

'Membership' Night at COM to feature western band, BBQ

Gene Bear and his 3-piece country and western-style combo will play tonight for the listening and dancing pleasure of patrons who attend the monthly "Membership Night" party at the Commissioned Officers' Mess.

A gala evening is planned, and reservations may still be made by calling 446-2549 by 4 o'clock this afternoon.

Plans call for a country barbecue buffet which (weather permitting) will be served on the lanai at the COM. A charcoal-broiled chicken dinner will be served from 6 to 9 p.m., and there will be musical entertainment from 9 p.m. to midnight.

Other special events coming up at the COM are "Barbecue Night" on Tuesday, Aug. 1; "Italian Night" on Thursday, Aug. 3, and "Diners' Night" next Friday, Aug. 4.

Pork spareribs and spring chicken dinners will be served from 6 to 9 p.m. on Tuesday, while on Thursday, COM patrons and their guests are invited to enjoy special Italian entrees or the club's special spaghetti and meat sauce dinner.

On "Diners' Night" next Friday, the menu will include prime rib of beef, surf and turf, whole lobster, or crab legs and claws served from 6 to 10 p.m. Free hors d'oeuvres will be provided during the social hour from 4:30 to 6:30 p.m.



ICE CREAM SOCIAL SUCCESSFUL — A profit of \$800 was realized from last week's ice cream social sponsored by the Protestant Women of the Chapel (PWOC) — an event which drew an attendance estimated at 1,000 persons. Among the volunteers who helped dish up ample servings of homemade pies, cakes and ice cream were Sandy Stephens (in foreground, top left photo), and (at right) Lou Czerwonka and Chaplain Rod Wallace. Mary

Netzer (lower left photo) was one of three "Tattoo Ladies" who helped raise additional money by her artistic efforts, while music for the throng of summertime fun-seekers was provided by Ken Robinson's Dixieland band. The bulk of the money raised from this, the PWOC's major fund-raising activity of the year, will go to the Ludhiana Christian Medical College in India. Six other mission projects also will share in the proceeds.

Stage classic 'Front Page' to be presented tonight, tomorrow by BHS Summer Players

"The Front Page," a play that revolves around a group of reporters waiting to witness an execution, will be presented tonight and tomorrow night at the Burroughs High School lecture center. Curtain time is 8:15.

The three-performance run, which began last night, is being staged by the Burroughs Summer Players, a group of students attending the school's summer classes. It is directed by Burroughs teacher Alan Kubik and Steven Carter, a 1974 Burroughs graduate.

The play has been adapted twice as a movie. The first film starred Pat O'Brien, and the second, more recent version starred Walter Matthau and Jack Lemmon. It is considered a stage classic.

Heading the cast are Brett Battles as the errant Hildy Johnson and Dave Craddock as his irascible boss, Walter Burns.

Other featured performers are Cheri Knight, Juli Pinney, Matt Doig, Cathy Connolly, Shawn Dugan, David Saint Amand, Brian Weathersbee, Rabi Thompson, Lloyd Handler, Clay Bancok

Popular disco music gp. booked at Enlisted Mess

The Enlisted Mess is featuring a return engagement of "Silverwolf" tonight and tomorrow night from 9 until 1:30 a.m.

The group is billed as a very high energy Top 40 and disco band that has toured all over the country and is touted as one of Southern California's finest night club bands.

The musicians have worked extensively in the area and have gained considerable popularity on the military club circuit.

There will be a \$1 cover charge for the Silverwolf performances.

The group's last performance at China Lake was a special presentation of popular tunes of the 1950s.

New books listed at NWC library

A complete list of new books is available in the NWC library. Library hours are Tuesday thru Friday: 1-9 p.m.; Saturday: 12-6 p.m.

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

FICTION

- William Bayer — Tangier.
- Gordon Dickson — Time Storm.
- Dick Francis — Risk.
- Maria Katzenbach — The Grab.
- Belva Plain — Evergreen.
- John Rease — Hangman's Springs.

NON-FICTION

- Terry Davidson — Conjugal Crime; Understanding and Changing the Wifebeating Pattern.
- Larry L. Meyer — California Quake.
- Leo Rosten — The Power of Positive Nonsense.
- Helga Sandburg — A Great and Glorious Romance.
- Fred Ward — Inside Cuba Today.
- George Weinberg — Self Creation; The One Key Principle That Will Show You What You Are, How You Became That Way, How You Can Change.

U.S. Government Printing Office: 1978—No. 136

From: _____

To: _____

PLACE
STAMP
HERE

Thunderstorm on Mon. brings hot, humid weather

Monday's late afternoon and evening showers dumped .18 inch of rain on Armitage Field but much more in other Indian Wells Valley locations, Chief Aerographer's Mate Chelmar Finger said.

Chief Finger, a forecaster at the Naval Weather Service Environmental Detachment, said that thunderstorms are a normal occurrence here during July and August, but are a little late in getting started this year.

Sweltering Centerites kept indoors Monday and Tuesday afternoons to escape the rising humidity but found little relief from swamp coolers with five times the amount of moisture in the air than that which usually accompanies 100-degree and above temperatures here.

Humidity Soars

By 1 p.m. Monday, the temperature had reached 103 degrees and the humidity was 22 percent. As the clouds formed and the showers began, the temperature dropped and the humidity rose. At 7 p.m., when the biggest shower struck China Lake, it was 76 degrees and the humidity was 64 percent.

Peak wind gusts during the storm reached 45 knots at the airfield, and lightning was observed in most nearby areas.

Chief Finger said that the normal humidity readings here when the temperature reaches 100 degrees and higher are about 6 percent. Tuesday afternoon's humidity readings reached 30 percent at mid-day with a temperature of 97 degrees. No rain fell at Armitage Field Tuesday.

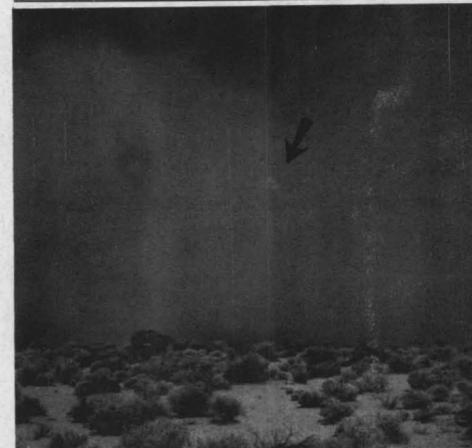
The thunderstorms resulted from a flow of moist air moving northwest from the Gulf of Mexico that extended over Arizona and into Southern California, Chief Finger explained.

This is a typical weather pattern that alternates with hot, dry spells this time of the year, and Centerites can expect afternoon and evening thunderstorms off and (Continued on Page 3)



Naval Weapons Center
China Lake
California

July 28, 1978
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DUST-FREE LANDING — In the left photo, a helicopter (arrow) hovering a few feet above the ground is enveloped in dust. The



same helicopter hovers over the same spot (right) after applying a dust suppressant and soil stabilizing agent to the ground.

Solution is discovered to problem of dust created by helicopter hovering near ground

The swirling clouds of thick dust created by a helicopter hovering close to the ground can be dangerous as well as unpleasant. The dust can cause serious damage to a chopper's engine and other moving parts.

The Applied Science Branch of the Ordnance Systems Department has discovered a solution to this dust problem that may have a broad range of applications, both military and civilian.

Scientists and technicians conducting ground stabilization and dust control experiments determined that by mixing an emulsion of ethylene vinyl acetate and water with earth, sand or gravel, a substance forms that is waterproof, erosion-proof and has one-third the strength of concrete.

Ethylene vinyl acetate is a latex adhesive derived from petroleum that is similar to the household product marketed under the trade name "Elmer's Glue." When the emulsion is sprayed on dry ground, it penetrates the soil. About 48 hours later, when it has dried, the mixture of soil and emulsion has hardened into a dust-proof helicopter landing pad.

Experimenting with another moisture-curable adhesive made from soy bean by-products, researchers have formulated a second emulsion that hardens more quickly than ethylene vinyl acetate.

The emulsion formed with the soy bean derivative can be used to stabilize moist soils near bodies of water or in tropical rain forests and other areas of high humidity.

Ethylene vinyl acetate is much less expensive than the soy bean adhesive; however, it hardens more slowly and is best

used in dry climates.

Tests have shown that a dust-proof helicopter pad can be formed by spraying desert soil with a mixture of one gallon of ethylene vinyl acetate and an appropriate amount of water for every two square yards of ground surface.

The adhesive presently costs about \$2.50 per gallon.

The relatively inexpensive helicopter pad that is formed in this way will withstand compression loads of several hundred pounds per square inch, will resist the heat of a jet exhaust and is impervious to water.

In Charge of Tests Under the direction of Ted Herling, a Code 3244 engineering technician, tests are now being conducted to determine the proper mixture of adhesive and water to obtain desired strengths and ideal soil penetration depths.

The Naval Weapons Center began dust abatement studies several months ago. They were initially conducted by Kenneth Moore, a former NWC employee who was a research physicist in the Ordnance Systems Department.

Assisting Moore was Dr. Russell Reed, Jr., an NWC Propulsion Division senior research scientist and consultant on organic and polymer chemistry. Dr. Reed and Herling have continued with Moore's earlier work in dust abatement which has led to a patent application recognizing a new use for ethylene vinyl acetate as a soil stabilizer and dust suppressant. The Civil Engineering Laboratory at Port Hueneme is looking into other possible uses.

Will Strengthen Concrete Preliminary studies show that when the adhesive emulsion is added to concrete, it not only waterproofs the concrete, but retards its decomposition and adds to its strength and flexibility as well.

Different soils — clay, decomposed granite, dirt and sand — are being mixed with the emulsion to determine what percentage of ethylene vinyl acetate and water is most effective when combined with these soil materials.

Depending upon the outcome of these and other tests, the emulsion may prove useful for surfacing roads, as a lining for dry lake beds and other earthen water storage areas and to prevent hillside erosion and mud-slides.

Simple earth can be mixed with the (Continued on Page 3)

Advancements in rate received by 61 sailors at China Lake

Sixty-one China Lake sailors have pinned on new "crowns" as a result of their taking Navy-wide advancement in rate examinations. Most of the promotions became effective this month.

At the top of the list of those promoted was Master Chief Aircraft Maintanenceman James E. Tucker, the Center's newest E-9. AFM Tucker received his advancement certificate and congratulations from Rear Admiral William L. Harris, NWC Commander.

AFM Tucker is the Aircraft Department's Maintenance Chief Petty Officer, and he was one of three Centerites who received promotions in the CPO category.

One chief was promoted to E-8, and one "white hat" qualified for initiation into the ranks of "hard hats" by his promotion to chief petty officer E-7. Senior Chief Radioman Hector Estrup picked up his first star, and Chief Aviation Structural Mechanic William Wright reached the first rung of the CPO ladder.

RMCS Estrup is in charge of the Military Administration Department's message center. AMSC Wright is an airframes chief in the Aircraft Department.

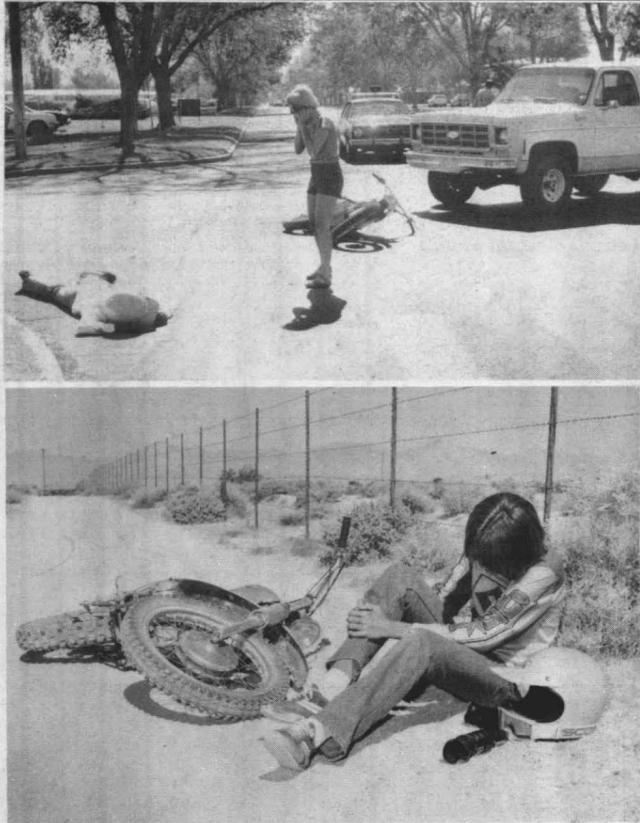
AFM Tucker and RMCS Estrup took their advancement examinations last November and were named for promotion by a selection board that convened in Washington, D.C., last March. Their new rates were effective July 16.

AMSC Wright was selected for promotion last year, and he was advanced last month while he was en route to China Lake from duty in Japan.

Two smaller groups of enlisted personnel will be advanced next month and in September. They will bring the total of local promotions to nearly 90 when their names are released.



TWO STAR ADMIRAL CONGRATULATES TWO STAR CHIEF — Rear Admiral William L. Harris, NWC Commander, presents Master Chief Aircraft Maintanenceman James E. Tucker with a certificate of promotion to the Navy's highest rate. AFM Tucker is the Aircraft Department's Maintenance Chief Petty Officer. Mrs. Tucker witnessed the ceremony, which took place in the admiral's office last week. —Photo by Ron Allen



'CYCLE ACCIDENTS SIMULATED — While these are only simulated accident scenes, they do depict actual incidents involving injuries to motorcycle riders. The top photo is a replay of mishap at the corner of Blandly Ave. and Hussey Rd. The motorist, who failed to see a westbound motorcycle rider, pulled out into the intersection and hit the 'cycle. The rider, who was thrown off and hit the curb, was wearing a helmet which saved him from more serious injuries. In the lower photo, an inexperienced motorcycle rider traveling too fast on a sandy, desert road hit a bump and lost control of the 'cycle. He suffered a broken leg, as well as numerous cuts and abrasions.

— Photos by Ron Allen

Program emphasizing need for motorcycle safety slated Aug. 2

In order to bring attention to the problem of motorcycle accidents, a special program will be presented at 10 a.m. and again at 1 p.m. next Wednesday, Aug. 2, at the Community Center.

The program is intended for the benefit of all motorcycle riders — civilian, military and their dependents — and all interested persons are invited and urged to attend.

Films will be shown which emphasize safe riding techniques and how to handle the unexpected, such as a tire blowout, stuck throttle, broken cable, or high speed wobble. In addition, the techniques for carrying passengers and loads will be covered, as will the best and safest method for getting over an obstacle that cannot be avoided.

Introductory remarks by Capt. F. H. M. Kinley, NWC Vice Commander, will be followed by talks that will be given by Lt. I. G. Erskine, commander of the Mojave Area

of the California Highway Patrol, and Capt. R. W. Taylor, officer-in-charge of the Branch Medical Clinic at China Lake.

Lt. Erskine will discuss motorcycle accidents, hazards and safety, while Capt. Taylor will report on the medical problems of motorcycle accident injuries.

Adequate time will be allotted for questions from the audience, and members of the Motorcycle Safety Committee will be present to share their knowledge on this subject.

A supply of reflective tape which can be applied to the helmet of a motorcycle rider, or to the 'cycle itself, will be available for anyone who wishes to pick it up. In addition, someone who attends will leave with a door prize — a coupon good for dinner for two at their favorite club on the Center.

Both on-road and off-road motorcycle riders are expected to attend this Command-sponsored program.

The Rocketeer
Official Weekly Publication
Naval Weapons Center
China Lake, California

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NWC Commander

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Technical Director

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Head,
Technical Information Department

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Associate Editor

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

Promotional Opportunities

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

Electronics Engineer, GS-855-9/11, PD No. 7742033E, Code 4243 — This position is located in the Telemetry Technology Branch, Telemetry Division, Range Department. The incumbent designs and tests telemetry packages to be used in the test and evaluation of missile systems. He is responsible for engineering documentation and evaluation of engineering changes in telemetry design. **Job Relevant Criteria:** Knowledge of solid state electronics in the airborne telemetry area; familiarity with the principles of other fields such as chemistry, mechanical engineering, metallurgy, and thermodynamics; ability to deal effectively with persons of diverse backgrounds and disciplines.

Ordnance Equipment Mechanic, WG-4441-8/10, JD No. 4814/438N, Code 4211 — This position is located in the Ballistics Test Branch of the Range Department. Duties are to assemble, modify, and service test hardware used in the experimental and developmental evaluation of warheads, rockets, missiles, high explosives, and ordnance-related items. The incumbent will operate specialized test equipment while working with ordnance items. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision. Knowledge of equipment assembly, installation, repair, etc. Ability to use, operate, and/or maintain the tools and equipment used in the trade; to use measuring instruments used in the trade; to read, interpret, and apply the instructions, specifications, blueprints, etc. used in the trade; to find trouble, determine method of repair, and use appropriate tests; to perform the theoretical, precise, and/or artistic tasks of the trade. Supplement required. Previous applicants need not re-apply.

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

Mechanical Engineer, GS-830-7/9/11/12, PD No. 7533050-1E, Code 3353 — Applications will be accepted from both NWC employees and status eligibles. This position is located in the Exploratory Development Branch, Electromechanical Division, Fuze and Sensor Department. Duties of the position are associated with the development of fuzing systems that are capable of surviving the high impact shock levels associated with the supersonic impact of hard target. The development involves the design of mechanisms, electronic packaging, explosive components, impact shock measurement techniques, testing methods, and computer simulation. **Job Relevant Criteria:** Knowledge of ordnance systems; knowledge of explosives and explosive components; demonstrated ability in use of advanced packaging techniques for complex electronic circuits and components.

Mechanical Engineer, GS-830-7/9/11/12, PD No. 7733071-E, Code 3355 — Applications will be accepted from both NWC employees and status eligibles. This position is that of a project engineer in the Special Projects Branch of the Fuze and Sensors Department. Duties will include planning and direction of the development of rocket motor arm-firing devices for current and future guided missile rocket motors. **Job Relevant Criteria:** Knowledge of small fuzing mechanisms and material properties of explosives and pyrotechnics; ability to work closely with other engineers and technicians and other government agencies and contractors; demonstrated ability to communicate, orally and in writing.

Freight Classification Assistant, GS-2131-7, PD No. 7825000N, Code 25942 — This position is located in the Shipping Section, Traffic Branch, Material Division, Supply Department. Incumbent verifies the authority for shipment of material and equipment; determines proper transportation funding; assigns required delivery dates; consolidates compatible materials to single destinations; determines the proper freight classification of shipments; and is responsible for proper preparation of associated paperwork. **Job Relevant Criteria:** Knowledge of hazardous materials and their compatibility for shipping and storage; basic understanding of transportation funding and transportation account codes; ability to use fact

and diplomacy in dealing with both on and off-center personnel.

Supervisory Supply Technician, GS-3005-9, PD No. 7825028N, Code 2575 — Applications will be accepted from both NWC employees and status eligibles. This position is the head of the Receipt Control Branch, Control Division, Supply Department. The function of the branch is to exercise control over material and services received or due from government, commercial and other sources. Incumbent plans, directs, coordinates and analyzes the activities of the branch to ensure the timely and accurate processing of a large volume of receipts and invoices. **Job Relevant Criteria:** Ability or potential to supervise an organization; technical knowledge of purchase methods and regulations, voucher examining methods and regulations; receipt control functions; ability to meet and deal effectively with others; ability to work well under pressure.

Contract Negotiator, GS-1102-11/12, PD No. 7825017E, Code 2525 (2 vacancies) — Applications will be accepted from NWC employees and status eligibles. This position is located in the Contract Negotiation Branch in the Supply Department. Reviews procurement requests for potential problems; prepares procurement plans and support documents; performs bid or proposal analysis; prepares proposed contract with all major elements; documentation. The incumbent processes purchase requests involving procurement planning through solicitation, evaluation of bids, and award recommendation. Dollar value of procurements ranges from \$10,000 to \$100,000. **Job Relevant Criteria:** Knowledge of government procurement policies and regulations such as ASPR, NPD, etc.; ability to communicate effectively both orally and in writing; to use negotiating techniques in the procurement process; to independently conduct cost and price analyses, and ability to select appropriate contract types and formulate contract terms and conditions.

Electronic Engineer, GS-855-9/11/12, PD No. 7433010-1E, Code 3352 — Applications will be accepted from both current NWC employees and status eligibles. This position is organizationally located in the Air-Launched Weapons Fuze Branch. Duties are to work on contact fuze triggering devices for missile systems. This includes engineering analysis and studies to develop the electronic circuitry required for a specific contact fuze. Incumbent makes calculations and analysis and performs tests in order to arrive at sound design circuitry and best selection of electrical components to meet the functional requirements and high reliability of fuzing systems. Incumbent is required to fully consider packaging restraints, mechanical requirements, and other related areas of manufacturing and production engineering. **Job Relevant Criteria:** Knowledge of electronic design, of shock and vibration phenomenon and hybrid electronic packaging techniques, and of missile system testing and assembly.

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

Air Conditioning Equipment Mechanic Leader / Boiler Plant Equipment Mechanic Leader, WL-5306-5209-10, JD No. 613N, Code 24424 — This position is in the Electrical and HVAC Branch, Maintenance Utilities Division, Public Works Department. The incumbent will work directly under the supervision of the foreman in the Maintenance

(Continued on Page 7)



DIVINE SERVICES

PROTESTANT	
Sunday Worship Service	1015
Sunday School — All Ages	0900
Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant.	
Communion Service first Sunday of the Month.	
ECUMENICAL	
Wednesday Noon Bible Study	1130
Thursday Men's Prayer Breakfast	0630
ROMAN CATHOLIC	
MASS	
Saturday 1700 fulfill Sunday obligation	
Sunday 0830 1130	
Nursery, Chapel Annex 1	0815-1245
Daily except Saturday, 1135, Blessed Sacrament	Chapel
CONFESSIONS	
Daily 1115 to 1130	
Saturday 1615 to 1645	
Sunday 0800 to 0825	
RELIGIOUS EDUCATION CLASSES	
Sunday First thru 6th grades	1015
Sunday Pre-school & kindergarten	1115
Sunday seventh & eighth (Junior High)	1900
Above classes are held in the Chapel Annexes across from the former Center Restaurant.	
Sunday evening Ninth thru 12th grades	
As announced "In Home" Discussion Groups	Youth Rallies
Contact Chaplain's Office for specifics.	
JEWISH SERVICES	
EAST WING — ALL FAITH CHAPEL	
Sabbath Services every Friday	1930
UNITARIANS	
CHAPEL ANNEX 95	
Sunday Services — (Sept. — May)	1930



PATENT AWARD — An additional award for a patent on a device called a low altitude optical altimeter was presented recently by Bill Porter (at right), head of the Weapons Department, to Lyman VanBuskirk. The latter, a mechanical engineer in the Systems Integration Branch of Code 39, developed a low altitude optical range finder for measuring the distance from an aircraft or other vehicle to the sea, the ground or another object.

Mets defeat Cubs in 2 straight games, win Farm Div. title

In a best two-out-of-three game series played last week, the Mets won the 1978 championship of the China Lake Little League's Farm Division.

The Mets, winners of the second half, faced off against the Cubs, who were the division leaders at the midway point in the season, and came out on top by scores of 17-10 and 13-9.

Chip Johnson and Ray Auger scored 4 runs each to lead the Mets to their 17-10 victory over the Cubs. Kirk Manley, the winning pitcher, also played a vital role in the Mets win by scoring 3 runs.

Outstanding players for the Cubs in the first playoff game were Phillip Brandt, Kyle Blecha and Ken Sandberg, who tallied 2 runs apiece for their team.

In the second and what turned out to be the deciding game of the Farm Division playoffs, Chip Johnson not only pitched the entire game, but led the Mets in scoring with 4 runs to his credit.

Johnson was joined in the Mets 13-run scoring parade by Darren Butler, who tallied 3 times.

Three players for the Cubs — Brandt, Sandberg and James Burkhart — accounted for 6 of their team's 9-run total as they scored 2 runs each.

Area 1 tourney...

(Continued from Page 6)

Lake a 3-1 lead.

What turned out to be the game-winning run was tallied in the top of the fourth by Tommy Sauers, third baseman for China Lake, who hit a single and moved to second on a hit by Tracey Gates. Sauers then stole third and scored when the short stop for the Ridgecrest team bobbled a hard hit ball off the bat of Means.

Key defensive plays turned in by the China Lakers included a catch in left field by Tim Lewis that had it been missed would have been a home run, the game-ending catch of a foul ball by Mark Kaupp near first base, and several excellent plays turned in by Tommy Sauers at third base.

The China Lakers played errorless ball in both Little League tournament games played at Independence.

Softball league...

(Continued from Page 6)

In the National Division, the Homestead team tightened its grip on first place with a 10-1 win over Sports Etc. Scores of other slow pitch games played last week were:

Bird Olds 28, CSC 7; Pizza Villa 26, Rat Pack 13; Shackletts 10, NWC O's 3; Marauders 14, Pizza Villa 12; Knights 21, VX-5 11; Bird Olds 20, Grand Good 6; and Shackletts 11, Rat Pack 0.

Proposed revisions in military pay policy discussed

Chief petty officers and enlisted personnel career counselors got the word on recommendations made by the President's Commission on Military Compensation from the Naval Material Command's Fleet Master Chief Petty Officer, Bob Evans, last week.

FMC Evans visited the Center on July 19. He was a member of the President's Commission, also known as the Blue Ribbon Pay Panel, and represented Navy enlisted personnel before that group.

FMC Evans said that he didn't expect Congressional approval of any revision to existing policy on military pay for at least the next two years.

He pointed out that if any changes are made they will not affect personnel who have five or more years of service nor those who have served more than one hitch.

The President emphasized this point in his covering letter to the commission's report when he stated that any service personnel with a substantial investment in the service would not be affected by any changes, FMC Evans said.

Among the recommendations made by the panel was elimination of "double dipping" by retired military personnel. Under the provisions of this recommendation, persons who hold Civil Service jobs after retiring from the military service would not draw retainer or retired pay in addition to their Civil Service salaries, FMC Evans said.

Instead, they would draw only their Civil Service salaries and then combine military and civil service for computation of retired pay when retiring completely from the

China Laker places 3rd in Guadelupe Island yacht race

Ruel Cameron, a yachtsman from China Lake, returned last weekend after competing with his 36-ft. Columbia class sloop "Tahuna" in the sixth annual Guadelupe Island yacht race.

Crew members of the "Tahuna," which placed third in the race, were Col. Lee Madera, the Naval Weapons Center's Marine Corps Liaison Officer; Charles Dye, an acting branch head in the Systems Development Department, and two former China Lakers — Sel Ramsey and Bill Funkhouser.

Guadelupe Island is located 300 miles south of Newport Beach, where the race began, and is about 150 miles off the coast of Baja California.

According to Cameron, owner and skipper of the "Tahuna," his craft was leading at the halfway mark coming around Guadelupe Island, but lost out in the tacking duel during the approach to the finish line off Newport Beach.



FINISHES THIRD — The "Tahuna," 36-ft. sloop owned by Ruel Cameron, finished third in the recent Guadelupe Island yacht race. Cameron, skipper of the craft, is a management analyst in the Project 2000 Office.



BRIEFING BY FLEET MASTER CHIEF — The Naval Material Command's Fleet Master Chief Petty Officer, Bob Evans, briefs NWC chief petty officers and career counselors on recommendations made by the President's Commission on Military Compensation during his visit here July 19. FMC Evans represented Navy enlisted personnel on the panel.

— Photo by Ron Allen

federal service, he said, adding that this recommendation also does not apply to military personnel beyond their fifth year nor to retired personnel presently holding Civil Service jobs.

Other recommendations, FMC Evans said, included provisions that would extend all the entitlements to petty officers third class and below that higher ratings presently receive.

A recommendation was also made that would end longevity pay increases based on years of service. Instead, each pay grade would have seven, annual step increases, he said.

FTCS Dave Vander Houwen, the Center's

Senior Chief Petty Officer of the Command, said that he is preparing a written brief of what FMC Evans said will send it to all divisions.

Chief Vander Houwen said that FMC Evans commented that the poorest rooms in the local bachelor enlisted quarters here are better than the best rooms at other activities in the Naval Material Command that he has seen.

FMC Evans also said that he noted an improvement in the married enlisted quarters from conditions that existed on his last visit here 2½ years ago, principally in the physical condition of the quarters, according to Chief Vander Houwen.

Promotional Opportunities . . .

(Continued from page 2)

Utilities Division and will work directly with and lead 3 to 10 journeymen or helpers in repairing, maintaining, and installing gas-fired heating equipment and evaporative cooling and refrigeration equipment. Plans division of workload among employees assigned to him. Resolves working problems and takes necessary corrective action to complete work on schedule. Will lead air conditioning equipment mechanics WG-5 through WG-10; boiler plant equipment mechanics, WG-5 through WG-10; and other skilled and unskilled crafts required for particular job assigned. **Job Relevant Criteria:** Ability to lead others in accomplishing work assignments without more than normal supervision; technical practices: ability to interpret instructions, specifications, etc.; knowledge of materials; knowledge of pertinent tools and equipment.

Planner and Estimator (General), WD-4701-8, JD No. 614N, (3 vacancies), Code 26703 — These positions located in the Production Control Branch, Transportation Division, Public Works Department. The incumbent of each position is responsible for the program scheduling and managing of the preventive maintenance program for all weight-handling equipment and weight testing and certification of all weight-handling equipment. Schedules, conducts, and witnesses tests and inspections to determine nature and extent of repairs required. Must read and interpret blueprints, engineering drawings or sketches and various technical reference manuals related to cranes and weight handling equipment. Incumbent plans and prepares detailed estimates, specifications, and work control documents in connection with the maintenance, repair, and alteration of weight handling equipment. Determines the amount and type of material needed and estimates overall material cost. Applicants must be status eligibles. Applications will be accepted from other than NWC employees. **Job Relevant Criteria:** Ability to facilitate production; technical practices: ability to interpret instructions, specifications, etc.; knowledge of pertinent materials; knowledge of pertinent tools and equipment.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 210, Ph. 2032.

Fiscal Accounting Clerk, GS-501-3/4/5, PD No. 7700061, Code 0865 — This position is located in the Disbursement Branch, Financial Operations Division, Office of Finance and Management. The incumbent is a member of the Fiscal Accounting Unit. The unit issues all checks, maintains the cashbook and other reports, processes civilian payroll, and financial returns and reports. **Job Relevant Criteria:** Knowledge of "Accounting Classification" (nine elements of accounting); knowledge of Treasury regulations governing issuance of checks; ability to type, use calculators and key punch equipment; ability to communicate well with all levels of personnel. Status eligibles accepted. Previous applicants need not re-apply.

Visual Information Assistant, GS-1001-6, PD No. 7823051N, Code 2342 (3 vacancies) — Promotion potential: GS-7. This position is located in the Composition Branch, Financial Operations Division, Office of Finance and Management. The incumbent is responsible for the preparation of reports, brochures, pamphlets, and other printed materials. **Job Relevant Criteria:** Ability to type, use calculators and key punch equipment; ability to communicate well with all levels of personnel. Status eligibles accepted. Previous applicants need not re-apply.

Supervisory Security Clerk, GS-301-7, PD No. 7824018N, Code 2412 — This position is that of supervisory security clerk located in the Visitors Branch of the Safety and Security Department. The incumbent is responsible for the management of the branch in all areas of administration, supervises a workforce of nine employees and is responsible for both administrative and technical aspects. The incumbent is responsible for implementing procedures for the purpose of processing all casual, official and foreign visitors to the Center. **Job Relevant Criteria:** Ability to supervise employees, to interpret and implement written instructions and directives, to communicate effectively both orally and in writing, to deal effectively both orally and in writing, and ability to deal effectively and tactfully with all levels of visitors, employees, and management.

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

and sizes photos; marks reproduction copy with instructions to printers; operates composing machine; proofreads copy; and schedules work. **NOTE:** Previous experience must be thoroughly documented. **Job Relevant Criteria:** Ability to compose, layout, or prepare visual materials; knowledge of proofreading techniques, basic grammar, spelling, and correct abbreviations; knowledge of marking repro copy with printers instructions and the sizing and cropping of photographs and illustrations.

Budget Technician, GS-501-4/7, PD No. 7800065, Code 0833 — This position is physically located at Echo Range. The incumbent provides a continuous on-site financial staff expertise; prepares or assists in preparing the budgets; monitors and maintains records of all funds received and allocated; reviews expenditures; uses financial reports to recognize potential problems; supports Plans and Programs Staff. **Job Relevant Criteria:** Knowledge of Center and Department of the Navy budget and accounting procedures. Knowledge of cost center and Center budget policies. Ability to work well with others. **File applications for the above with Tina Rockdale, Bldg. 34, Rm. 206, Ph. 2674.**

Electronics Technician, GS-856-9/10, PD No. 7835041/783504N, Code 3553 — Applications will be accepted from both NWC employees and status eligibles. This position is located in the Threat Radar Evaluation / Development Branch, Countermeasures Division, Electronic Warfare Department, with duty station in the Randsburg Wash Test Area. Duties are operating, aligning, calibrating and repairing one-of-a-kind threat radar systems that are used in the test/evaluation of electronic warfare and associated optical / electro-optical devices and tactics. An incumbent must establish and maintain compatible electronic interfaces on assigned radar subsystems, and assist in providing technical expertise to engineers responsible for modification of the threat radar systems to which assigned. **Job Relevant Criteria:** Knowledge of radar subsystem design. Troubleshooting experience with radar subsystems / systems. Experience using test equipment to include RF sweepers, spectrum analyzers, frequency synthesizers, IC analyzers, pedestal servo system analyzers. Ability to work well with others in pressure situations. Demonstrated ability as a radar operator. Promotion Potential: GS-10.

Supervisory Security Clerk, GS-301-7, PD No. 7824018N, Code 2412 — This position is that of supervisory security clerk located in the Visitors Branch of the Safety and Security Department. The incumbent is responsible for the management of the branch in all areas of administration, supervises a workforce of nine employees and is responsible for both administrative and technical aspects. The incumbent is responsible for implementing procedures for the purpose of processing all casual, official and foreign visitors to the Center. **Job Relevant Criteria:** Ability to supervise employees, to interpret and implement written instructions and directives, to communicate effectively both orally and in writing, to deal effectively both orally and in writing, and ability to deal effectively and tactfully with all levels of visitors, employees, and management.

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



Ridgecrest Raiders victors in post-season tournament

The Ridgecrest Raiders, who won the championship of the Men's Fast Pitch Division in the China Lake Intramural Softball League with a 11-4 record, last week also placed first in a post-season double elimination tourney that was held between the four teams in this division.

In the final tournament clash, the Raiders had to pull out all the stops in order to post a 15-14 win over Fisher Plastering.

Richie Clodt, the winning pitcher for the Raiders in their shoot-out with Fisher Plastering, went the distance on the mound in this extra inning fracas. He was aided in the hitting department by Mark Stoner, whose home run with a man on base accounted for 2 of the Raiders 3 tallies in the eighth inning.

Other players for the Raiders who demonstrated their batting prowess in this game were Ed Schwartz, who had 2 hits in 4 times at bat, scored 3 runs and was credited with 2 RBIs; and Steve Paine, who also was 2 for 4 at the plate and knocked in 2 runs.

Warren Turnbaugh led Fisher Plastering with a bases loaded home run.

Women's Division

The Time Out team last week wrapped up an undefeated season in the Women's Division of the China Lake Intramural Softball League by polishing off the CSC squad, 11-1, in five innings.

The Women's Division champs were led by Carolyn Hansen, who had 3 hits in 4 times at bat, scored 3 times and had 1 RBI. Gina LaMarca, the winning pitcher for the Time Out team, struck out 7 and issued 1 walk.

Others whose hitting contributed to the one-sided win by the division champs were Myrna Martin, who was 3 for 4 at the plate (including a double and triple), and Shar Spence, who hit a double.

Men's Slow Pitch Division

The Zephyrs, who are leading by a single game in the American Division of the men's slow pitch competition, last week romped to a 10-1 win over Sports Etc., and also came out on the long end of a 28-24 score in a game played with VX-5.

(Continued on Page 7)

Pony League all-stars vie in tournament at Quartz Hill

Competing in a post season double elimination tournament last weekend in the Antelope Valley area, the Indian Wells Valley Pony Leaguers bounced back from a 9-1 defeat on Friday by Quartz Hill to hand a 9-0 shutout to their counterparts from Lancaster on Sunday.

Very little went right for the local team in the tourney opener against Quartz Hill as the victors, who were held to just 6 hits, took advantage of 6 errors on the part of the IWV squad to score a total of 9 runs.

The first hit of the game for either team was a home run in the second inning by David Pastor of Quartz Hill, and it was a downhill run from that point on for the host team.

Dale Killilea, losing pitcher for the IWV Pony Leaguers, hit a home run to account for the local team's only score in the Quartz Hill game.

Sunday's game against Lancaster brought a complete turnaround on the part of the IWV team, which played errorless ball behind the 2-hit pitching performance turned in by Dave Wooten, who struck out 13 opposing batters and walked none.

The IWV Pony Leaguers took command

China Lake Little Leaguers win Area 1 tourney title

China Lake's Little League all-star team, victorious in the first round of annual tournament competition played last Friday and Saturday in the town of Independence, will advance to the District 51 playoffs tonight at 7:30 in Rosamond.

The China Lakers will tangle with the Parkview Little Leaguers from Lancaster, and the winner of this contest will vie tomorrow night (also in Rosamond) for the District 51 title and the right to advance another step in the Little League baseball playoffs.

Last Friday in Independence, the China Lake Little Leaguers had too much hitting power for their opponents from Owens

Valley, who they polished off, 15-3.

Since the Ridgetcrest Little League team had previously defeated its counterpart from Bishop, 16-6, on Thursday, this set the stage for the Area 1 championship game on Saturday, which China Lake won, 4-3.

Against the Owens Valley Little Leaguers, the China Lake team broke loose for 5 runs each in the first and second innings and the rout was on.

A home run by Daniel Means, catcher for China Lake, with a runner on first base, accounted for a pair of runs in the first inning, and a grand slam home run by Ricky Hunt, right fielder, added 4 more tallies to the China Lake total in the second

inning.

Timmy Lewis, the game's winning pitcher, also hit a home run in the second inning with no one else on base at the time. Lewis, who pitched the entire six innings, gave up just 4 hits, walked 6 and had 11 strikeouts.

Leading hitters for the China Lake team in its 15-3 win over Owens Valley were Means, whose 3 hits in 4 times at bat included a double and single to go with his first inning home run; Hunt and Mark Kaupp, who were each 2 for 2, and Lewis, who was 2 for 4.

Everyone on the squad got into the game against Owens Valley, according to Steve Kaupp, manager of the China Lake team, who was able to substitute freely from the third inning on when the locals held a 13-2 lead.

Keys to Victory

Excellent defensive play and timely hitting were the keys to the China Lakers' 4-3 win over the Ridgetcrest Little League all stars on Saturday. A short outfield fence at the Little League field in Independence made a home run possible at any time in the game, it was noted by Manager Kaupp, and it was therefore necessary for the pitchers to try to keep the ball as low as possible in the strike zone.

Means was the winning pitcher in the China Lake vs. Ridgetcrest game. He gave up 9 hits — 3 of them home runs which accounted for the Ridgetcrest team's only scores — struck out 7 and walked none.

Dave Hawkins, Ridgetcrest shortstop, put his team in front, 1-0, with a home run in the bottom of the first inning, and banged out another circuit clout in the third inning. Ridgetcrest's third and final score of the game was the result of a fourth inning homer by Jim Hawkins.

The China Lakers bunched their hits in the third and fourth innings to win the hard-fought game by a single tally.

Dave Killoran, center fielder, led off with a single in the third for China Lake. Kevin Blecha, short stop, also singled and both runners scored on a double by Daniel Means. Tim Lewis came through with China Lake's fourth hit of the inning which enabled Means to score — giving China

(Continued on Page 7)

Topnotch softball games scheduled here this weekend

Local area fast pitch softball fans can look forward to plenty of action during games that will be played on Saturday and Sunday.

Rearon field will be the setting starting at 5 p.m. Saturday and at 11 a.m. Sunday for games between an all-military Navy team and an opposing squad from Edwards Air Force Base.

This will be a warm-up in preparation for the Mojave Desert Inter-Service League's softball tournament which is played Aug. 4, 5 and 6 at Edwards AFB.

The Navy led by Greg Bishop, as player-coach, also is scheduled to compete Aug. 7 to 11 in the 11th Naval District's northern area double elimination tournament at the Long Beach Naval Station.

In addition to the above, the Ridgetcrest Raiders, champions of the Men's Fast Pitch Division in the China Lake Intramural Softball League, will compete in a double-header at 3 and 5 p.m. Saturday at Schoeffel Field against a local all-star team.

The Raiders are trying to raise money that will help meet the expenses involved in participating in the International Softball Congress state tournament that is scheduled Aug. 4, 5, 6 and 11, 12, and 13 at Fresno.

The Raiders also will play an 8 p.m. game Sunday against the Kern Valley all-stars. This contest will follow an earlier one—scheduled to get underway at 6 p.m.—between the Ridgetcrest Merchants, who finished second in the Women's Division of the Intramural Softball League, and Kern Valley women's all stars.



MINOR DIVISION CHAMPS — By virtue of their 21-17 win over the Ridgetcrest Giants, the Pirates, champions of the Minor Division of the China Lake Little League, also won the first ever intercity championship for players in this division. The Pirates' players and officials are (kneeling, l.-r.) Michael Murphy, Chad Walker, Scott Schroeder, Tony Padgett, Curtis Peeples, Joey DiPasquale, and (standing, from left) coach Mike Murphy, Russ Donning, Ronald Workman, Scott Aley, Bryan Lloyd, John Zerr, Robert Black, and Bill Workman, manager. Another coach, Rick Schroeder, was unable to be present for the photo.

Pirates, champions of China Lake Little League Minor Division, win intercity title

Keeping pace with the Yankees, their Major Division counterparts in the China Lake Little League, the Pirates, champions of the Minor Division, also won the intercity title by posting a 21-17 win over the Ridgetcrest Giants in a game played last week at Little League Diamond No. 4 on the Center.

While the Little League Major Division champs of China Lake and Ridgetcrest have been competing for the local title for a number of years, the Pirates vs. Giants tilt was the first time that the Minor Division winners of the Ridgetcrest and China Lake Little Leagues have vied for the intercity championship.

In what turned out to be a real slugfest, the Pirates, who were paced by Mike Murphy's second inning grand slam home

run, had more power at the plate and a bit more effective pitching.

Brian Lloyd, winning pitcher for the Pirates, aided his own cause by getting 2 triples and a double in 4 trips to the plate.

Lloyd was relieved in the fourth inning by Scott Schroeder, who also had a 3-base blow to his credit.

Other leading hitters for the China Lake Pirates in their 21-17 win over the Ridgetcrest Giants were Bobby Black, the team's catcher, who had a double and a single in 4 times at bat; Patrick Vacca, the first baseman, who hit a double and a triple in 5 times at bats; and Russ Donning, shortstop, who banged out a single and triple in three times at the plate.

In addition, Tony Padgett, the Pirates' right fielder, also smashed a 3-base hit

base on balls, moved to second on a wild pitch and scored on a hit by Fry.

Another hit, this time by Ron Valdez, drove in Fry, and both Valdez and Tim Bowlin, who was hit by a pitch, were able to score on an overthrow at third base later in the inning.

In the sixth inning, the locals added one more run when Killilea singled, went to second on a wild pitch, and scored on a hit by Brian Manley.

Leading hitters for the local team in its shutout win over the Lancaster squad were right fielder Valdez, who had 2 doubles in 3 times at bat; left fielder Fry, also 2 for 3 with a double and a single to show for his efforts at the plate; and Killilea, 3rd baseman, who pounded out a pair of doubles in four times at bat.

Fielding gem of the game, according to John Cleveland, coach of the IWV team, was the catch by Valdez of a long fly ball hit to right field. Valdez rifled the ball to the cut-off man (2nd baseman John Lloyd) and the latter relayed it to catcher David Jasso in time for him to tag out a Lancaster base runner attempting to score from third.

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Dave Pipkin started things off by drawing a

AMS2 Steven Coppola chosen as Sailor of Month by VX-5

Air Test and Evaluation Squadron Five has chosen Aviation Structural Mechanic Second Class Steven Coppola as its Sailor of the Month for July.

AMS2 Coppola is in charge of the squadron's phase crew, whose members perform scheduled maintenance on all of VX-5's aircraft.

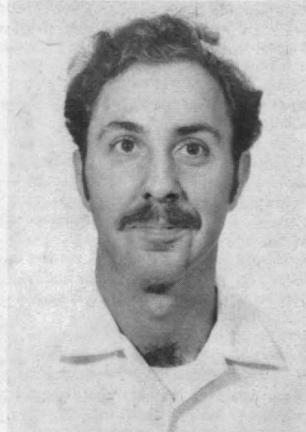
In a letter of commendation which accompanied his announcement as Sailor of the Month, he was cited for his proficient leadership and abilities as a maintenance technician.

"You have completed the phase inspections in a timely manner with a high degree of professionalism. As a supervisor you encourage your men to perform to their maximum ability," the letter reads in part. "You have a thorough knowledge of the aircraft assigned to the squadron which has been a major asset to your work center, and you have often devoted extra hours to meet the operational commitments of the command," it continues.

AMS2 Coppola enlisted in the Navy in November 1970, and after completing recruit training at the Great Lakes, Ill., Naval Training Center, he attended AMS "A" School at Memphis, Tenn.

Following P-3 Orion Fleet Readiness Aircraft Maintenance Program training he was assigned to Patrol Squadron 22 stationed at Naval Air Station, Barbers Point, Hawaii.

While assigned to VP-22, AMS2 Coppola flew as an aircrewman during patrol



AMS2 Steven Coppola

missions over the Indian Ocean and the South China Sea when the squadron was temporarily based in the Republic of the Philippines and on the Island of Okinawa.

During these deployments, he met and married his wife, Rosalinda, who is a Filipina. They have a 4-month-old daughter, Sandra Cher.

After six years of duty with VP-22, AMS2 Coppola returned to the West Coast to attend A-7E FRAMP training at Naval Air Station, Lemoore, Calif. He was then assigned to VX-5 and reported to China Lake last September.

He is a native of New Jersey and a 1970 graduate of Bloomfield Technical High School in Bloomfield, N.J.

As Sailor of the Month, he will enjoy one month without standing duty watches, receive a special 72-hour liberty and have the use of a reserved parking space near the entrance to the squadron's hangar.

He will also receive a plaque, and his photo will be displayed along with other squadron Sailors of the Month.

Two Centerites complete course on radar reflectivity

Two Naval Weapons Center employees recently completed a course of instruction at Georgia Tech entitled "Radar Reflectivity of Land and Sea."

The employees are Melville Creusere, head of the Weapons Department's RF Systems Branch, and Dr. Peter Yu, a physicist in the Systems Effectiveness Division of the Systems Development Department.

The course was designed for managers, scientists and engineers who need a better understanding of reflectivity data. The emphasis of the instruction was on a physical understanding of backscatter from land and sea, rather than the development of theory.

The course was conducted by the Georgia Tech Department of Continuing Education.

Treatment to fight elm beetle plague to begin Monday

Starting Monday, a contractor will be treating approximately 4,000 Chinese elm trees in the housing areas east of Wasp Rd. and Saratoga Ave. for elm leaf beetles.

Treatment will be by a systematic method which involves drilling a hole in the tree, placing the bug-killing ingredients in the hole, and plugging the hole with a wooden dowel. No toxic residue will be left where children or pets can be exposed to it.

The cooperation of China Lake residents in allowing the contractor access to their yards is requested.



VISITOR FROM PENTAGON — D. W. Church, who recently took over the weighty responsibilities of Deputy Under Secretary of Defense for Research and Engineering (Acquisition Policy), visited China Lake last week for briefings on a number of the Naval Weapons Center's air warfare and missile weapon systems programs. Church was accompanied here by Rear Admiral R. G. Freeman, III, who has been Commandant of the Defense Systems Management College at Fort Belvoir, Virginia, since he concluded a three year tour as NWC Commander in May 1977. Church (at right) is listening to presentation being made by Norman Woodall on the evolution of the Sidewinder missile. Woodall, who is pointing out some of the differences in the guidance control section of various models of the NWC-developed air-to-air missile, is the Sidewinder AIM-9M program manager.

New ratings...

(Continued from Page 1)

personnel, included five advanced to first class petty officer and 10 to second class. Forty-four are new, third class petty officers.

Naval Weapons Center advancements in July by rating are:

AC1 Barbara Arrighi, MS1 Narciso Baure, BM1 Dennis Garner, AK1 Romeo Romuar, AME1 Thomas Brophy; and

AMES2 Reynaldo Bartolome, RM2 Sandra Adams, MS2 Manuel Cristobal, ENT2 Darrel Wittenberg, YN2 Steven Griffith, AMS2 Dennis Hayes, AD2 Kurt Krueger, AD2 John Morton; and

AMS3 Micheal Bain, AD3 Robert Barney, AD3 Jose Beachboard, AD3 Richard Beck, AME3 Anthony Bookout, A03 Jeff Caffey, AE3 James Carr, AD3 Paul Davis, AME3 Miles Ernst, AZ3 Gary Fecteau, AMS3 Sammy Goodwin, AK3 Cynthia Harris, A03 Allen Haskey, AD3 Terry Helberlein, AME3 Javier Jimenez, AD3 Thelma Jones, AD3 Thomas Kellum, AD3 Bruce Narcev, A03 Donald Melancon, AD3 James Mortenson, AZ3 Fred Snyder, AT3 Thomas Stouder, AG3 Robert Van Winkle, AMS3 Terry Youngblood, PN3 Angela Youmans, AT3 Charles Mullins, AZ3 Steve Nixon, PR3 Sharell Olvera, ABH3 David Penrose, and ABH3 Donald Schoen.

Petty officer promotions in VX-5 this month involved the following personnel:

AMH2 Patrick McTurner, AMH2 David Witt; and

AD3 Randy Atchison, AD3 David Boostrom, AT3 Gregory Byrd, A03 Edward Griffith, AD3 Bernard Korth, AD3 Irvin Mazzei, AMH3 Wayne McKinney, DK3 Pacita Mikel, A03 William Munday, MS3 Kenneth Nowicki, AT3 Frederick Perkins, AE3 Jose Sandoval, AE3 John Spells, and YN3 Michael Tobin.

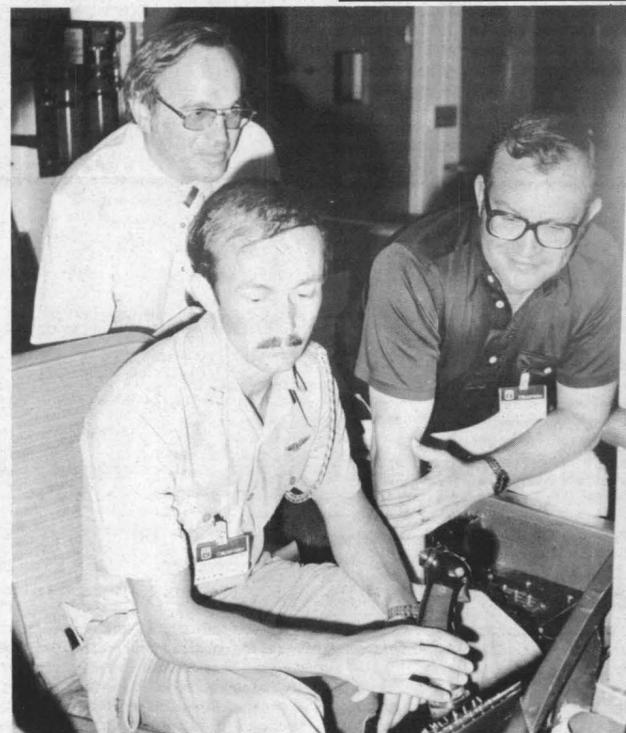
Dust suppressant...

(Continued from Page 1)

emulsion to form slabs and blocks which can be used as a low-cost building material.

The ground stabilization and dust abatement research is sponsored by Len Gulick in the Fleet Support Office and is funded by the Navy's Scientific Advisory Program.

Local project coordinator for the U.S. Marine Corps is Major William P. Vacca, who is the Marine Corps Development and Educational Command's representative in the NWC Marine Corps Liaison Office.



OPERATION OF A-7 SIMULATOR OBSERVED — As R. M. Hillyer, NWC Technical Director, looks on, D. W. Church observes a demonstration of the A-7 simulator which is located in Hangar 3 at Armitage Field. At the controls of the simulator is Lt. Larry E. Cook, a Navy pilot who is the aide to RAdm. Freeman. Lt. Cook is getting the feel of how an A-7 mission simulator operator verifies whether or not the airborne computer is operating correctly. A briefing on the A-7 simulator was given Church by Richard Boyd, associate head of the Systems Development Department, and the distinguished visitor also had a chance to "fly" the simulator. —Photos by Ron Allen

Thunderstorm brings humid weather...

(Continued from Page 1)

on for the next 30 days, Chief Finger said.

Then, there will be a long dry period with slowly decreasing temperatures until the rainy season sets in during December or January when Pacific storm fronts begin moving eastward into Southern California.

Compared with last year, this July has been relatively cool. During all of July 1977,

there were only four days with temperatures below 100 degrees. The thermometer hit 112 degrees Aug. 1, 1977 preceded by two consecutive days when it reached 109 degrees.

Chief Finger said that nearby mountain areas were hard hit by this week's storms with some areas in the Sierras reporting rain most of the day on Monday and very heavy, sustained showers on Tuesday.

Employees who have earned degrees honored at luncheon

Seventeen Naval Weapons Center employees out of a total of 23 who have recently earned various degrees ranging from bachelor of science to Ph.D. were present for a luncheon held in their honor last week at the Enlisted Mess. For varying reasons, the other six were unable to be present.

The nearly 60 persons in attendance were welcomed by Clara Erickson, head of the Personnel and Organization Development Division (Code 094), who pointed out that even though the Center "is not in the business of supporting the obtaining of college or university degrees, training opportunities are provided for Centerites to acquire knowledge and skills that will help them better perform their jobs and advance their careers."

"When this training also leads to a degree, Center management wishes to recognize the motivation, dedication and effort involved in arriving at that milestone," Mrs. Erickson added.

Keynote Speaker

Keynote speaker for the occasion was R. M. Hillyer, NWC Technical Director, who expressed Center Management's strong support for training programs which enable employees to continue their education.

In commenting upon the strong commitment to the training resources currently available, as well as on plans for the creation of some new opportunities in continuing education, Hillyer pointed out that "our technical and professional training program must remain responsive to the changing needs of the professional workforce."

"An active commitment has been made to expand available training options to meet the challenge of maintaining professional vitality in a changing work environment," the Technical Director stated. He considers it incumbent upon laboratory management, Hillyer said, to make available the resources for the technical staff to maintain and increase currency and competency.

Continued Education Important

It is therefore important, he added, that technical staff personnel take advantage of the opportunities provided as part of the Center's continuing program of education for scientists and engineers.

One evidence of management support for the development of the Center's human resources was attendance at the luncheon of Capt. F. H. M. Kinley, NWC Vice Commander, and the following department heads:

Dr. R. E. Kistler, head of the Office of Finance and Management; Eva Bien, head of the Personnel Department; Dr. Marguerite M. Rogers, head of the Systems Development Department; Dr. Edwin B. Royce, head of the Research Department; Carl Schaniel, head of the Ordnance Systems Department; and John DiPol, head



CONGRATULATIONS OFFERED — R. M. Hillyer, NWC Technical Director and keynote speaker at the luncheon held in honor of Center employees who have earned graduate degrees, congratulates Clifton J. Stine, head of the Energy Conservation Office, who received a Ph.D. in engineering from Cal-Western University in Santa Ana.

of the Range Department.

Hillyer was particular proud and pleased, he said, to be able to announce that Clifton J. Stine, head of the Energy Conservation Office in the Public Works Department, had completed on his own time the work for a Ph.D. degree in engineering. NWC provided tuition support.

Subject of Thesis

Dr. Stine's course work was related directly to the future development of the Coso geothermal field. His doctoral dissertation was an analysis of a total flow geothermal system for application in any geothermal resource. He proposed the use of small, self-contained well head units that can be developed without impeding range activities or compromising the Center's mission.

Dr. Stine spent 1½ years working on this project which led to his Ph.D. degree. He received his doctorate from Cal-Western University in Santa Ana.

Four Centerites received master's degrees in public administration from the University of Southern California — a program that was phased out here in the fall of 1976. This made it necessary for them to accomplish the last 1½ years of their course work on their own.

They are: Patricia Sprankle, a personnel management advisor in the Personnel Department; Leslie Saxton, a management analyst in the Plans and Programs Branch of the Office of Finance and Management; Lt. Col. James Gibbons, Air Force Liaison Officer at China Lake; and LCDr. William Dunn, Surface Weapons Officer in the Weapons Department.

In addition, it was announced that John

their master's degrees after completing coursework at the Naval Postgraduate School in Monterey. Those who were enrolled in the Systems Acquisition Management Program and received an MS in Management degree were:

Rodney Beran, a supervisory electronics engineer in Code 3921; Robert Bonner, a general engineer in Code 06; Paul Decker, a physicist in Code 3107; Kennerly Funk, a supervisory general engineer in Code 3506; Richard Loraine, a supervisory electronics technician in Code 351; Richard Moe, a supervisory mechanical engineer in Code 3124, and Dennis Potts, a mechanical engineer in Code 3271.

Another Naval Postgraduate School (NPS) graduate who obtained a MS degree in management is Don Green, head of the Financial Operations Division in the Office of Finance and Management, who completed a program in financial management. Two other Center employees — Alan Wetzstein and Robert Williams — who are electronics engineers in Codes 6243 and 6221, respectively, have completed course work at NPS for their master's in electrical engineering and will receive their degrees upon completion of the thesis requirement.

Cal-State at Bakersfield also provides NWC employees an opportunity to pursue self-development courses and earn a B.S. degree in business administration while being employed on the Center.

This program has been in existence since 1972 and, to date, 38 employees have completed it. The most recent graduates are Sondra Drake, a secretary in Code 08A; Doris Laffoon and Carol Moore, who are administrative officers in Codes 3802 and 3505, respectively; and William Cope and Charles McCall, electronics technicians in Code 3151 and 3505.

O'Malley, head of the Ordnance Systems Department's Structural Systems Branch, is the first local graduate of the Master's in Public Administration consortium program offered here by Cal-State Bakersfield. This program came into existence when the USC program was phased out.

Also until the fall of 1976, USC conducted a program in electrical engineering at China Lake. Through this program, which had a one semester on-campus requirement, Eric electronics engineers in Codes 3936 and 3514, earned their master's degrees in electrical engineering.

No less than 10 China Lakers now have



5 RECEIVE MASTERS IN PUBLIC ADMINISTRATION — Five Centerites (l.-r.) LCDr. William Dunn, Lt. Col. James Gibbons, USAF, John O'Malley, Patricia Sprankle and Les Saxton have received master's degrees in Public Administration. With the exception of O'Malley, who is the first local graduate of the MPA consortium program offered by Cal-State Bakersfield, the others received their MPA degrees from the University of Southern California.



CAL-STATE BAKERSFIELD GRADS — Among the latest NWC employees to take advantage of the opportunity to earn a B.S. degree in business administration while employed here are (l.-r.) Sondra Drake, Charles McCall, Doris Laffoon and William Cope. Another recent graduate of this program is Carol Moore, who was unable to be present for the photo. —Photo by Ron Allen



M.S. IN SCIENCE DEGREES EARNED — With the exception of Robert Williams (at right), who must yet complete the thesis requirement before he will receive an M.S. in electrical engineering from the Naval Postgraduate School at Monterey, all four other NWC employees have completed the Master of Science in Management program at NPG. They are (from left) Donald Green, Dennis Potts, Richard Moe and Robert Bonner. In addition, Rodney Beran, Paul Decker, Kennerly Funk and Richard Loraine also have been awarded an M.S. in Management degree, but were unable to be present for the photo. —Photos by Ron Allen

Head, Weapons Planning Gp., receives 30 yr. NWC pin

Three decades of devoted service in positions of steadily increasing responsibility were recognized recently by the presentation of a 30-year NWC pin to Frank Knemeyer.

The presentation was made by R. M. Hillyer, NWC Technical Director, who was joined by Rear Admiral William L. Harris, NWC Commander, in congratulating Knemeyer for his many valuable contributions to the Center and its forerunner — the U.S. Naval Ordnance Test Station.

Knemeyer, who is currently handling the dual responsibilities of head of the Systems Acquisition Office and head of the Weapons Planning Group, came to China Lake in June 1948. At that time, he had both a B.S. and an M.S. degree in aeronautical engineering, which he had received from the California Institute of Technology, and had worked briefly as an engineering assistant for the Douglas Aircraft Co. and the National Advisory Committee for Aeronautics (NACA) before entering the Navy as an ensign.

Much of his early ordnance experience was gained in the Navy prior to his Civil Service employment. As an aviation ordnance officer, he was a member of a training team for the NOTS-developed Tiny Tim rocket of World War II fame.

First Job at NOTS

His initial employment at NOTS was with the old Aerodynamics Branch in the Research Department. His work included aeroballistic design for a special weapons bomb, project engineer for design and development of ballistic shapes for air delivered Project ELSIE nuclear weapons, and early ballistic work on the Rocket-Assisted Torpedo.

The professional excellence and zeal displayed in carrying out his assigned tasks earned Knemeyer promotions from senior project engineer to section and then branch head in the Aerodynamics Branch of the Ballistics Division prior to becoming the associate for engineering analysis in the Weapons Planning Group in 1955.

In addition, he contributed to engineering analysis of new weapons concepts which led to the submarine-launched Polaris missile and served as a NOTS member on the Special Projects Panel for establishing the design characteristics of Polaris.

Knemeyer held the above-mentioned position in the Weapons Planning Group for four years prior to serving for a year (1959-60) as assistant head of the Weapons Development Department. During this time he was instrumental in establishing a conventional ordnance and warhead research program for NOTS.

Becomes Department Head

In August 1960, Knemeyer was chosen to succeed Bernard Smith as head of the Weapons Development Department — where he served under Technical Directors Dr. W. B. McLean and H. G. "Hack" Wilson. He held this position more than 13 years until he became Deputy Technical Director for Strike Systems under Dr. Walter LaBerge.

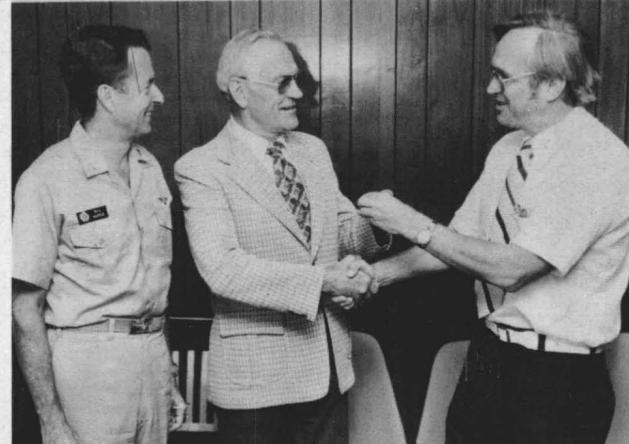
Among Knemeyer's important achievements during the lengthy period that he was head of the Weapons Development Department were management of the organization and motivation of the people in it; development of ideas into policies, practices and programs; and the management of programs.

From September 1960 to June 1973, the old Code 40 grew from around 350 to nearly 500 personnel, of whom nearly half were scientists and engineers. The annual budget ranged between \$17 million and \$50 million.

Metal Trades Council slates meeting on Aug. 3

The next regular meeting of the Indian Wells Valley Metal Trades Council will be held on Thursday, Aug. 3, starting at 7:30 p.m. at 65-B Halsey Ave., China Lake.

The council is the representative of a unit composed of the Center's non-supervisory, ungraded civilian employees who are located at China Lake.



HAPPY OCCASION — Frank Knemeyer (center) receives congratulations from both R. M. Hillyer, NWC Technical Director, and Rear Admiral William L. Harris, NWC Commander, as they joined in presenting him with a 30 year NWC pin. The presentation took place recently during a ceremony in the conference room of the Administration Building. —Photo by Ron Allen

and programs in the Weapons Development Department covered the entire spectrum from basic research, through all phases of development, to Fleet introduction and support.

In addition, the policies, procedures and ideas which were developed ranged from minor departmental matters to those with Center, Navy and DoD-wide implications. As an example, Knemeyer was an early advocate of significant laboratory participation in all phases of the weapons acquisition process.

This advocacy, which was persuasive, influential, and continuous resulted in the assignment of leading field activity and deputy management responsibility to the Naval Weapons Center for programs such as Shrike, Night Observation Gun Ship, Advanced Aircraft Systems (Sidewinder, Condor), and the free fall conventional ordnance "Eye" series.

New Weapons Provided

In early 1972, a number of requirements arose for quick reaction solutions to problems made evident by increased combat activity in Southeast Asia. A major portion of these problems were addressed by groups within the Knemeyer-led Weapons Development Department.

In each case, effective and realistic technical solutions were conceived, designed, fabricated, evaluated, and provided to the operating forces in an unusually short time frame.

These programs included the Mk83 Laser Guided Bomb, which provided an increased kill radius for many targets encountered by the Fleet; the Lightweight Laser Designator, which provided the Fleet with a designator capability for its laser guided bombs; the Sea Chaparral, which provided an improved self-defense capability against air attack for ships that had only five inch guns; and a modification of the Walleye II system which provided post-release pilot control and enhanced the missile's terminal accuracy.

With the reorganization under Rear Admiral R. G. Freeman III, he became

Recreation facility for military opened at Community Center

The Panamint Room of the Community Center has been converted into a recreation facility for the use of active duty military personnel, their dependents and guests.

Pool and ping pong tables are available, and there is a charge of 1 cent per minute per person for their use.

The Panamint Pool Room is open Tuesday through Friday from 8 a.m. to 9 p.m. and on Saturdays from 1 to 9 p.m.

This is a trial recreation program and its popularity will determine whether or not it will be continued beyond the end of September.

Head System Acquisition from December 1974 to present. In January 1977 he assumed the additional duty as acting head, Weapons Planning Group (Code 12), when Carl Schaniel was assigned to a special project and subsequent tour in the Office of Deputy Director Research and Engineering.

The Code 12 job became a permanent one for Knemeyer in early April of this year when it was announced that upon Schaniel's return to NWC he would assume the duties of head of the Ordnance Systems Department, while Knemeyer would continue as head of the Weapons Planning Group.

Thompson Award Recipient

Among honors bestowed on Knemeyer during his 30 years at China Lake have been the L. T. E. Thompson Award (the Center's highest recognition for outstanding individual achievement) in 1962 and the Navy Meritorious Civilian Service Award in November 1972.

Knemeyer is currently serving as chairman of the North Atlantic Treaty Organization's Research Study Group on Techniques for Advanced Seekers. Among his professional affiliations, he is a member of Tau Beta Pi (Cal Beta), the American Institute of Aeronautics and Astronautics, the American Defense Preparedness Association, American Society for Public Administration, the Research Engineering Society of America, the National Society of Professional Engineers, the California Society of Professional Engineers, and is a registered professional engineer (California).



SUSTAINED SUPERIOR PERFORMANCE RECOGNIZED — Two years of topnotch effort as the Naval Weapons Center's Deputy Equal Employment Officer was recognized on the eve of his departure earlier this week by the presentation of a Sustained Superior Performance Award to Grant Williams. The presentation was made by Rear Admiral William L. Harris, NWC Commander. Williams was cited for the ability he displayed in putting viable EEO programs into action at China Lake, as well as for the significant role he has played in the effective handling of discrimination complaints. Williams has left NWC to accept a position as an EEO program specialist in the office of the Chief of Naval Operations in Washington, D.C. —Photo by Ron Allen

Safety course set for employees with explosive area jobs

Three sessions of a general explosives indoctrination course will be conducted during the coming month in Conference Rm. A of the Safety Building, located at the corner of Nimitz Ave. and Hussey Rd.

The instruction, which is to be offered from 8 a.m. to 4 p.m., has been scheduled on Aug. 2, 14 and 25. Its purpose is to provide information on the general safety principles and requirements for employees whose job involves work in explosives areas.

As part of the course there will be a demonstration by Explosives Ordnance Disposal personnel of the hazards and effects of small amounts of explosives and of explosives devices.

Center employees interested in attending this course must submit a training request and authorization form via proper department channels in time for it to reach Code 2405 by the enrollment deadlines of July 31, Aug. 10 or Aug. 23, depending upon which session they wish to attend.

Supply warehouse to close for inventory

Department personnel responsible for ordering normal operating stocks should check stock levels and order needed supplies before Aug. 7.

Warehouse 10 will be closed for inventory during the week of Aug. 7 to 11 and only emergency issues will be made at the warehouse. The Supply Department's TELMART Service will not operate during this period.

Warehouse 10 will reopen for normal service and TELMART will begin accepting telephoned orders for delivery on Aug. 14.

Persons needing emergency issues during the inventory period should contact Floyd Castillo or Robbie Robbins by telephoning NWC ext. 2241.

Class in management of troubled employees set

A course entitled "Management of the Troubled Employee" will be offered at the Training Center on Tuesday, Aug. 8.

Ken Burton of the Desert Counseling Center will teach the class, which will be held from 8 to 11:30 a.m.

The course is intended for supervisors and managers, but other employees will be enrolled if space is available.

The deadline for submitting training and authorization requests via department channels to Code 094 is next Friday, Aug. 4.