Science-Fiction) Life on the moon in 2021. Here's a "moon western" as folks get homestead grants on the moon and Olson runs a salvage business on Mars. See the 6000 ton sapphire asteroid, Lunar Corral. (G)

"OF SEA & SHIPS" (9 Min.)

Retirement On Discontinued Service Revised

In order to help minimize the impact of shifts in manpower requirements to meet changes in program emphasis for Fiscal Year 73, the time limitation for approval of Discontinued Service Retirement is extended to June 30, 1973, for eligible Naval Weapons Center employees.

A number of eligible Center employees have retired under the liberalized procedure of the Discontinued Service Retirement thereby materially lessening the impact of shifts in manpower requirements. The requirements to be met by employees wishing to qualify for Discontinued Service Retirement remain the same. Center employees will be informed of the eligibility requirements and the procedures for requesting Discontinued Service Retirement.

Further information on the provisions of Discontinued Service Retirement may be obtained from the Personnel Management Advisors in each department.

Form with fields for 'From' and 'TO' and a 'PLACE STAMP HERE' box.



NEW PREXY CONGRATULATED—Adm. W. J. Moran, NWC Commander, congratulates James H. McGlothlin, newly installed president of the Indian Wells Valley Council of the Navy League, while outgoing president Burke West smiles his approval.

Navy League Installs New Officers for Coming Year

Awards to three men for furthering the work of the Navy League and a warning by Rear Adm. W. J. Moran, NWC Commander, that the United States is being surpassed in maritime strength, highlighted the annual installation dinner for officers of the Indian Wells Valley Council of the Navy League last Saturday evening at the Chief Petty Officers' Club.

Burke West, outgoing Council president, presented the handsomely executed Council president's annual award plaque to William R. Grafeman, for his overall contributions to the Council. Archie Meyer and Robert K. McKnight, Jr., received equally impressive special award plaques from West for their work with the Sea Cadet program.

It's Cleanup Time Now At China Lake

The current clean-up, paint-up, fix-up campaign has moved into high gear as NWC residents can be seen on the weekends busily weeding flower beds, sowing grass seed, repairing fences, and trimming brush and trees.

Richard V. Schultz, president of the China Lake Community Council, this week issued a statement from the Council endorsing the drive. It reads: "The Community Council heartily endorses the current clean-up campaign. It behooves the residents of the Naval Weapons Center to stay abreast of repairs, appearances and conditions of their respective homes and yards, as the desert area in which we live has a way of reducing everything to an arid state if left unattended.

"The green, cared-for appearance of the Center has always been a source of pride to China Lakers, and the cooperation and help of the Housing Division, in supplying the tools and equipment necessary to keep it that way, is an

Statement Substantiated The warning was substantiated by R. E. Bateman, Navy League national vice-president. Bateman said that in February, 1971, Russia could put seven times the number of submarines to sea that Hitler had at the beginning of World War II. In addition, Bateman noted that at current building rates, the Soviets will have almost 50 per cent more nuclear submarines by 1976 than the U.S. "And, Russia has the capability of building twice as many surface ships as the United States can build," Bateman warned.

Council Programs Cited "Your 'Bluejacket of the Year' program is one of the best of its type in the nation," RADM. Moran told the Navy Leaguers. "It adds to the morale of the enlisted men and gives them the recognition they so richly deserve," the NWC Commander stated.

Table listing various events and their page numbers: Musical at Chapel, Animal Control Service, Motorcycle Safety Class, Rocketeer Photo Lab, New Class Schedule, Sports, Water Color Workshop.

Air Quality Problems Studied As Part of Environmental Cleanup Local Effort Far Ahead Of Deadline

For the past several years, military and other government facilities have been actively involved in determining the extent of local and nationwide air quality problems, and possible solutions.

NWC's involvement has covered a wide spectrum, from cooperating with the Kern County Air Pollution Control District (APCD) by permitting APCD personnel to take high volume air samples for the county at the Center, to being one of the major investigators for a forthcoming California Air Pollution Study.

The local program began in October, 1971, far ahead of the deadline set by Executive Order 11507, signed by President Richard M. Nixon on Feb. 4, 1970, which calls for federal facilities to schedule environmental cleanup plans by the end of calendar year 1972. The NWC Aerosol Characterization and Visibility Study, which seeks to determine the sources and conditions contributing to reduced visibility at NWC, was established under the Technology Transfer Program, initiated by LeRoy D. Marquardt, through the Technology Development Division, Systems Development Department.

Further goals of the study are to develop better techniques for predicting when natural and man-made pollutants will decrease the visibility, based on the existing weather regimes in the Indian Wells Valley, and to make recommendations for methods of controlling the man-made sources of pollution—created both by the Navy and the public—which would benefit both the military and civilian communities of the Indian Wells Valley.

Commissaryman Selected As 'Bluejacket of Month'

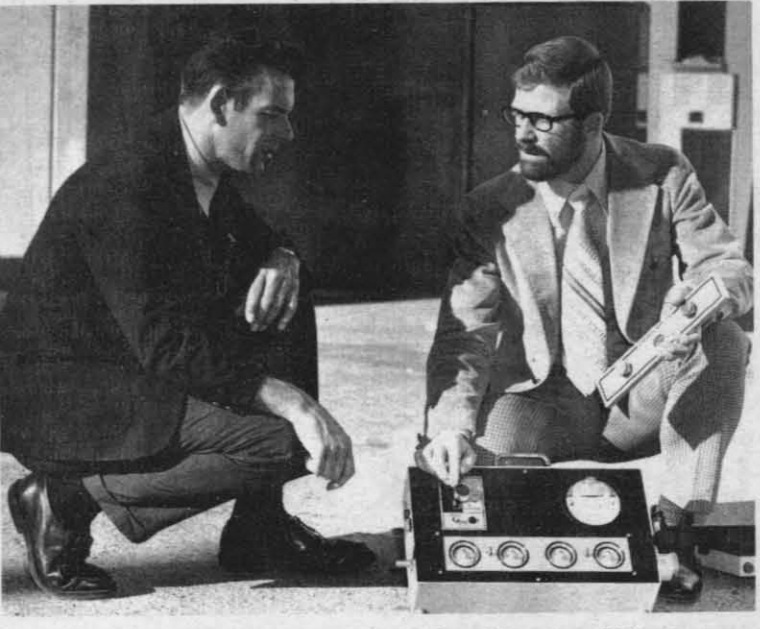
Commissaryman First Class Jack D. Huffman, of NWC, has been selected "Bluejacket of the Month" for April. Huffman is a "Jack of the Dust," at the NWC Main Gallery. (A "Jack of the Dust" issues stores.)

The six year Navy veteran will be treated to a weekend in Bakersfield as a result of his selection. While in that city he will be hosted by the Sands Inn, where he will receive his room and meals.

Prior to leaving here he will be presented with the keys to a new Ford from Desert Motors to use on the weekend trip. After arriving in Bakersfield he will be greeted by representatives of the Greater Bakersfield Chamber of Commerce, who will present him with gift certificates and discount coupons from Bakersfield merchants who are participants in the Bluejacket program.

Huffman's selection guarantees him a spot in the annual "Bluejacket of the Year" finals, sponsored each year by the Indian Wells Valley Council of the Navy League. Huffman and his wife, Reiko, also will attend this month's dinner meeting of the IWW Navy League as the group's guest of honor.

The Las Cruces, New Mex., native, has been at NWC since February, 1971. He came here from the USS Oklahoma City, homeported at Yokosuka, Japan. The Commissaryman first went to Japan aboard the USS Providence, and while there met



DR. RICHARD "RICK" ROBERTS (left) and Dr. Donald McCauley, who head up the project, check out the Lundgren Impactor, which samples the atmosphere by pulling air through it and lodging dirt from the air on mylar foil that covers the drums.

Dr. Richard A. (Rick) Roberts, air pollution control technical coordinator, and Dr. Donald G. McCauley, NWC nuclear physicist, with some chemical analysis by Dr. Peter K. Mueller of the Department of Public Health, Air Industrial Hygiene Laboratory in Berkeley, Calif.

The ultimate goal of the program is to identify the sources and to correlate the local occurrence of

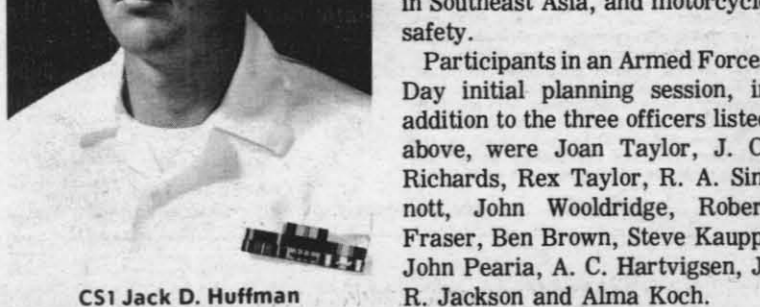
Armed Forces Day Coming Up on May 13

Preliminary planning is now under way for the annual observance of Armed Forces Day, which is scheduled on Saturday, May 13, at the Naval Weapons Center.

"Professionals for Peace" is the theme of this year's Armed Forces Day fete, the plans for which are being coordinated by Cmdr. H. M. Moore, Project Officer at the Naval Air Facility. He is being assisted by Cmdr. P. S. Johnson, representing Air Test and Evaluation Squadron Five (VX-5), and Lt. Cmdr. E. W. Brooks, the NWC representative.

In addition to routine project flight operations by military aircraft, the Armed Forces Day program will include displays set up inside and outside of Hangar 3 at NAF. These exhibits will center on such varied subjects as weapons development programs, the plight of U.S. prisoners of war and servicemen listed as missing in action in Southeast Asia, and motorcycle safety.

Participants in an Armed Forces Day initial planning session, in addition to the three officers listed above, were Joan Taylor, J. C. Richards, Rex Taylor, R. A. Sinnott, John Wooldridge, Robert Fraser, Ben Brown, Steve Kaupp, John Pearia, A. C. Hartvigsen, J. R. Jackson and Alma Koch.



CS1 Jack D. Huffman



NEW OFFICERS ELECTED—A new slate of officers, headed by Susan Heyden, as president, was installed recently by the Indian Wells Valley Newcomers Club. The new officers are (seated, from left) Mrs. Heyden, Marilyn Koelsch, vice-president, and Sheila Snell, secretary. Standing are (from left) Deldee Potts, treasurer; Nani Speakman, publicity chairman, and Linda Scott, telephone chairman. Additional information about the group can be obtained by calling Mrs. Heyden at 446-5485. Plans are now being made for a visit by Newcomers Club members and their families to the petroglyphs that have been found in the Naval Weapons Center range area. A picnic as well as a guided tour of the ancient picture writings is tentatively on the club calendar for Saturday, April 29.

Library Week To Stress Greater Use of Services

"Books Bring People Together" is the theme of this year's National Library Week, to be celebrated April 16 to 22. The national week dedicated to stimulate more individual citizens to greater use of library services, was begun in 1957, and is sponsored by the National Book Committee in cooperation with the American Library Association. "This year's slogan stresses the fact that books enable us to sample the vast wealth of knowledge available to us; to journey through the farthest reaches of the past, present and future, of our world," said Maryon Ward, head librarian

at the NWC Library. "A leisurely trip to the library opens new horizons of growth for decision, action and progress," she added. In recent years, man's knowledge has increased in fantastic proportion to his capacity for depth. The world grows ever smaller through perfections in communication and transportation. "Therefore, we must explore new avenues to expand our awareness of what is happening around and beyond us," the librarian explained. "we have, in America, literally created a manner of living in which a little learner" (Continued on Page 12)

PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Division, Code 452, Extension 2067. Current applications (SF-171) or Standard Form 172 should be submitted bringing your work history up to date if one has not been submitted within the last 4 months. The fact that positions are advertised in this column does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Electronics Engineer, Mechanical Engineer, General Engineer, or Physicist, GS-7, 9, 11 or 12, Code 3054—The incumbent performs design, development, analysis and testing of infrared and electro-optical (TV) seekers. Included is the design, analysis, test and evaluation of various sensors, optical systems and seekers, and integration of the seeker designs with the various platforms and missile systems. Minimum Qualification Requirements: BS degree and professional engineering experience as outlined in X-118. Job Relevant Criteria: Appropriate experience in optical systems design, analysis, test and evaluation.

Electronics Engineer GS-85-13, PD No. 728092, Code 3054—Position that off branch head. The incumbent is responsible for the technical direction and control of all branch efforts, projects concerning optical elements, lenses and domes, various sensors, optical systems and seekers. Minimum Qualification Requirements: Three years professional engineering experience in optical field. Job Relevant Criteria: Background in design, development, analysis and testing of infrared and electro-optical TV seeker. Experience in planning work and directing the efforts of technical personnel as project manager or supervisor.

Travel Clerk GS-3122-84, PD No. 7285904, Code 8517—Duties of the position is to perform the work in the arrangement for common and other carrier services for the transportation of employees. Review travel orders for accuracy; issue transportation requests and meal tickets, estimate and compute per diem, etc. Minimum Qualification Requirements: Two years general experience as outlined in X-118. Job Relevant Criteria: General office clerical experience in traffic or transportation work which required application of practical knowledge in the use, operation, cost or regulation of transportation.

File applications for above positions with Dora Childers, Code 657, Room 212, Phone 2514. Photocopying Equipment Operator Helper, WP-4401-04, \$3.92 p-h, Code 7038—The purpose of this position is to provide information, retrieval and document reproduction services. Incumbent operates various types of photocopying machines, such as Photostat, Ozalid and Multithrift Offset Press. Performs minor maintenance on machines; sets up and operates photocopying equipment. Determines type of materials needed to produce desired product. Job Relevant Criteria: Demonstrated ability to setup and operate various types of reproduction equipment; knowledge of

(Continued on Page 11)



X-RAY TECHNICIAN SEES NAVY AS GOOD LIFE—HM1 Robert J. Engelhart, an X-ray technician at the Naval Weapons Center Dispensary, signs on for five more years in the Navy while Lt. Cmdr. J. J. Mason, head of Administrative Services at the Dispensary, looks on. The four year Navy veteran received his training at Great Lakes, Ill., and has been at China Lake for nearly two years. He and his wife, Susan Marie, reside at 302-B Monterey St.

Musical Program Planned Sat. at All Faith Chapel

"LIFE," a dynamic new young world musical written by Otis Skillings, will be presented at 8 p.m. Saturday at the Naval Weapons Center's All Faith Chapel. The program, which is being staged by the Light Vibrations, a choral group of 50 high school young people from San Gabriel Union Church, is open to the public.

For several years, the members of this musical group have traveled up and down the California coast singing in churches, auditoriums and at military bases. The vocalists are accompanied by guitars, bass, drums and piano, and their equipment includes an excellent sound system as well as spotlights and floodlights that are used to highlight the program. The Light Vibrations are directed by Dave Pyscher, and the group's stage manager is Don Winans. Preparations made by the All Faith Chapel's Protestant Congregation for Saturday's visit by the young singers and musicians from San Gabriel include a covered dish dinner that will take place at 6 p.m. in the Murray School cafeteria. Persons interested in attending the dinner are asked to contact the chapel office.



RODEO QUEEN CANDIDATES—The 10 young ladies pictured above are currently in the midst of an all-out campaign to win votes for the title of queen of the 1972 Desert Empire Rodeo, which is scheduled May 6 and 7 at the fairgrounds in Ridgecrest. They are (seated, l-r) Faith McCoy, Debby Carey, Carol Miller and Gwen Malnassey. Standing are (l-r) Joni Hunsinger, Anita Vang, Melinda Witt, Laurie Rorex, Jenine Henderson and Barbara Brezina. The girls are selling tickets, at \$1 each, which count as votes for them. They will be judged on the number of tickets they sell (50 per cent), horsemanship (25 per cent) and personality, poise and appearance (25 per cent). The judging for personality, poise and appearance will take place on Saturday at 3 p.m. at The Hideaway Restaurant in Ridgecrest. Horsemanship ability will be judged at the Bottom Acre Stables at 7:30 p.m., Saturday, April 29, and the final ticket tally has been scheduled on Friday, May 5, at the Kern County Building, by Lee Wengler, chairman of the Rodeo Queen contest. The winner will be announced at a street dance during a Gold Rush Days program at 8:30 that same night. —Photo by PH3 R. G. Mills

Little League Majors Begin Play Monday

The China Lake Little League is preparing for Monday's season opener between four of the six-teams in the Major Division.

The Pirates, managed by Lee Gilbert, will take on the Tigers, managed by Bob Gritton on Diamond No. 3 at 6 p.m., while on Diamond No. 4, also at 6 o'clock, Norm Fasig's Dodgers will meet the Red Sox, with Dan Branson at the helm.

Beginning its 20th consecutive year under a national Little League charter, the local organizations are prepping for the opener with a newly expanded game schedule. The six Major Division squads will play 20 games this year instead of the previous season's 15 contests.

"Casey" Wilson, president of the China Lake Little League, announced that the remaining two teams in the Major Division, the Yankees, led by Bill Lalor, and the Giants, managed by Woody Chartier, will begin play next Wednesday, April 19.

The Little League official also asked that persons interested in umpiring Little League baseball games contact any official of the league. "Umpires are sorely needed," Wilson stressed.

The Minor Division has been expanded to include two more teams than last year, thus boosting the number of teams to eight. Division teams will begin competition on May 1, and each team will play a 14-game slate.

Play in the Farm and T-Ball Divisions will not get under way until the end of the school year. No firm schedule has yet been drawn up, and the team rosters will not be completed until assignments to the Minor Division teams are finished. Although rosters are incomplete, it is anticipated that six teams will participate in each of these latter two divisions.

Over 300 youngsters between the ages of 8 and 12 will be taking part in the Little League baseball program this year.



HERE FOR BRIEFING—Rear Adm. J. S. Christiansen (at left), Commander of Carrier Division 7, and 11 members of his staff visited the Naval Weapons Center on Wednesday of last week for an update on major technical programs. While here, RAdm. Christiansen, who is shown during lunch with Capt. R. S. Moore, NWC Technical Officer, also spent some time with personnel of Air Test and Evaluation Squadron Five (VX-5).

Hatchetmen Begin Season With An Impressive Win

After a week of practice rounds the China Lake volleyball season has begun in earnest. Some pre-season predictions are proving to be less than accurate and the league competition overall is going to be much closer than expected. In Tuesday night's action, the Hatchetmen showed tremendous offensive strength and walked away from the Ballpeakers 15-5, 15-3, and 15-5. The Ballpeakers never once mounted a sustained scoring attack and their weak showing on defense left them on the short side of the scorecard throughout the evening.

In a more evenly matched set, the Bouncers barely got by the Wallbangers 15-12 and 15-11 which gave them the set, but they lost the nightcap as the Wallbangers regrouped and salvaged a lone win for the evening 15-9. After dropping their first match with the Yahoos 15-6, the VX-5 volleybatters got their game together and made the going none too easy for the Yahoos. The Vampires, who made strong showings during the pre-season,

fell just short of upending the Yahoos. With even-up scores at the end of regulation play, the Yahoos managed to hang on to win the remaining two matches, 18-16 and 16-14. The Bulldogs had a rough night as they lost a full set to the 10th Division team. Scoring only 6, 11 and 9, compared to the winning 15 points in each match for the 10th Division, the Bulldogs had offensive problems which plagued them all night.

The annual Commander's Trophy golf tournament, normally an 18-hole event, has been expanded to 36 holes, medal play, and will be held on Saturday and Sunday, April 22 and 23. Curt Overstreet, tournament chairman and vice president of the China Lake Golf Club, announced that this year's event is expected to be one of the best tournaments to be held all year long. "This one ranks right in with the Golden Anchor, the Invitational and the Club Championship," Overstreet asserted.

The entry fee is \$4 and the deadline for entries is Thursday, April 20. A sign-up sheet is located in the clubhouse. "Following Saturday's play, a putting tournament will be held," Overstreet said. "In addition, golfers will be treated to free sandwiches and beer," he added. Last year's winner was Jack Yeakey, with a net 66 for the 18 hole event.

MDISL Bowlers Come in Fifth

Last week's Mojave Desert Inter-Service League bowling tournament at Nellis Air Force Base proved to be less than fruitful for the China Lake kегglers. Bob Brown, captain, RC Jones, Thad Brightwell, Jim Bowen, Dick Bauers and Ken Dalpiaz represented NWC at the tourney. Although the local contingent made a strong showing and provided determined opposition, they couldn't get the pins to fall for them and finished in fifth place.

DENTAL OFFICERS MEET—Rear Adm. M. G. Turner (at right), DC, USN, who is the 11th Naval District's Director of Dental Activities, was the senior officer present at a Dental Coordinators' Conference held recently at the Naval Weapons Center. Some two dozen senior dental officers, including Capt. T. D. Stephenson (seated at left), NWC Dental Officer, attended the one-day meeting which was called to discuss policies and share ideas aimed at solving mutual problems. The visitors were welcomed aboard by Capt. A. E. May, NWC Deputy Commander, and were shown the "NWC Highlights" film as part of their introduction to the Center.

PROMOTIONAL OPPORTUNITIES

(Continued from page 2)

reproduction materials such as sensitized paper, sepia, mylar etc.; ability to recognize purpose of engineering drawings and specifications. Advancement Potential: Photocopying Equipment Operator WP-07. File applications with Donna James, Code 457, Room 211, Phone 2393.

Aerospace Engineer, GS-861-12, or Mechanical Engineer, GS-830-12, PD No. 7245027, 1 Vacancy, Code 4572—This position is located in the Systems Technology Branch, Propulsion Systems Division, Propulsion Development Department. Incumbent of this position is assigned to a project team engaged in research, design, development, testing, and analysis of a major propulsion systems. His efforts support the team in propulsion subsystems related to the control of the major system such as thrust vector control, roll control, etc. Incumbent conducts feasibility studies to match conceptual design with project requirements. He analyzes performance characteristics of state-of-the-art propulsion subsystems to generate design information. Digital computer simulation of design and prototype subsystems are performed. Incumbent performs investigations to generate basic technology, compliment analytical efforts, and verify the design adequacy of prototype hardware. Minimum Qualification Requirements: In accordance with CSC Handbook C-118. Job Relevant Criteria: Experience and ability in Control System's analysis and design, and thrust-vector control required. Experience in hydraulics and servovalves desired. Experience in Electro-Mechanical design necessary.

File applications for above with Linda Grassman, Bldg. 34, Rm. 206, Phone 2572. Electronics Engineer, GS-85-11 or 12, Code 3524—This position is located in the Missile Guidance Branch of the Electronic Systems Department. Incumbent designs and develops extremely broadband stripline components and networks, develops and uses complex integration programs for antenna hardware, directs test and evaluation of antenna systems. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience in design of microwave component, feed network and radiator. Experience in design of extremely broadband monopulse direction finding antennas. Knowledge of digital computer design and synthesis techniques.

Electronics Technician, GS-854-5, 7, 8, 9, 10 or 11, 2 Vacancies, Code 3524—This position is located in the Missile Guidance Branch of the Electronic Systems Department. The incumbent will work closely with engineers to perform the operational evaluation of electronic components or systems to determine acceptable operating characteristics and limitations of electronic hardware. The incumbent will maintain documentation by formalizing data into laboratory records, field test reports, graphs, charts, tables, operating manuals and technical reports. He will also fabricate electronic systems, devices or components applicable to other related support areas. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: The incumbent must have an in depth knowledge of electronic theory and demonstrated ability to apply electronic electrical theory so as to recognize, isolate and make recommendations for the solution of problems arising in the design-evaluation of electronic systems or components.

Electronics Engineer, GS-855-9 or 11, Code 3524—This position is located in the Missile Guidance Branch of the Electronic Systems Department. The primary duties of this position are the design and development of components and subsystems required in the receiver portion of guided missiles used in

electronic warfare. The incumbent will plan, analyze, research, conduct liaison, initiate procurement, supervise fabrication and test (laboratory and field) subsystems, components or arrays intended for use in the Branch Programs. Minimum Qualification Requirements: As defined in CSC Handbook X-118 Job Relevant Criteria: Experience in stripline circuit design, antenna circuit design, ability to use and apply computer aided circuit design techniques.

File applications for the above with Sue Prasolowicz, Bldg. 34, Rm. 206, Phone 2577. Accountant, GS-510-11, PD No. 7217010, Code 1732—The incumbent of this position performs work consisting of financial analysis and reports concerning the NIF ledger accounts. This position requires a professional background in accounting techniques and theory. Minimum Qualification Requirements: Experience as defined in CSC Handbook X-118. Job Relevant Criteria: Incumbent must demonstrate potential for becoming thoroughly familiar with the budgetary process.

File applications for above with Mary Morrison (Code 457), Bldg. 34, Rm. 210, Ph. 2032.

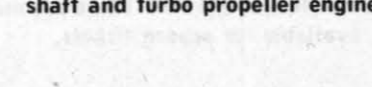
Cleanup Drive Now Under Way

(Continued from Page 1) immense asset. "During the remainder of the month, I urge all residents of China Lake to take advantage of the services offered by Housing to put their yards and homes back into shape to prepare for the rigorous summer months ahead."

Those tenants who intend to improve the appearance of their yards can check out equipment for that purpose from the Housing Office. Rototillers, tree-trimmers, post hole diggers, fertilizer spreaders, hedge trimmers and a thatcher are available for tenants' use. In addition, fence paint and paint brushes and grass seed may be obtained. A special trash pick-up is also available to tenants who clear away brush or tear down old fencing. A phone call to NWC Ext. 3771 will bring a truck to haul away the debris. However, tenants must have the rubbish piled up in an area that is easily accessible to a truck.

In order to take advantage of the equipment or materials for the renovation of their yards, tenants are asked to contact the housing manager for their particular type of housing. The 1972 clean-up campaign will continue until April 28.

PATENT AWARDED—F. A. Chenault (at left), head of the Systems Development Department, congratulates Jerry Reed as he presents him a patent award. Reed, who is head of the Advanced Systems Branch in the Systems Development Department's Weapons Systems Division, devised an exhaust system for use as a passive infra-red countermeasure on aircraft that are powered by turbo shaft and turbo propeller engines.



The Rocketeer

Official Weekly Publication Naval Weapons Center China Lake, California

RAdm. W. J. Moran, USN NWC Commander H. G. Wilson Technical Director C. E. Van Hagan Head, Technical Information Department

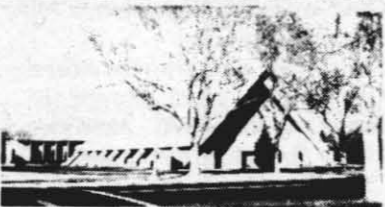


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Phones 3354, 3355, 2347



DIVINE SERVICES

PROTESTANT Sunday Worship Service 1000 Sunday School All Ages 0830 Sunday Evening Bible Study 1900 Wednesday Bible Study 1130 Wednesday Teenage Bible Study 0645 Sunday School Classes are held in the Chapel Annexes 1, 2 & 4 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion first Sunday of the month

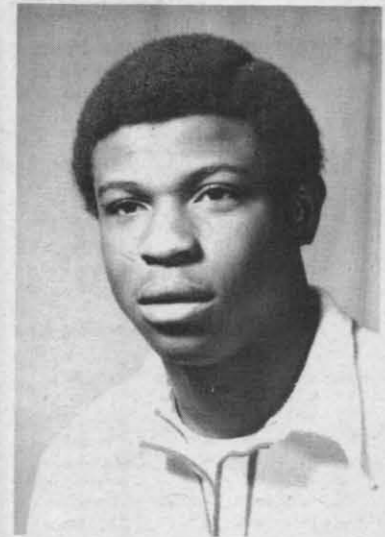
ROMAN CATHOLIC MASS Saturday 1700 fulfills Sunday obligation Sunday 0700 0830 1115

BLESSED SACRAMENT CHAPEL MASS Daily except Saturday 1130 First Friday ONLY 1130 1700 First Saturday ONLY 0830

CONFESSIONS Saturday 1545 to 1645 Sunday 0800 to 0825 CCD CLASSES Sunday Kindergarten through 6th grades 1000 Wednesday 7th and 8th grades 1900 As announced 9th through 12th grades

Note: The Chapel Nursery is located in Chapel Annex 1, Room 4, across from the Center Restaurant, and is open without charge for children of parents attending Catholic Mass or Protestant Worship Services.

JEWISH SERVICES EAST WING - ALL FAITH CHAPEL Friday 1st and 3rd ONLY Sabbath Services 2000 Saturday Sabbath School 1000 to 1200 UNITARIANS CHAPEL ANNEX #5 Sunday Services 1930



Ronald Eddie Black

Ron Black Named NWC's 'Athlete' For February

Seaman Ronald Eddie Black, a Personnelman at the Naval Air Facility, has been selected "Athlete of the Month," for February. Black was a guard for the NAF basketball team that competed this past season in the China Lake Intramural Basketball League.

Bill Nicol, Intramural Sports Director, stated that Black's performance over the entire season was "... steady and dependable." He was the outstanding player for NAF, and during a game against Bud Eyre Chevrolet, scored 32 points.

O. A. "Gabe" Imer, head of Special Services, sponsors of the "Athlete of the Month" award, said "It is a pleasure to award this honor to Black. He is an outstanding young athlete and a credit to his Command and to the enlisted man who competes in intramural sports at NWC."

Black played basketball in high school, also as a guard. "I didn't get as many opportunities to score then," he recalled. "Guards usually don't do the lion's share of the scoring," he added.

Black, 20, has been at China Lake for six months, and in the U.S. Navy for eight months. He is planning to extend his service time "at least two more years" as his objective is to get a higher education.

While in high school, the Tampa, Fla., native also was active in baseball. He played short stop and catcher on the Middleton High School team.

Asked about his favorite position in basketball, Black said he really liked to play guard. "Shooting is my biggest asset, though," he stated. "That, and playing defense."

Black enjoys being stationed at China Lake. "It's a good place for just relaxing and doing a little reading and thinking," he said. "I find that I can solve my personal problems here a lot quicker," he elaborated, "because the way of life around here is not rush, rush all the time."

For relaxation, Black plays the saxophone and reads. "I like to go fishing," he said, "and I plan to do quite a bit of it later on this year," he concluded.

Lifeguard Needed

A lifeguard is needed for the NAF Pool. Persons who wish to volunteer for this position are asked to contact the Enlisted Personnel Office, NWC Ext. 2248.

Entries Now Pouring in For CPO Club Golf Tourney

Entry blanks for the second annual Chief Petty Officers' Club Golden Anchor golf tournament are already in the hands of many of the Center's golfers, and, according to G. L. Barnard, manager of the CPO Club, this year's event is "... sure to be a whing-ding."

The tournament is limited to 40 teams (two men each) and the advance entries will close on May 1. The final entry list closes on May 14, and the tournament will be run on Saturday and Sunday, May 20 and 21.

The entry fee is \$30 per team and golfers may bring guests along to the festivities at a charge of \$5 each.

The golfing competition itself is a best ball, partners, affair with full handicap (SCGA). Eighteen holes will be played each day and prizes will be awarded following the end of the first day's play, as well as for scores posted for the entire 36 holes.

A \$750 prize list is promised and the competition will include a hole-

Girls' Softball Registration To Begin Monday at Youth Center

Registration for the Indian Wells Valley Girls' Softball Leagues, sponsored by the China Lake Youth Center (NWC Special Services) and the Ridgecrest Recreation Department, begins on Monday and will continue on week days until Friday, April 28.

Registrations will not be accepted after the closing date and, according to a Special Services spokesman, no exceptions will be made.

The times and places where registration will be held are as follows: China Lake Youth Center, noon to 5 p.m. and 6 to 9 p.m., Ridgecrest City Hall, 8 a.m. to 5 p.m. A fee of \$5 per player must usually accompany the registration.

Leagues will be organized in three age divisions with July 1, 1972, set as the determining date for league age eligibility. The leagues will be: National League, 13 through 16 years of age; American League, 10 to 12 years of age; and Minor League, 8 through 9 years of age.

No tryouts will be held this season as teams will be formed

China Lake Club To Hold Annual Tennis Clinic

The China Lake Tennis Club will hold its annual tennis clinic, beginning tomorrow at 9 a.m. at the China Lake tennis courts, located behind the Station Theater.

The clinic will be taught by members of the club on six successive Saturdays.

Something new has been added to the clinic—a tennis ball tossing machine, which should aid students in mastering the fundamentals of the game.

According to Lt. Cmdr. John Clinton, president of the Tennis Club, a fee of \$3 per person will be charged for the six lessons. Those who wish to attend should contact Ben Quiroz, chairman of the tennis clinic, at Ext. 3414 during working hours, or show up before 9 a.m. tomorrow at the courts.

Classes will be organized for beginners through intermediate level players.

in-one contest, plus a closest to a selected hole event, in addition to many other attractions for the golfer, such as free beer on the course, at the clubhouse, a welcome wagon and a Happy Hour bar.

On Friday night, prior to the tournament, a warmup party will be held at the CPO Club, featuring a no-host dinner and cocktail party with Happy Hour prices prevailing. Barnard stated that fun and games will be the order of the night.

On Saturday evening, a tournament party at the CPO Club will include a cocktail party and dinner with dancing and entertainment also scheduled.

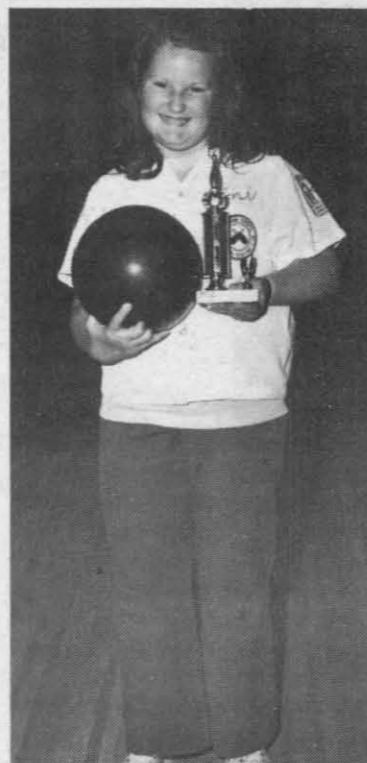
Then on Sunday, following announcement of the tournament's results, a post-mortem get-together will be held at the CPO Club when prizes will be presented and a light buffet will be served.

"All guests will be entitled to participate in all of the social activities," Barnard said.

under the control of a special committee and girls will be assigned to teams according to age and known ability.

Once a girl is assigned to a team she may not transfer to another team, regardless of the reason.

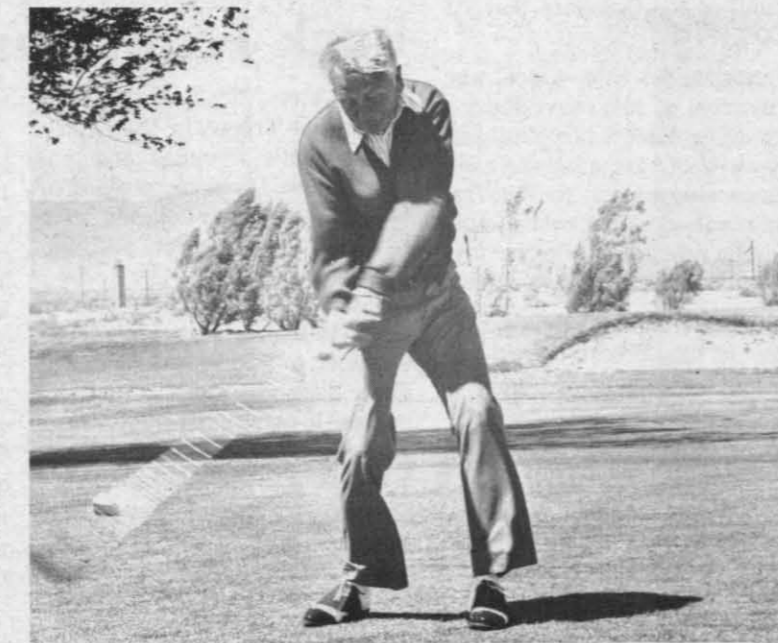
All games will be played at the James Monroe School in Ridgecrest. The Murray School grass diamonds will be used for practice only.



WINS TROPHY—Toni Arabian, a student in Mrs. Wanda Wisler's special education class at Murray School, competed at Visalia recently where she earned the right to enter a state bowling tournament that is to be held at Fresno on May 20. Miss Arabian is holding the trophy which she received for placing third in the Class C competition. Two local teams and one other individual bowler (12 youngsters in all) took part in the District VII event at Visalia.

Lanes To Close

The bowling alley will be closed all day tomorrow and until 2 p.m. on Sunday. The lanes will be resurfaced during this time.



CAPT. L. A. DEWING, USN (Ret.), tees off in the annual Dewing Classic Golf Tournament, named for the popular past Commanding Officer of the Naval Air Facility, who is also a past president of the China Lake Golf Club. **AT RIGHT**—He is seen blasting out of a sand trap during play. More than 160 NWC military men are competing in the three-day event, which will end today. The tournament chairmen had to borrow more than 50 sets of golf clubs from other golf courses in the Mojave area. Servicemen competing in the event are divided into 12 flights—one Championship and 11 others. Prizes will be awarded to the first two net finishers in each flight. Prizes are mallet-head putters, mounted on a plaque.



Kegler's Korner

By Jack Lindsey

Only the Little Giants and the Ladies Scratch leagues reported any scores this week. Bowling in the winter leagues is nearly over and the secretaries, it seems, are getting a little lax (especially if their teams are out of it).

David Maddux rolled games of 144 and 146 to lead the scoring in the Little Giants division of our fine Junior ABC bowling program at NWC. Linda Herbstreit was the top shooter for the girls, hitting a 153 game and a 257 series.

Little Marvin Titus socked a 150 total and Terri Petach banged out a 103 game. Susie Ayers, age 7, rolled a 101 effort.

The JABC program at the Hall Memorial Lanes is a fine one, and is led by some pretty dedicated ladies, even if they did forget to give me the results of the recent Junior City Bowling Tournament, which I asked for twice. Some days it doesn't pay to roll out the tripewriter because no one wants to cooperate.

Anyway, Jeanne Crom, Myr. Snyder, Grace Vorwerk (to name just three) have done quite a lot of work with the junior bowlers in the local area. There are others who are involved and I'll be glad to list them in this column if someone will just tell me who they are.

Just Too Much

The Bud Eyre keglers have proven to be too "hot to handle" in the Women's Monday Night Scratch league. They are now 13 games in front of Freddie's Strike Room, following three victories last Monday.

Barbara Tunget led the scoring with a 211 single game and a big 546 series. Charlotte DeMarco blasted out a 216 for high single honors and hit a whopping 527 series, a figure tied by Phyllis Glass.

Maggie Branson, always in there, scored with a 519, and Jackie McCoy had a 204 single effort.



Navy League Elects Officers...

(Continued from Page 1)

Affairs Officer for NWC, and incoming president of the Council, stated that the objectives of the group for the forthcoming year will include the continued support of these two programs. McGlothlin stressed that the Council would embark on a more vigorous membership recruiting program to bring into the organization local citizens who can assist in strengthening the Navy League.

In addition, he called for a more active membership participation. "Let's get each member involved," he declared.

Other officers installed, in addition to McGlothlin, were William R. Grafeman, first vice-president;

John Cissne, second vice-president; Dr. Raymond DeHarrold, secretary; Larry Graham, treasurer; L. Neal Webb, judge advocate, and Dr. Ellis Tiffany, chaplain.

Others Honored

Honorary Navy League memberships in recognition of their work with the Navy Sea Cadets were awarded to Lt. Cmdr. Carl E. Richno, Lt. Cmdr. George S. Burdick, Lt. Richard V. Schultz, and Lt. (jg.) Paul A. Douillard.

A special Certificate of Appreciation also was awarded to Joan Taylor, NWC assistant Public Affairs Officer, for her work with the Bluejacket of the Year program.

April 'Bluejacket' Chosen...

(Continued from Page 1)

Reiko. "I wasn't too anxious to leave," he said, "so when my duty was up aboard the USS Providence, I transferred with another man aboard the USS Oklahama City so that I could stay in Japan," he added.

Huffman and Reiko were married in June, 1969. The couple have one daughter, Barbara, who is a year old, and are expecting another child in June.

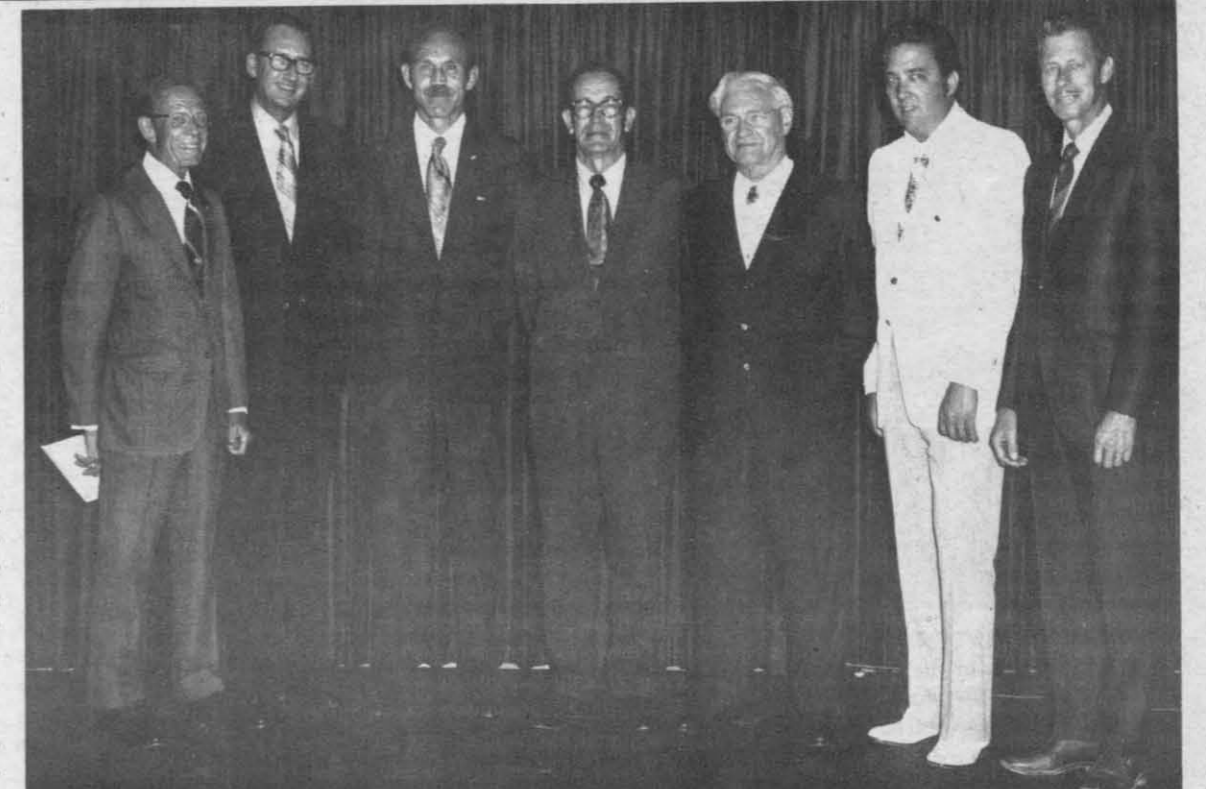
The Huffmans enjoy bowling and participate in the Ball and Chain League on Wednesday nights. Huffman's average is 156 and Reiko is carrying a 133. He also plays softball and competed last year with the Food Service team in the slow-fast league. Reiko enjoys

cooking and spends a lot of her time experimenting with new recipes.

"I really like this area," the April Bluejacket stated. "We like to fish and there are so many different places around China Lake available to the fisherman," he commented.

Huffman's present enlistment will be up in November, 1973. "I will stay here until then, but after that, I'd like to go back to Japan for one more tour," he said.

He wouldn't be too disappointed if he had to stay here, though. "Command here is outstanding," Huffman declared. "All of my Division Officers (he's worked for three) have been great to work for," he noted.



NEW NAVY LEAGUE OFFICERS—National Navy League Director Milford C. Carlson, (at left), who acted as installing officer, poses with new officers of the Indian Wells Valley Council of the Navy League. They are, (l-r) James H. McGlothlin, president; William R. Grafeman, first vice president; John Cissne, second vice president; Dr. Raymond DeHarrold, secretary; Larry Graham, treasurer, and L. Neal Webb, judge advocate. The men were installed at the annual Navy League dinner, held April 8 at the Chief Petty Officers' Club. —Photo by PH2 E. R. Ortiz

Animal Control Service at NWC To Be Increased Starting Mon.

Increased animal control service within the Naval Weapons Center housing area (including Desert Park) will go into effect Monday, following the recent hiring of an additional animal control officer,

who will devote a full 40-hour week exclusively to patrolling China Lake residential streets.

Merton Davis, Jr., the new animal control officer, is an employee of the City of Ridgecrest, but will be handling what is a Kern County job under the terms of an agreement that has been worked out between the city, the county and NWC.

The new agreement will mean increased animal control service both on and off the Naval Weapons Center for, in addition to the former animal control officer, who was responsible for the entire Indian Wells Valley area, Davis will concentrate his efforts exclusively at China Lake, thus leaving the other animal control officer free to cover a smaller territory.

Davis' job calls for a 40-hour week, but random hours (including some patrolling on evenings and weekends) is planned—not just a straight 8 a.m. to 5 p.m. shift on weekdays.

The increase in animal control service is the outgrowth of numerous complaints that have been received from China Lake residents regarding loose dogs and the noise and destruction they are often responsible for.

All dogs kept on the Naval Weapons Center are to be under control at all times, which means they must be kept inside a fenced yard, on a leash or chain, or under the control of a responsible person.

Davis' assignment will be to pick up all dogs that are seen running loose—both licensed and unlicensed animals—and take them to the animal shelter located in the old contractor area at China Lake. It will then be up to the sheltermaster to notify the owners of licensed dogs as soon as possible after impoundment.

Dogs will be released upon payment by their owners of a \$3 Navy imposed administrative fee, plus a \$1 shelter charge and 50 cents per day for their feeding. Owners of unlicensed dogs also will have to pay for immunization of

their pets against rabies, as well as for a license.

If a dog is not claimed by its owner within three working days of the time it is impounded, the Navy contract with the City of Ridgecrest permits disposal of the animal—whether or not the dog is licensed.

Even though a dog may elude capture by the animal control officer, Davis will be obligated to endeavor to learn to whom it belongs by following it to its home and making inquiries around the neighborhood.

From this information, Davis will prepare reports on the ownership of dogs that may be causing trouble and turn this data over to the Police Division of the NWC Security Department. Armed with this information, policemen will call upon residents, advising them that their canine pet has been observed running loose.

Once an initial warning has been given, any future violations that are reported may result in the dog owner being cited before the Community Hearing Board.

If this level of animal regulation doesn't result in an acceptable level of control, more stringent actions may be forthcoming.

Persons wishing the assistance of the animal control officer are asked to call the Ridgecrest Police Station, 375-5044.

Water Safety Aide Class To Be Offered

Plans were announced this week for a Red Cross water safety aide-water safety instructor course that is to begin on Saturday, April 22, at the Center swimming pool.

An additional three sessions of this class are planned, but the dates and times won't be decided until the first class meeting, which is to be held from 9 to 11 a.m. on April 22.

Participation in this class is limited to individuals who are at least 14 years of age and possess a currently valid junior or senior lifesaving certificate.



INDUSTRIALISTS VISIT NWC—Representatives of various industries that are members of the National Security Industrial Association, more than 90 strong, attended a conference here last Thursday and Friday. Purpose of the gathering, which has been an annual event at NWC for the past few years, was to learn how a defense laboratory can be of help to industry and vice versa. In order to accomplish this purpose, a wide range of information was presented aimed at bringing NSIA members up to date on weapons development programs that are under way here. Brig. Gen. William L. Hamrick, USAF (Ret.), director of NSIA's West Coast office, is shown in top photo as he made several announcements during a dinner meeting Thursday night, and also (in lower left photo) while registering at the main gate earlier that same day. Assisting him with the signing in process are Loretta King (on right), secretary to the Technical Presentations Coordinator, and Frances Smith, head of the Official Visitors Branch in the Security Department's Security Operations Division, who is looking on. Guest speaker at the Thursday evening dinner meeting was Dr. Walter B. LaBerge (lower right), NWC Deputy Technical Director, who took the opportunity to emphasize the intent of the Center to maintain good communications with industry. —Photo by PH1 D. C. Manderscheid



IEEE Slates Program About Chemlite Device

A program highlighted by information on Chemlite, an NWC-developed product based on a chemiluminescent reaction, will be presented at the next meeting of the China Lake Section of the Institute of Electrical and Electronics Engineers (IEEE).

The meeting, at which high school and college students will be special guests, will be held from 11:30 a.m. to 1 p.m. on Monday, April 24, at the Commissioned Officers' Mess.

Speakers will be Steve Little, program manager for development of chemiluminescent products, and Maj. Jack Pipa, USMC, from the Marine Corps Liaison Office at China Lake.

The Chemlite device that will be discussed and demonstrated during the IEEE luncheon meeting was invented by Herb Richter, a chemist in the Chemical Kinetics Branch of the Research Department's Chemistry Division. It consists of two liquids enclosed in a tube which, when bent, breaks an inner container that releases chemicals that are then mixed and produce light.

Duration of the light from a Chemlite device is two to three hours. It has been used in search and rescue missions and in helicopter operations.

Lemoore NAS Plans Air Fair

The Naval Air Station, at Lemoore, will hold its annual open house and Air Fair on Sunday, April 16. Headlining the Air Fair again this year will be the Navy's precision flight demonstration team, the "Blue Angels."

Other attractions will include an air power and weapons delivery demonstration by Lemoore-based squadrons; daring skydiving maneuvers by the Navy's exhibition parachute club, the "Leap Frogs," and various static and commercial displays.



BUSY DAY—March 30 was a big day for 55gt. Luther L. Emery, right, USMC. On that day he was discharged, reenlisted and transferred, all within a matter of minutes. Above, Col. E. D. Smith, USMC Liaison Officer, presents 55gt. Emery with a Dust Devils certificate during the ceremonies. 55gt. Emery has been at China Lake for two years working in the Fuel-Air Explosive office as an aviation ordnanceman. He will join the 1st Marine Aircraft Wing, deployed overseas, while his wife, Glyndia, and the couple's three children, return to their home town. The six year Marine Corps veteran reenlisted for another four years.

Motorcycle Riding Safety Course To Start Saturday

A motorcycle safety class, sponsored by the China Lake Community Council and members of two local motorcycle clubs (the Sandblasters and the Gypsy Wheels) will begin at 9 a.m. Saturday in the NWC Traffic Safety Building, located at the corner of Nimitz Ave. and Hussey Rd.

The course is being offered as a community service for local residents who are either now riding or planning to ride motorcycles, and would like to know more about the machine and the skill needed for its safe operation. Up to 20 persons can be accommodated in each class.

Saturday's classroom session will be three hours in duration. It will be followed up on subsequent Saturdays by motorcycle riding skill tests that will be held in the Satellite (dry) Lake area of the Naval Weapons Center.

At the first class session on Saturday, release forms will be issued to all prospective students and must be signed by both parents of any minors enrolled in the course and by any adults in attendance before any motorcycle riding is done.

Motorcycles for use by those attending the class will be provided by Ridgecrest Cycle, Inc., the B&B Cycle Center and the Desert Sport Cycle Shop. In addition, approved helmets that must be worn by class members while riding 'cycles have been furnished by the Buco Corp. and Daytona Products.

Inexperience on a motorcycle is the cause of many accidents, spokesmen for the NWC Safety Department point out, and training helps to eliminate many of the problems a new 'cyclist may encounter.

Additional information about this next session of the motorcycle safety class can be obtained by calling Billie Hise, in the Safety Department, at ext. 2037.

Sea Cadets Plan Weekend Outing In Range Area

A weekend outing on a portion of the Naval Weapons Center's range area is in store this Saturday and Sunday for members of the VX-5 Naval Sea Cadet Corps Squadron.

The Sea Cadets, 33 members strong, accompanied by their five officers and as many of the fathers or male guardians of the boys as are interested in participating, will board buses at 7:30 a.m. Saturday for a ride out to the Coso military target range.

Plans call for exploring Petroglyph Canyon, a climb up Coso Peak, and a visit to Wild Horse Mesa.

Camp will be set up near a range area Quonset hut, and the Sea Cadets will bed down in sleeping bags under the stars.

An enrollment of 30 students will be necessary for the class to be carried through to its completion.

Employee In the Spotlight

Francis L. (Frank) Carlisle was graduated from Vancouver High School, in Vancouver, Wash., in 1932. That was not a good year. The country was in the throes of a depression and jobs were not easy to find.

"I wanted to go right into college, but there wasn't any money, so I went to work as a farm laborer," the personable Carlisle said. He wandered around the West Coast for two years, picking cotton, harvesting fruit and wheat, mining and boxing.

Finally, in 1934, he entered Pasadena Junior College (now Pasadena City College) and received a BS degree in mechanical engineering from CalTech in 1939. "I supported myself through school by working with the National Youth Authority and taking occasional fights," he explained.

Frank fought in the bantamweight and flyweight divisions. During a four year span he had 32 bouts—15 amateur and 17 professional—and lost only one fight in each category.

"I really wasn't that good and I knew it," he declared. "For one thing, I never fought anyone who was very good. I worked out with some of the better boxers, including the Panama Kid and Abe Israel, and they handled me pretty easily," he explained. "But it got me through school," he added.

Frank was hired in 1939 by Fred Lindvall to work for the Pacific Railway Equipment Co. on the design of high speed, lightweight railway passenger cars. Around 1943 he and two other men began their own engineering firm. "That dried up in 1945," he stated. "So I went back to work for Lindvall, this time on CalTech's Ordnance Science Research and Development program, working on underwater ordnance. That's where I was when CalTech transferred to Civil Service in 1945," he added.

Frank was responsible for some of the initial layouts on the variable angle launcher at Pasadena's Morris Dam. "I worked on the electrical-mechanical design," he explained. The variable angle launcher tosses full scale torpedoes into the water at up to sonic velocity. The first active acoustic torpedo (MK32) was developed during Carlisle's tour at Pasadena.

In January, 1955, he came to China Lake as head of the Electronics Branch (now Code 5522) with the Engineering Department. In December, 1958, Frank was named head of the Electromechanical Division, his present job.

One of the highlights (he points out) since coming to China Lake was the development of the infrared guidance system for Sidewinder.

Frank is a reticent man, and would rather talk about his fishing experiences than his accomplishments at NWC. But over the years he has spent in Civil Service (27) he has been quite busy. He has published some papers on his work—before the American Society of Civil Engineers, the American Society of Mechanical Engineers, and for the Los Angeles Electroplaters Society—and has received, as he puts it, "probably more pro-



Francis L. Carlisle

motions than I deserved."

Frank also has made many contributions to the community. He is a past president of the Indian Wells Valley Council of the Navy League, and has held the offices of treasurer and vice president. He is presently on the board of directors of the American Ordnance Association and is a past acting president (he filled out John Black's term). In addition, Frank is a past president of the China Lake Boat Club and is a member of Rotary.

He is also a past chairman of the Joint Army-Navy-Air Force Fuze Committee, and is currently a member of this group.

He has served as secretary and vice president of RESA and is a past member of the Education Committee for Ordnance Science (ECOS).

Frank and his wife, Grace, who he married in 1941, have lived a very active, outdoor life. Until just recently they have gone on many back-packing trips in the Sierras, have made some four-wheel, non-scientific exploration trips in Baja California, and they have fished.

Fishing is one of Frank's real loves. It has almost proved his undoing, however, on a couple of expeditions to the Sea of Cortez. "Once, with two other couples—the McLean's (Bill and LaV) and Bill Duarte—we got caught in a very strong north wind while headed south," he laughed. "Duarte had some problems with his engine and the McLean's and I had to hold our boats back to stay with him," Frank explained.

"Well," he went on, "my engine conked out and the boat swamped almost immediately. We became separated and drifted ashore," he recalled. "Fortunately, we got together the next morning, so everything came out all right."

Frank's other harrowing experience came during a hurricane and he and Grace and another couple had to spend three days holed up on his 16 ft. boat. "That was the big wind that wiped out the settlement at Kino Bay," he remembered. His boat was damaged but managed to stay afloat. He's not going to give up, though. "I go back all the time," he said.

On the domestic scene, Frank likes to cook special dishes and often experiments with flavors and spices.

That's the way his life reads—flavored with plenty of spice.



VX-5 SKIPPERS GET TOGETHER—Two former Commanding Officers of Air Test and Evaluation Squadron Five (VX-5) were recent visitors here and enjoyed a get-together with Capt. C. "Tex" Birdwell, who now commands the squadron. The reunion included a weekend campout in the Naval Weapons Center range area. The participants, in addition to Capt. Birdwell (at right) were (l-r) Capt. H. N. O'Connor, Deputy Commander of the Naval Air Test Center at Patuxent River, Md.; Duane Mack, a long-time NWC range patrolman; Bob Whiting, an NWC range patrolman; Capt. Boyd Muncie, Commanding Officer of the Naval Air Station at Fallon, Nev., and Austin Chappelle, program director in charge of electronic warfare for the Motorola Corp. Both Capt. O'Connor and Capt. Muncie are past commanders of VX-5. —Photo By PH3 J. C. Learned

Head of Data Processing Back From Reserve Duty

Lyal Viers, head of the Data Processing Branch in the Supply Department's Planning and Administrative Division, returned to China Lake recently following a six week tour of active duty with the Air Force.

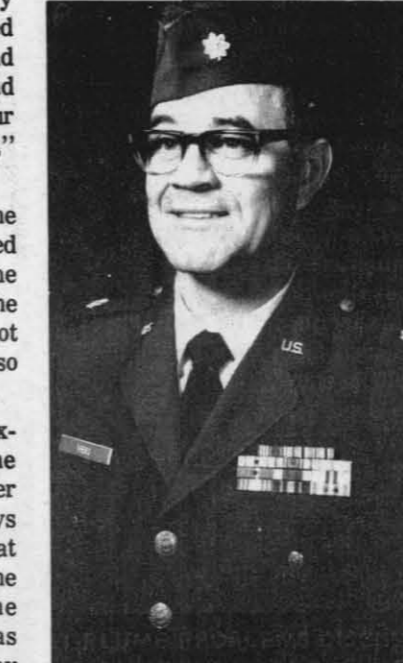
Viers, who holds the rank of major in the Air National Guard, was sent to Richards-Gebaur Air Force Base near Kansas City, Mo., in order to carry out a study aimed at determining the feasibility of establishing a centralized repair

Mobile Communication Groups. Maj. Viers, USAF Reserve, joined the Air National Guard in 1955 and has been a member ever since. At the present time, he is the Chief of Services for the 22nd Mobile Communications Squadron at Costa Mesa.

The study he performed was carried out at the request of the Deputy Chief of Staff for Logistics who is stationed at the Air Force Communications Systems Headquarters at Richards-Gebaur AFB.

Viers' wife accompanied him during his six weeks tour of Air Force duty away from China Lake. While in the mid-west, Viers also was contacted by Harold Metcalf, who is handling a liaison assignment for NWC with the National Science Foundation.

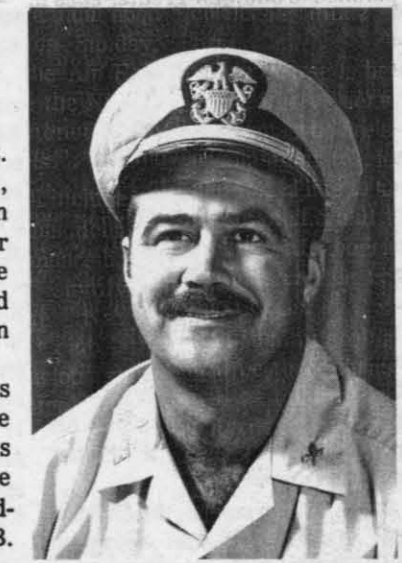
At the request of Metcalf, whose job involves linking the technology of NWC and other Department of Defense and federal laboratories to the needs of civil agencies, state and local governments, Viers traveled to Tulsa, Okla., to give a talk to members of that city's Department of Management Planning and Assistance about the installation of centralized data processing systems, and more specifically about inventory control.



Lyal Viers

facility within each Air National Guard Mobile Communication Group.

Purpose of the study was to determine the most efficient method of establishing intermediate maintenance activity within the Air National Guard's



RETURNS TO NWC—CWO Phillip Moore, who served at China Lake as food service officer for two years (July, 1969, to July, 1971) recently reported here for duty again after serving for seven months in Vietnam as materials control officer for a Helicopter Attack Squadron stationed at Bien Thui. CWO Moore, a 21-year veteran of service in the Navy, is now NWC's aviation supply officer. He was accompanied to China Lake by his wife, Jeanette, and their five children, James, Leslie, Laurie, Mike and Dale.

Social Security Man To Visit China Lake

A representative of the Social Security office in Lancaster will pay another in his regular series of monthly visits to China Lake next Wednesday, April 19.

Persons wishing to obtain a Social Security number or apply for Social Security benefits can do so at the Community Center between 8:30 and 11 a.m.

Scouts Slate Conservation Camporal at Lake Isabella

The Southern Sierra Council, Boy Scouts of America, will sponsor a conservation Camporal at Boulder Gulch Campground, on the shore of Lake Isabella, today, tomorrow and Sunday.

All of the district's 96 troops and 1,614 Scouts will take part in the three-day effort to clean up and prepare the camp sites for extensive summer use by vacationers.

The main work effort will be concentrated on delineating paths and trails, removing dead and diseased tree limbs, cleaning out and rehabilitating culverts, reconstructing fire breaks and tree watering basins, and improving the general area.

Some 20 Troops and 339 Scouts from the Desert District will be busy in the Marina and Paradise Cove areas. All of the work is being performed under the guidance of the U.S. Army Corps of Engineers at Lake Isabella.

There will be many extra at-

tractions at the Camporal for the Boy Scouts. One of the highlights will be the personal attention given to each Scout District by one of the visiting dignitaries. Rear Adm. W. J. Moran, Commander of the Naval Weapons Center, will pay "special attention" to the Scouts of the Desert District during a visit to Lake Isabella Saturday.

Guests are invited to attend the Camporal on Saturday afternoon, when a barbecue, priced at \$1.50 per plate, will be served, and take part in the campfire festivities that night.

Tentative plans call for Gov. Ronald Reagan to visit the Camporal as a guest of the Southern Sierra Council. If the governor can find time in his busy schedule to make an appearance, he will inspect the camping areas and present some awards.

In addition, he will make a presentation during a campfire ceremony and will be made an honorary member of the Order of the Arrow Lodge.



ROCKET EXHAUST PLUME PROBLEMS DISCUSSED—Andrew Victor (seated at center), an NWC employee in the Propulsion Development Department, served as chairman of a meeting held here recently by the Rocket Plume Technology Working Group of Sub-Panels D-5 and J-14 of the Technical Cooperation Program (TTCP). An international group composed of representatives from the United Kingdom, Canada and Australia, in addition to the U.S., its members concern themselves with military problems caused by rocket exhaust plume, infrared emission, plume signal interference and radar scattering effects. Shown with Victor are Dr. Frank Findley (seated at left), a Canadian representative; Harold Williams (seated at right) a member from the United Kingdom; and (standing, l-r) Dr. Lawrence Quinn and Dr. Billy Walker, U.S. Air Force and U.S. Army representatives. The one-day meeting drew a total attendance of 30. —Photo By PH3 D. W. Yeatts

New Class Schedule Begins Mon.

A three-week experiment in reorganization of the daily class schedule at Burroughs High School will begin Monday morning.

Following a careful study of recommendations made by citizen groups, students and faculty, the local high school administration has responded to the need for considering new and improved ways of utilizing instructional time at Burroughs.

Two months of effort by some of Burroughs High's most experienced teachers has gone into preparation of the new class schedule that will be tried out for a three-week period beginning Monday.

Under the new schedule, all classes will meet four times per week, twice for 55 minute period each and twice for 80 minute periods each. The present six period class day, beginning at 8:30 a.m. and ending at 3 p.m., will be retained, with the exception of Fridays, when the school will close at 2:15 p.m. Each of the periods, one through five, will meet for a total of 270 minutes per week, while sixth period classes will meet for a total of 275 minutes each week.

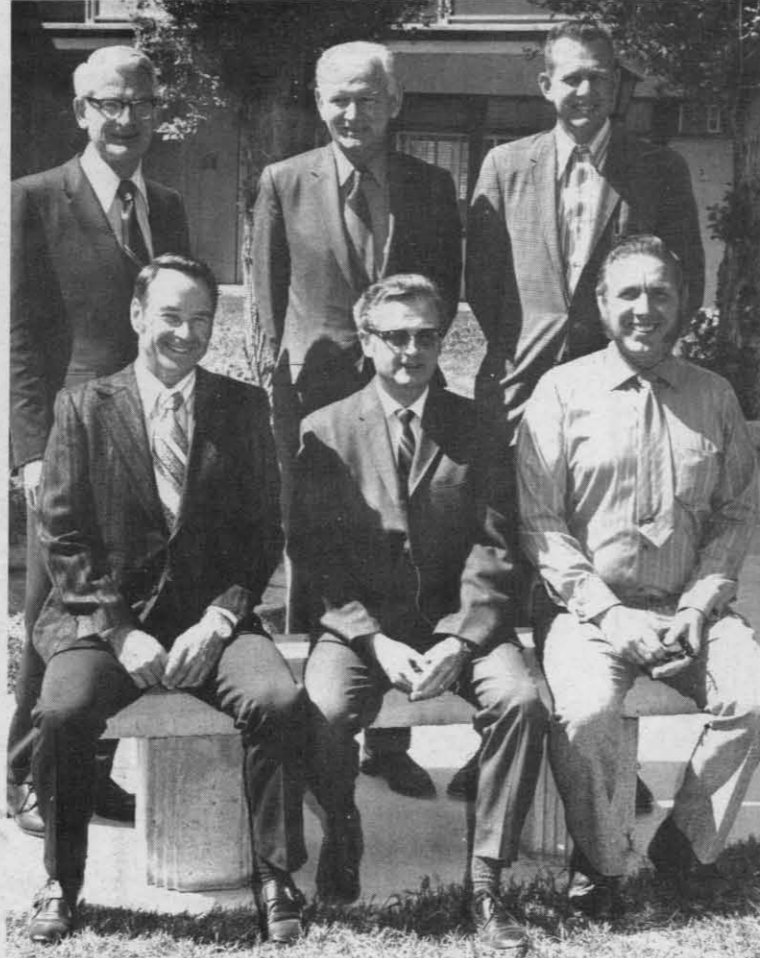
Under the proposed new schedule, Burroughs High students will experience wide flexibility in the type and conduct of the learning activities which they will experience in each of the high school's departmental programs. The extra 45 minutes at the end of school on Fridays has been planned to allow for greater ease in the scheduling of routine after-school activities.

Special meetings were held this week with students involved in after-school work experience programs in order to facilitate the continuation of their present working arrangement. Careful plans are being finalized for all areas of school activity.

Students, teachers, and administrators of Burroughs High School reportedly are looking forward with keen interest to the possibilities which are offered by this trial experiment.



20 YEAR PINS PRESENTED—Four employees in the Propulsion Development Department were the recent recipients of 20-year pins that were presented by Dr. G. W. Leonard (at right), department head. Those with 20 years of federal service to their credit are (from left) Nick Kleinschmidt, Claude H. Glover, Richard B. Eppinger and Robert B. Brown. Two other 20-year pin winners in Code 45, Florence Lindamood and Elie E. Harrison, and Arthur J. Arsenault, who is entitled to a 30-year award, were unable to be present for the photo.



SERVICE PINS PRESENTED—Total Federal service time of 110 years was represented by a group of five Fuze Department employees who were honored at a recent service pin award ceremony. The recipients of service pins that were presented by B. F. Husten (standing, at left) were (seated, l-r) Joseph Johansen, 30 years, and James C. Chambers and Jack D. Westfall, 20 years each. The two other 20 year pin recipients present for the ceremony were (standing) Richard J. Hardy (in center) and Ronald C. Wright (at right). Two other Fuze Department 30 year men, O. Lynn Laberteaux and Thomas E. Tate, and three additional 20-year men, David A. Scoles, Frank W. Schwarz and Charles R. Hamilton, were unable to be present for the photo. At the same time, a half dozen more Fuze Department employees received 10-year Federal service pins and an additional 11 received their 5-year pins.

New Officers Elected By Desert Counseling Clinic

Dr. John O'Lane, an obstetrician and gynecologist at the Ridgecrest Community Hospital, has been elected to the office of president of the Desert Counseling Clinic's board of directors.

Lois Allan, who has handled the chore of public relations for the clinic this past year, has been elected vice president and president-elect.

Other new officers are Emmanuel Dunn, secretary, and

Marjorie Vargus, treasurer.

The new officers will be installed, along with 13 others who have been elected to the board of directors, tonight during the 21st anniversary dinner of the clinic at the Commissioners Officers' Mess.

The new directors are Dr. Fred Essig, head of the Physics Division, Research Department; Dr. Al Gordon, head of the Chemical Kinetics Branch, Research Department; Johanna Webster, RN; Robert McGill, manager of the Ridgecrest office of Continental Telephone Co.; Don Winter, an engineer; Dr. Sol Spears, assistant superintendent of the China Lake Elementary School District; and Joe McQuiston, a teacher at Burroughs High School.

Re-elected to the board were the Rev. Fred Strathdee, who will be the past-president; Thom Boggs, Emmanuel Dunn, Dr. Vic Rehn, Marjorie Vargus and John Bugay.

Continuing members on the board of directors are Jane Wilson, Terry Donovan, Jean May, Dr. Pierre St. Amand, Dr. Vernon Shull and John Strang.

A social hour will precede tonight's dinner, which begins at 7:30. The dinner entree will be prime rib of beef. Dr. Daniel Grabski, newly appointed director of the Kern County Department of Mental Health, will be guest speaker of the evening. He will discuss "Directions in Mental Health in Kern County."

Employee Wins Graphic Arts Competition Award

Danny C. Jones, a visual information specialist for the Presentations Division who works in the Illustrations and Design Branch, Technical Information Department, was recently presented an award of excellence in the illustration slides of category of the Industrial Art Method's Magazine's second annual Slide Graphics competition.

Dick Johnsen's Illustrations and Design Branch won a similar award in the same contest for its overall high standards of excellence, as well.

"I am very proud of the people in my branch," Johnsen stated. "They have shown their talent and versatility in direct competition with some of the finest groups in the United States," he elaborated. "Naturally, we are proud of Jones' individual award," the branch head added. "His work is always of the highest calibre," Johnsen concluded.

Jones joined Code 7526 three years ago, after nearly two years as a general illustrator with the Graphic Arts Branch. He was graduated from South High School, in Bakersfield, and then attended Bakersfield Junior College. He holds an Associate in Arts Degree in art and another AA in history.

The accomplished artist teaches 1970 Kern County Art Festival. That same year he won first prize in the pen and ink category, and has won many other awards in art contests throughout the Southland in previous years.

He and his wife, Nancy, who works for the Fuze Department on the Center, have two children—Shawn, 5, and Shayne, 3.



Danny C. Jones

Tests of Gen'l Educational Development Set by College

General Educational Development (GED) tests, designed to provide a means of measuring the educational achievements of non-high school graduate adults, and to compare their competence with that of regular high school graduates, will be offered on Friday and Saturday, April 28-29, at the Desert Campus of Bakersfield College.

The GED tests will be conducted in the college's Business Skills Center from 8:30 a.m. to 3:30 p.m. on April 28, and from 8:30 a.m. to 12:30 p.m. on April 29.

Persons 18 years of age or over who are interested in taking the tests must register in person at the college office. There is a fee of \$7.50 for taking the tests, and it may be paid any time prior to the test dates.



SHIPS OVER FOR FOUR—Ships Serviceman Second Class James Warren Amos is being given the oath of enlistment by Lt. Cmdr. R. A. Shepard, Commanding Officer of Enlisted Personnel, at a reenlistment ceremony held recently. The nine year Navy veteran signed on for four more years. He arrived at China Lake in November, 1970, and works in the Commissary Store. Amos' wife, Virginia Ann, looks on.

Air Quality Study...

(Continued from Page 1)

particular chemical elements and decreased visibility to the prevailing weather regimes. This knowledge will aid in forecasting days of unrestricted visibility required for certain range test programs.

"We have obtained samples by using an instrumented mobile Navy van equipped with optical scattering instruments, impactors, a high volume air sampler, a variety of other filter samplers, and a complete wind, temperature, humidity and pressure measurement system," said Dr. Roberts. "A number of analysis techniques, from direct measurement and electron microscope observation, as well as wet chemical analysis and cyclotron activation, are being employed to identify the specific chemical elements collected in the samples," he added.

In the area of analysis, technical consultants from NWC have included Dr. Carl A. Heller, Code 6059, Dr. James W. Battles, Code 604, Gerald C. Whitnack, and Joseph E. Thomas, both of Code 6052. Those involved in the acquisition of air samples and instrumenting the van are Peggy A. Davis, atmospheric physicist, Code 3041, and Edward C. Ratto, meteorologist, Code 3041.

Others who have shown direct interest in the problem and have given technical support for the instrumentation are A. Raymond Kelso and Walter C. Becktel, both of Code 3041, and George H. Turner, Code 5525. Direct support has also been received from the Naval Weather Service—Environmental Detachment of China Lake.

This past February, before the completion of the NWC project, the group entered into an agreement to undertake a 14-month intensive study in cooperation with Meteorology Research, Inc., of Altadena, Calif., for the California State Air Resources Board. The NWC portion of the agreement will be directed by Paul R. Owens, a physicist in Code 3041.

This project consists of studying particulate matter in three dimensions in major California air basins. These include the South Coast (Los Angeles) and San Joaquin Valley basins. These basins are of particular concern to NWC because of air pollution flow from these areas into the Mojave Desert.

Through the use of an instrumented aircraft and the mobile van, simultaneous measurements of certain atmospheric parameters and of aerosol concentration will be obtained. The resulting product will be maps of gas and particulate concentrations at various altitudes and positions and times of the day for each dominant weather regime in each of the air basins.

This mapping will contribute to the understanding of certain atmospheric phenomena that contribute to decreased visibility and will in turn, aid in planning preventive measures.

A simultaneous study for the California State Air Resources Board is contracted to North American Rockwell, and will characterize the aerosols present with respect to sources and elemental content.

In addition to these projects, a proposal has recently been submitted to the Naval Civil

Engineering Laboratory at Port Hueneme to determine the extent that the Navy and the Air Force are contributing to lowered visibility in the Mojave Desert and Antelope Valley regions and to what extent the environment effects the mission capability of Edwards and NWC.

Data obtained from the proposed study will provide valuable future management and planning information, probable long term atmospheric impacts, and data to reasonably assess future ability to successfully perform certain mission requirements.

This would involve a cooperative effort between the Air Force, NASA, and NWC. Another proposal directed to the Federal Aviation Administration seeks to determine the impact which the introduction of airport facilities into specific areas would have on the environment.

These proposals and projects—along with others—will serve to implement President Nixon's plan for a major clean-up of federal facilities by determining what the military sources of pollution are, and how to reduce them.

Harold's Night To Be Staged By CPO Wives

For only \$200, the CPO Wives Club can support an Indian child for an entire year.

Deborah, Jealous of Him, a young Navajo Indian girl, was helped by the club last year for that amount, and this year, the women are seeking an additional \$200 to support still another Indian child. The CPO Wives Club hopes to raise the money at the annual "Harold's Night" program which is coming up Saturday, April 22, at the CPO Club.

Participants will engage in an evening of games, the winners of which will receive prizes. In addition, donations will be accepted by the CPO Wives Club and a weekend trip to Las Vegas will be awarded one of the lucky donors.

The event is open to all CPO Club members and their invited guests. The affair is slated to get under way at 8 p.m. on April 22.



THREE MEMBERS OF the team set up a sampling run. From left to right they are Edward C. Ratto, a meteorologist, Walt Becktel, an electronics technician, and Paul Owens, a physicist. Ratto watches the oscilloscope to check interference patterns, while Becktel operates a multi-channel pulse-height analyzer. Owens is reading the particle analyzer which counts particles on the air that range from 3/10 microns to 10 microns.

—Photo By PH3 D. W. Yeatts

United Fund Honors Local Residents

Presentation of awards for distinguished service and outstanding contributions to the Indian Wells Valley United Fund highlighted Monday night's annual meeting of the local health and social service organization.

A distinguished service award honoring Mrs. Phyllis O'Lane, whose term as president of the United Fund board of directors was interrupted by illness, was

presented to her husband, Dr. John O'Lane, by Milton Ritchie, master of ceremonies for the evening.

Ritchie, United Fund vice-president, who stepped into the breach when Mrs. O'Lane had to resign, also was the recipient of a special award that was presented to him by Ray Van Aken, a member of the board.

Another individual award went to Stanley Reynolds, in recognition of his role as chairman of the Combined Federal Campaign on the Naval Weapons Center, and there also was one for Bill Danley, outgoing treasurer of the United Fund, who has held this post for the past three years. The latter was unable to be present to receive his plaque, however.

Industrial firms that rated special recognition for their support of the IWW United Fund were the Control Data Corp., and the Ridgecrest branch of Texas Instruments, Inc.

Reporting briefly on the status of the local United Fund, Ritchie noted that support has grown from \$39,000 in 1969 to \$54,000 during the recently culminated campaign. This figures out to \$2.70 per capita, an amount that is well below the \$3.20 per head that is raised statewide by United Funds in California.

At the same time, Ritchie said, this state is low compared to Pennsylvania and Ohio, where per capita support of United Fund and similar drives totals \$5.26 and \$6.25, respectively.

Heavy corporate giving state-

wide is responsible for the big difference, Ritchie said, as he expressed the hope that more effort can be exerted locally in order to obtain both industrial representation and a greater percentage of participation by local residents in the United Fund campaign.

With the help of 14 new board members, whose selection was announced at Monday night's annual meeting, Ritchie said that planning for this year's fund drive in the fall will begin next month.

The new board members are: Ken Anderson, C. A. Arnold, Sharon Ballenger, Robert Forster, Don Huxhold, Gerald Miller, Ray Miller, Don Peterson, LeRoy Sampson, James Stanford, the Rev. Fred Strathdee, William Sutherland, Ruth Westcott and Don Yockey.

Guest speaker of the evening was Gary King, NWC's community services coordinator, who discussed his work here in the field of drug abuse.

At the newly-established Middle Earth House, 313 Princeton St., China Lake, it is his hope, King said, that instead of treating symptoms that alternatives to the use of drugs can be offered. One-to-one counseling and group interaction were two such alternatives mentioned by the speaker.

King advocated the need for a live-in drug rehabilitation center in Kern County, and also touched on some of the most common explanations he hears from those who have turned to drug use.



LEROY D. MARQUARDT, head of the Technology Development Division, and physicist Peggy Davis look at visibility measurements.

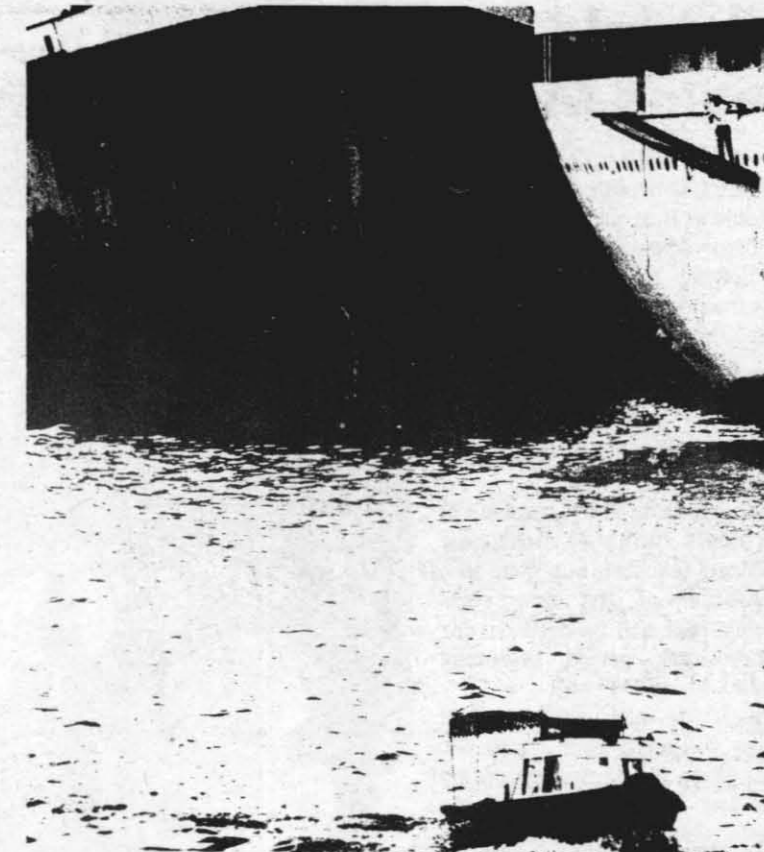
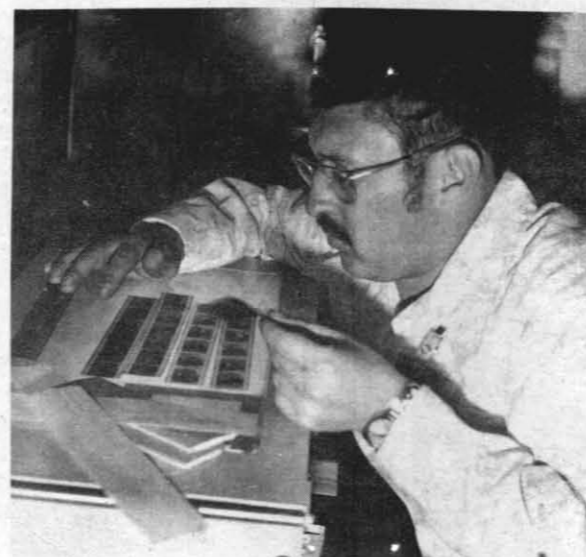
Rocketeer Photo Lab Stresses Quality, Imagination and Professionalism in Work



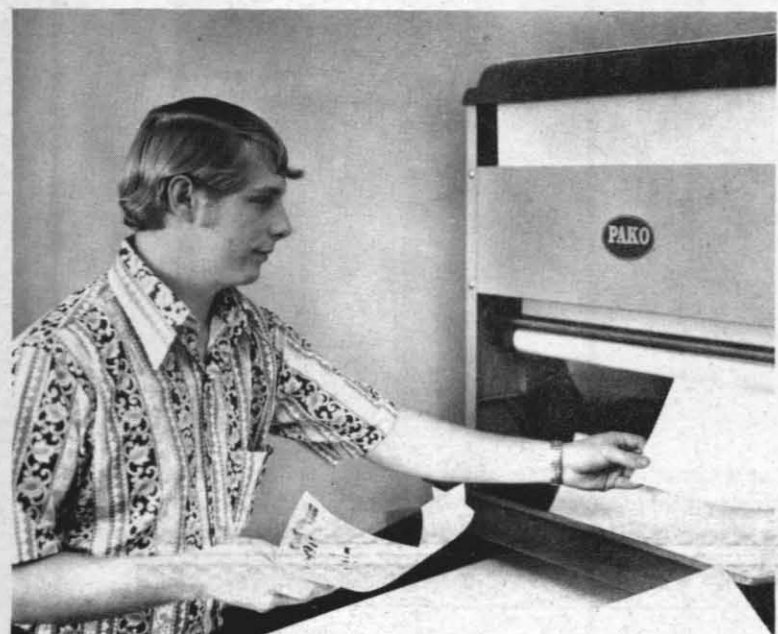
A LONE SENTINEL in the outer ranges of NWC is this monorail tie, pointing toward the setting sun. This is a favorite of Ron Mills, who recently published a spread of fine photos taken on the Center's test ranges.



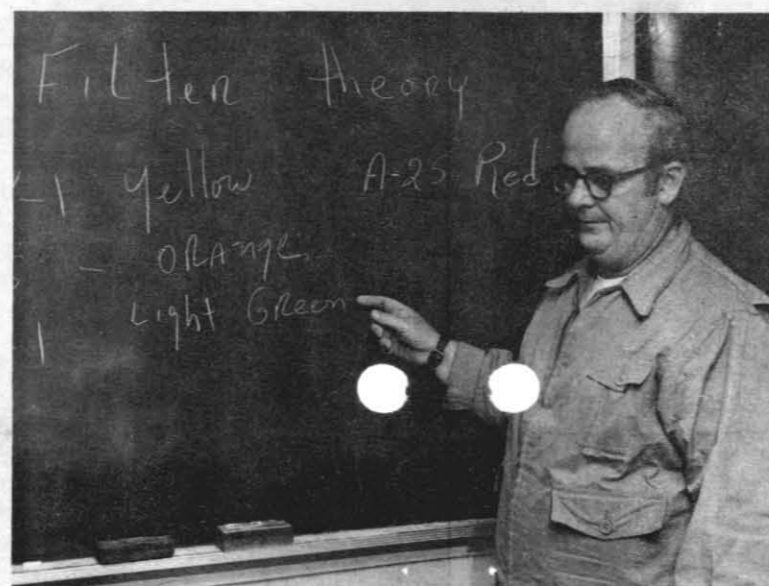
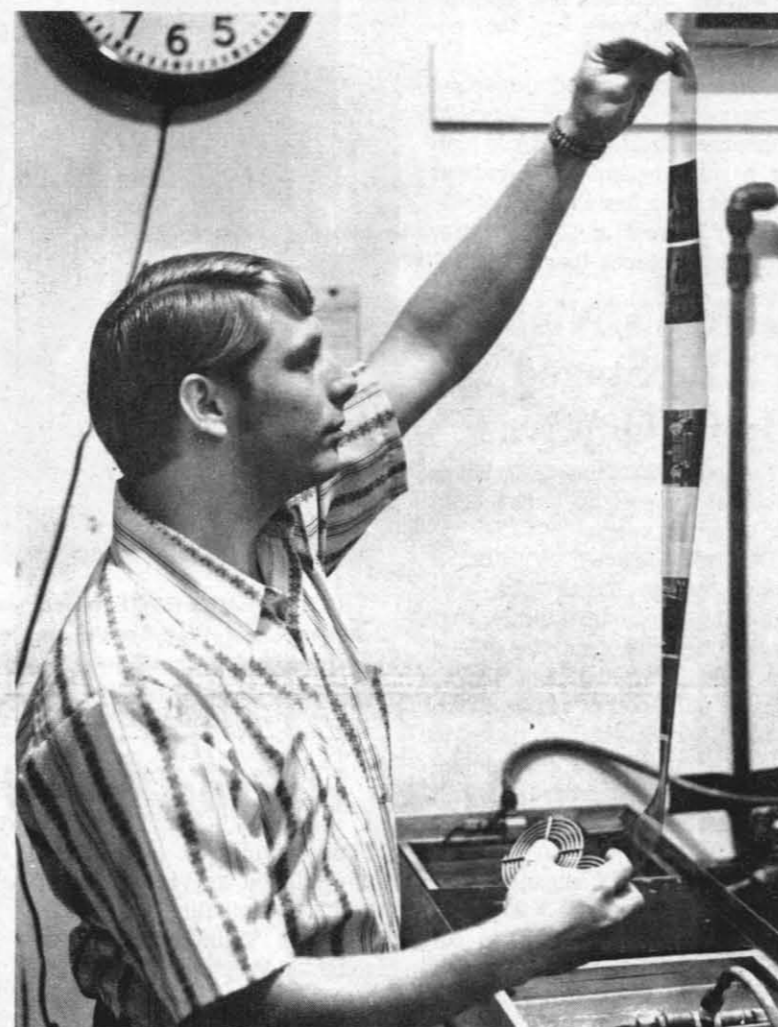
AT LEFT, PH1 D. C. Manderscheid operates the camera in the portrait studio. Manderscheid is the ROCKETEER photo lab supervisor. On the right he is repairing a camera, another of his many talents. Below—PH2 E. R. Ortiz inspects negatives for defects as part of the continuing quality control in training.



GLEN TAYLOR'S favorite shot is of a ship that seems to be rapidly running down another vessel. Taken with a telephoto lens, the eye of the camera caught a man painting the hull of the large ship in the foreground.



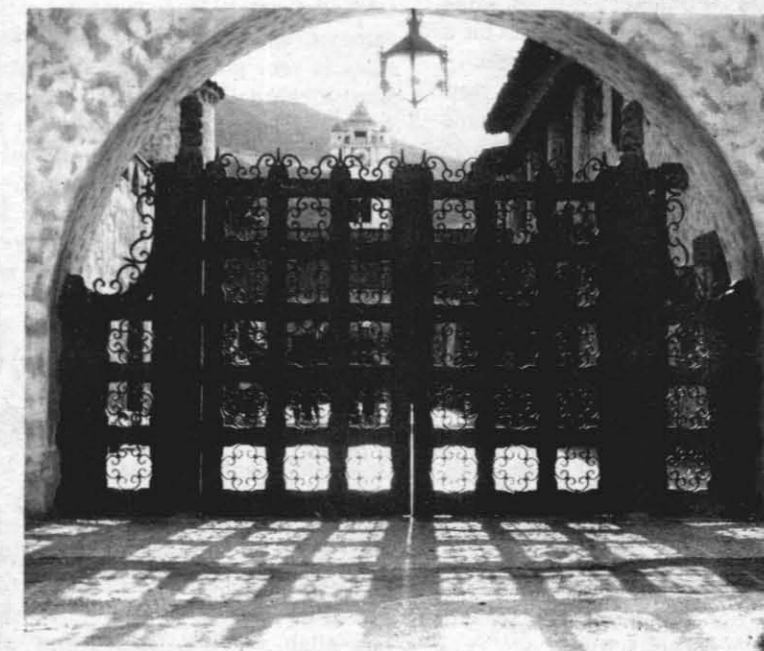
PH3 Dan Yeatts operates the dryer. The photographers can use the dryer to get either a high gloss or a matte finish on the prints used in the ROCKETEER.



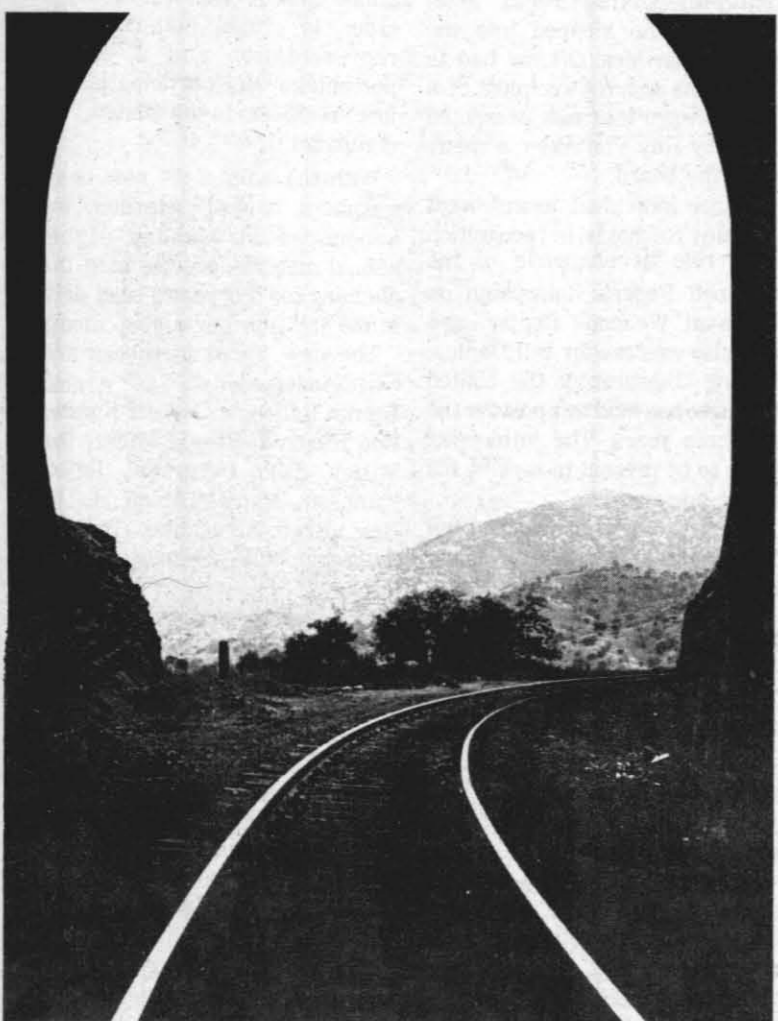
PHCS C. E. Bruce, 13th Division Officer, instructs three or four mornings each week at the photo lab. Chief Bruce believes in a continuous training program in order to keep the photographers' knowledge updated regarding new processes and equipment. In addition, he uses the classroom sessions to sharpen the men's skills in routine assignments and day-to-day work.



ABOVE—Ron Mills washes prints in a solution which helps to bring out a high gloss finish. The lab develops approximately 30 rolls of film per week and processes each roll as if it were the only one worked with that day.



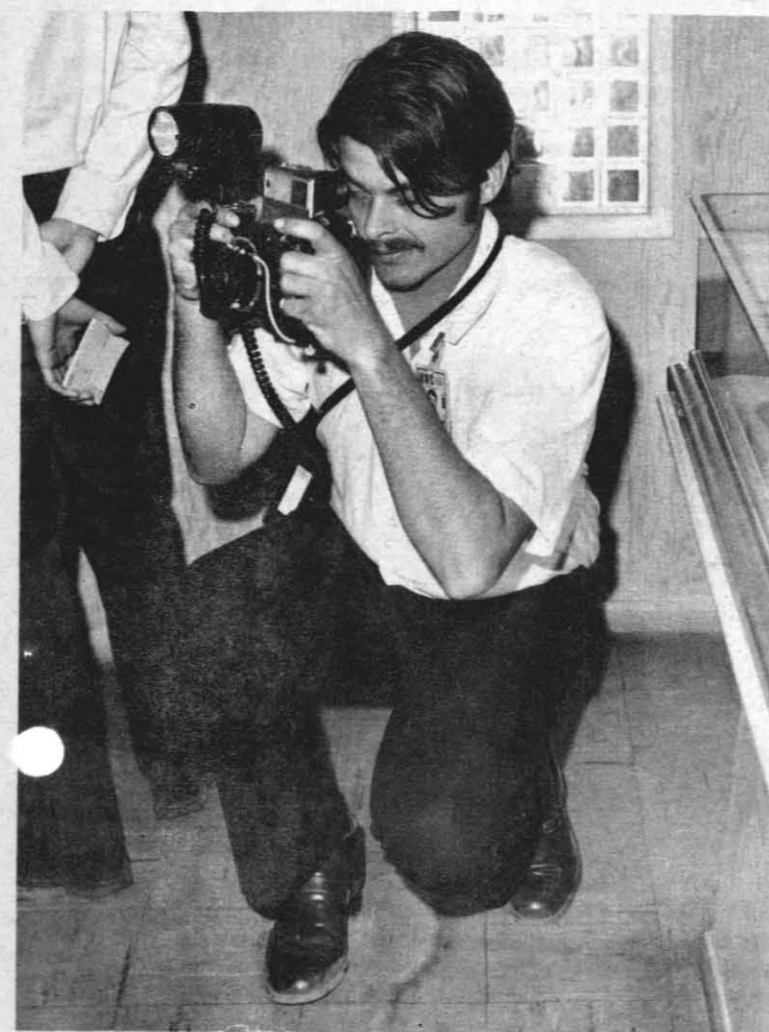
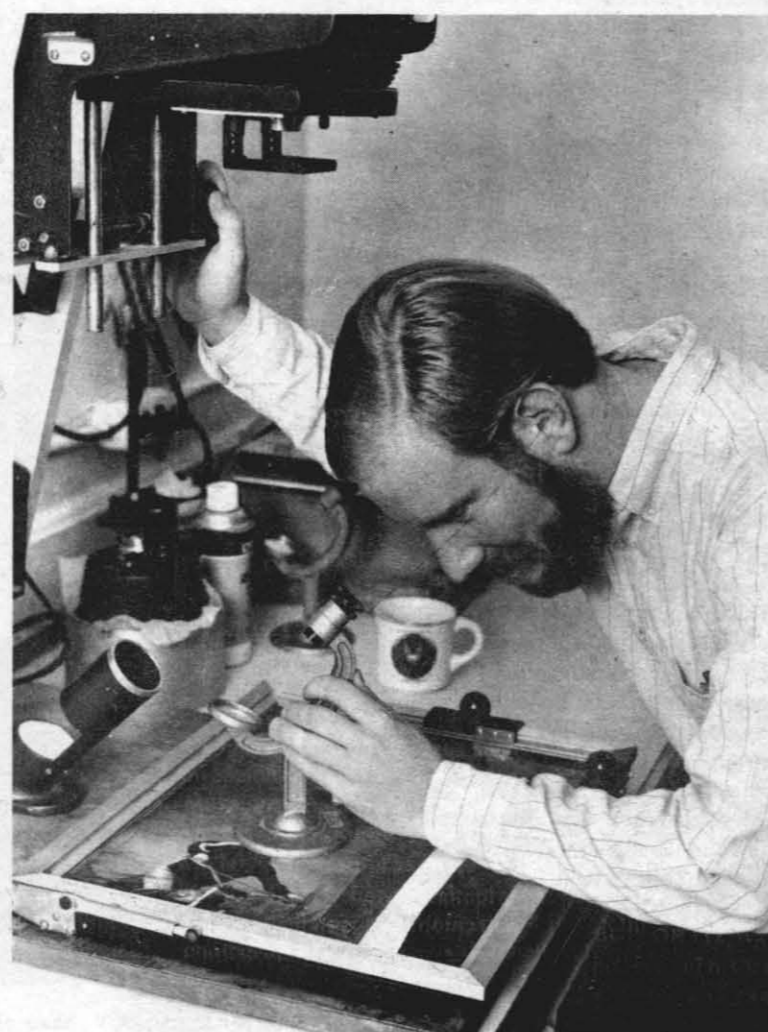
THE GATES OF Death Valley Scotty's castle were caught in the late afternoon by Don Manderscheid, revealing an intricate pattern of lights and shadows, which, when combined with the texture of the stucco, form a photo of quiet beauty.



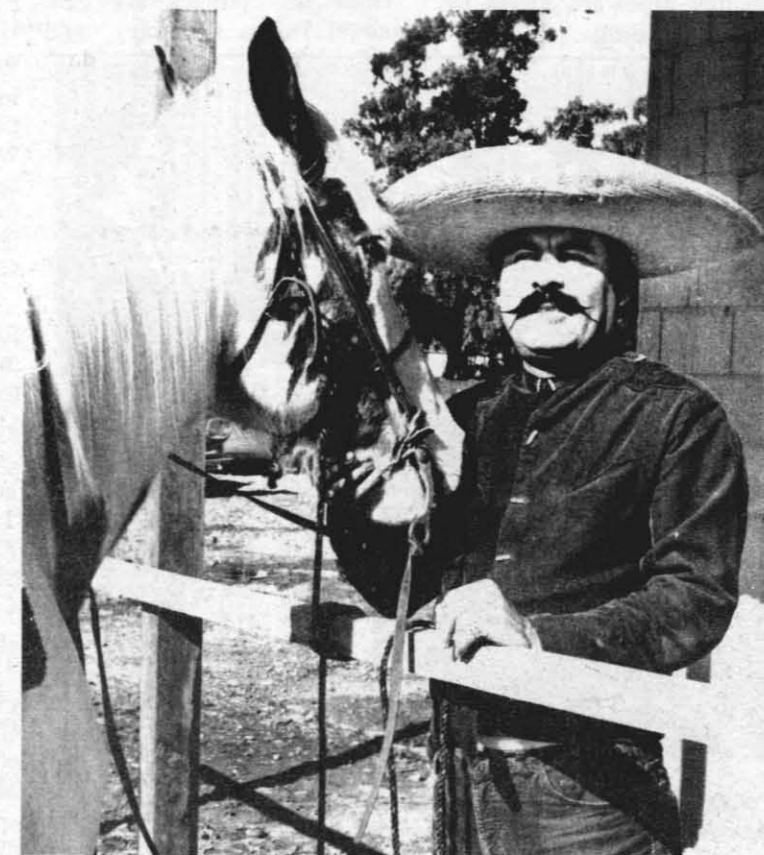
THIS IS Dan Yeatts' favorite photo. He snapped the picture inside a tunnel in the mountains around Tehachapi. (He nearly got caught by a train while inside the tunnel and had to run "very quickly" in order to avoid injury.)

ABOVE—Dan Yeatts develops a roll of film in the lab. Quality control is very important in the darkroom and the ROCKETEER photo lab is as air tight as possible to keep the dust out. The boys are set up to develop any size film, but work primarily with 2 1/4 in. square negatives and occasionally with 35mm negatives.

AT RIGHT—Ron Mills is grain focusing. This is a process of around 16 to 25x magnification which allows the photographer to see the silver halides that form the image. Care such as this is taken with every print that comes out of the darkroom.



LEFT—PH2 Glen Taylor is seen on assignment in the Maturango Museum. Each photographer shoots assignments with a variety of cameras and is qualified as a news photographer as well as a documentation photographer.



BOB ORTIZ was stationed in the San Jose area and took many pictures of his friends while there. This particular photo is a favorite of Bob's and shows a Charro buddy of his dressed in the "working man's" costume.

PHOTOS BY

PH2

G. L. TAYLOR