

### Actors sought for non-speaking roles in CLOTA production

Director Fred Stahlman is still trying to fill roles for "Inherit the Wind," the first play of 1978 for the Community Light Opera and Theatre Association.

Needed are 10 men to take the part of the jurors (all non-speaking parts), and someone to take the role of an organ grinder. The catch in the casting of the latter role is that whoever gets to be the organ grinder also must furnish a live monkey to perform with the organ.

Individuals who are interested in any of these roles may contact Stahlman by calling him at 375-5214. They will only be needed during the last two weeks of rehearsals.

Cast in the demanding major roles as (respectively) the prosecuting attorney and defense attorney are Len Finney and Bob Pinney. Mark Roether will portray the part of the defendant, who is being tried for teaching the Darwinian theory of evolution, and Denise Wehle plays his girl friend.

Hornbeck, the reporter, is played by David Penrose; the part of Reverend Brown is handled by Tony Taylor; and Meeker, the bailiff, by Bill Baker.

Others in the supporting cast are Diderot Ausseresses, Gerald Baker, Janeal Cobb, Chris Cole, Tim Connaghan, Sue Cutler, Loren Dorell, Kevin Harper, Tina Hill, Bonnie Irvine, Clyde Irvine, Jack and Betty O'Guin, Paul Papalizio, Claudia Sterrett, Don Tilford, Connie White, Gaylen White, Pat White and Charles Wilcox.

"Inherit the Wind" is being directed by Stahlman, with Lee Bartlett as assistant director and A. J. Waid as the technical director.

The play is scheduled for production in the Burroughs High School lecture center on March 31, April 1, 7, and 8.

### Kingston Trio to play for COM dinner show

Tickets are still available for the Kingston Trio dinner show, which is scheduled for the evening of Friday, March 3, at the Commissioned Officers' Mess.

A prime rib dinner will be served from 6 to 9 p.m., with music for dancing beginning at 8. The Kingston Trio will play two shows, one at 10 p.m. and the second at midnight.

Reservations at \$12.50 per person for both the dinner and the show can be made by calling the COM, ph. 446-2549.



CONCERT SERIES MUSICIANS — Coming next Thursday, March 2, to the stage of the Center theater for the next program in the Indian Wells Valley Concert Association's 1977-78 season will be a young professional group called Quartette en Concert. They are (from left) John Heitmann, flutist; Gerald Walker, oboist; Sharon Gunderson, harpsichordist, and John Campbell, bassoonist.

### Quartette en Concert to be featured in program on March 2 at theater

A program of music spanning the 18th to 20th centuries, featuring various combinations of flute, oboe, bassoon and harpsichord, will be presented as the next offering of the Indian Wells Valley Concert Association on Thursday evening, March 2, at the Center theater. Curtain time will be 7:30.

This young professional group, called Quartette en Concert, though dedicated to authentic baroque style and performance, is equally at home with composers of other

eras.

During their appearance here, Sharon Gunderson, harpsichordist; John Heitmann, flutist; Gerald Walker, oboist, and John Campbell, bassoonist, will present a program that will include the more familiar baroque and rococo masterpieces of such composers as Antonio Vivaldi and Georg Telemann, as well as classical works by Franz Joseph Haydn and Johann C. F. Bach.

The group has made two European tours, both of which met with remarkable success.

Ms. Gunderson is currently completing her doctoral studies at the University of Southern California where she studies harpsichord with Malcolm Hamilton. In addition to her appearances with Quartette en Concert, she is the harpsichordist with the Los Angeles Camerata.

Heitmann teaches flute at California State University in Northridge. He has performed with the Buffalo and Los Angeles Philharmonic Orchestras, and held the position of co-principal flutist with the Israel Philharmonic Orchestra.

Walker is a member of the Los Angeles Camerata, and was the principal oboist during the group's highly acclaimed tour of Europe during 1976.

Campbell, who is a native of Los Angeles, was for four years the principal bassoonist for the Calgary Philharmonic Orchestra in Alberta, Canada. Since returning to Los Angeles, he has performed as principal bassoonist with the Glendale Symphony and the Los Angeles Chamber Orchestra.

**Tickets on Sale**

Tickets to next Thursday night's concert, which is the fifth in the 1977-78 season of the Indian Wells Valley Concert Association, are priced at \$4 each for general admission or half price (\$2) for enlisted military personnel and those either under 21 years of age or more than 65 years old.

Tickets to the Quartette en Concert program are now on sale in Ridgcrest at The Gift Mart, The Grainery, The Music Man, Lilly's Dress Shop, the Medical Arts Pharmacy and at the Drummond Medical Group Center Pharmacy. They also can be purchased at the Inyokern Market, in Trona at the office of the Trona Argonaut newspaper, and in Johannesburg at the Rand District News and Miner office.

In addition, telephone orders for tickets can be placed at any time by calling the IWV Concert Association, 375-5600.

Tickets will also be available on the day of concert from 4:45 to 7:15 p.m. at the Center theater box office. Doors will be open to concert-goers at 6:45 p.m.

In order that all interested persons may be able to attend, special event passes for entry to the Naval Weapons Center will be available at the main gate and also at the south gate to NWC.

## 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

Regular starting time—7:30 p.m.

Program subject to change without notice.  
- For further information call NWC ext. 2259

FRIDAY 24 FEBRUARY

"THE ENFORCER" (96 Min.)  
Clint Eastwood, Harry Guardino  
(Action-Drama) This film is another in the "Dirty Harry" series. Eastwood is transferred from the homicide bureau and finds himself partnered with a female cop (Tyne Daly). He overcomes his male chauvinist attitude, however, when she proves to be an able partner and he mourns her death when she is killed when backing him up while freeing the kidnapped mayor of San Francisco. (R).

SATURDAY 25 FEBRUARY

"HAWMPS" (113 Min.)  
Chris Connelly, James Hampton  
1:30 p.m. Matinee  
(Comedy) This film is a comedy about a pre-Civil War Army experiment to determine the feasibility of replacing the U.S. Cavalry horses with camels. Hampton is an Army lieutenant who is assigned to train the camels for use in a desert section of Texas. This movie is based on fact. (G)

"THE SLIPPER AND THE ROSE" (128 Min.)

Richard Chamberlain, Gemma Craven  
7:30 p.m.  
(Musical) A musical version of the renowned fairy tale, Cinderella. Chamberlain is the unhappy Prince who is being forced into a marriage by his parents. Craven is the lovely Cinderella confined to her stepmother's kitchen. She attends a palace ball with magical help and it is love at first sight when she meets the Prince. The clock chimes midnight and she runs off, leaving the Prince holding her lost glass slipper. The happy end comes soon as the Prince seeks and finds the owner of the slipper. (G).

SUNDAY 26 FEBRUARY

"MACKINTOSH AND T. J." (97 Min.)  
Roy Rogers, Clay O'Brien  
(Western Drama) Drifter and ex-ranch hand MacIntosh (Roy Rogers) gives a lift to 14-year old vagrant T. J. (Clay O'Brien), whose dream is to see the Pacific Ocean. On the road they encounter a nosy ranch hand who mistakenly tells a woman's husband that his wife has been seeing Rogers. Rogers gets in a fight with the husband and a square dance, and later when the husband is killed, the ranch hands pursue Rogers, believing that he is the murderer. O'Brien rescues Rogers and they move on heading for the Pacific. (PG)

WEDNESDAY 1 MARCH

"THE CHICKEN CHRONICLES" (116 Min.)  
Phill Silvers, Lisa Reeves  
(Comedy) In May 1969 Beverly Hills high school student Steven Guttentberg looks forward with anxiety to graduation and making love with his girlfriend, Lisa Reeves. He works at Chick on the Run, a restaurant owned by Silvers. He is also in trouble with the school's vice-principal for foraging passes. Guttentberg's younger brother is hospitalized and the kind-hearted Silvers helps to get him released. Guttentberg is unable to seduce his girlfriend, but is caught substituting an old girlfriend instead. (PG)

THURSDAY 2 MARCH

IWV Concert Association presents  
QUARTETTE EN CONCERT  
7:30 p.m.

FRIDAY 3 MARCH

"SHADOW OF AN EMPTY ROOM" (99 Min.)  
Tisa Farrow, Carole Laure  
(Action-Drama) This film is set in Canada and centers around a police captain who is involved in solving the murder of his sister on a college campus. The film is fast moving with chase sequences in which Laure pursues a suspect through the streets of Montreal and finally catches him in the operating room of a hospital. (R)

U.S. Government Printing Office: 1978-114

From: \_\_\_\_\_

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

PLACE STAMP HERE



# NWC rocketeer

## New smoke weapon undergoing safety, environmental testing at China Lake

By Mickey Strang

Marines involved in amphibious landings or in airborne helicopter assaults who would be protected by a camouflaging smoke screen will be the primary beneficiaries of a new smoke weapon now undergoing safety

and environmental testing at the Naval Weapons Center.

The new weapon is being developed using both Army and Navy expertise though the project is under the technical direction of NWC personnel.

The weapon is expected to be developed in a short period of time (well under a year total development and testing), and with a minimal amount of money because of the cooperation and coordination of the various agencies involved, and because its development involved a combination of tested and proven hardware already in the inventory of the Navy. Hardware for the new weapon is the CBU-72 / B dispenser and canisters.

**Cooperative Effort**

Personnel from China Lake; the Edgewood Division of the Army's Aberdeen Proving Ground; the Naval Weapons Support Center (NWSC), Crane, Ind.; and the Naval Ammunition Depot, Hawthorne, Nev., are coordinating their efforts to develop the new weapon.

The weapon consists of a dispenser and three canisters which are loaded with the smoke agent. The dispenser can be deployed at high speed and low altitude from combat aircraft already in the Fleet. The weapon arms as it is released from the aircraft. When it is armed the rear dispenser plate is blown off which in turn pulls out the first canister from the dispenser; this then pulls out the second canister, and the second then pulls out the third. Each of the canisters dispense their materials in a line approximately 150 feet

apart.

Each of the canisters releases a smoke agent which produces enough smoke to cover a circle 400 ft. in diameter. The white smoke rises from the level of the water or ground to a height of 700 to 1,000 feet and is dense enough to provide adequate screening for Marine assault forces.

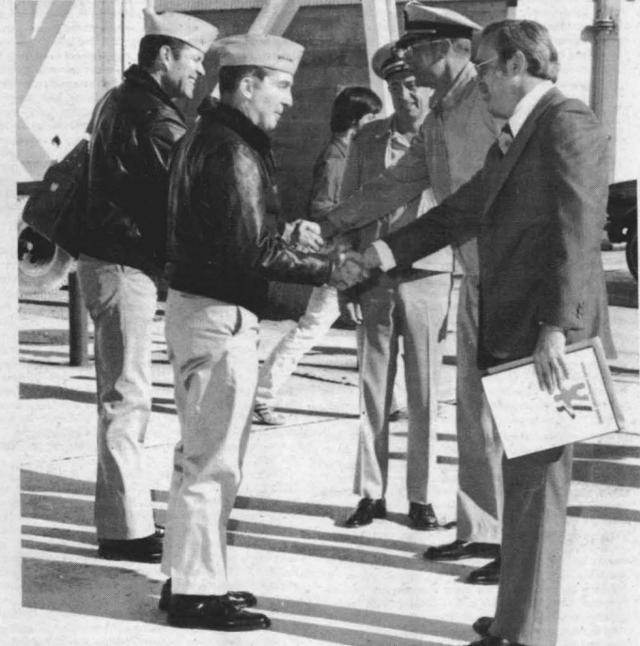
Tests have established that the smoke has minimal effects on either the troops or their weapons.

**Prime Factor**

Obviously, a prime factor in the successful smoke weapon is the choice of the smoke producing agent. Candidate agents for the tests were selected after consultation with Dr. Pierre St-Amand, head of the Earth and Planetary Sciences Division in the NWC Research Department; Army personnel from the Edgewood Division of the Aberdeen Proving Ground, and Navy personnel from NWSC, Crane, Ind.

Factors that needed to be considered were: life cycle safety compatibility, obscuration provided by the smoke, high persistency of the smoke obscuration (a relatively long life for smoke produced), effectiveness of the smoke in wind, cost of the smoke agent, and chemical compatibility to the ignition and dispersion train of the CBU-72 / B hardware.

Fourteen smoke agents were finally selected for testing. Tests were planned for over-water operations since the primary usage planned for the final weapon would be for Marine amphibious assaults; areas in which such tests could be feasibly carried



WELCOME ABOARD — Admiral Robert L. J. Long, Vice Chief of Naval Operations, was greeted by Rear Admiral William L. Harris, NWC Commander, as he stepped (top photo) from the aircraft that brought him here Tuesday from Washington, D.C., for a short, but intensive, briefing on projects and capabilities of the Naval Weapons Center. Others on hand to welcome the distinguished visitor (in addition to RADM Harris) were (lower photo) Capt. F. H. M. Kinley, Vice Commander, and Robert M. Hillyer, Technical Director, who is shaking hands with Admiral Long. The Vice Chief of Naval Operations was accompanied by a group that included his aide, Capt. James E. Service (at left) during his one day visit for the purpose of observing the manner in which the Center contributes to the Navy's role in the nation's defense. See other photos on Page 3.

### Navy helicopter called to aid in transporting injured 'cycle rider

A helping hand in time of need was provided early Sunday evening by a Navy search and rescue helicopter from the Naval Weapons Center airfield.

Navy assistance was requested when it turned out that rugged terrain in the vicinity of a canyon in the Spangler Hills (located a short distance south of China Lake) made it impossible for an ambulance to reach the victim of a motorcycle accident.

On call when the request for help was received was LCdr. Dale Haan, a helicopter pilot who is assigned to NWC as a military research assistant in the Physical Optics Laboratory of the Research Department.

Joined by AD1 Bill Hornbaker and PR3 R. E. Alexander as crew members of the UH1N "Huey" helicopter, LCdr. Haan took off from NWC airfield at around 6:45 p.m., landed briefly near the Wagon Wheel (located on the Trona-Red Mountain Rd.) to pick up Sandy Poulin, an ambulance attendant for the Tri-County Ambulance

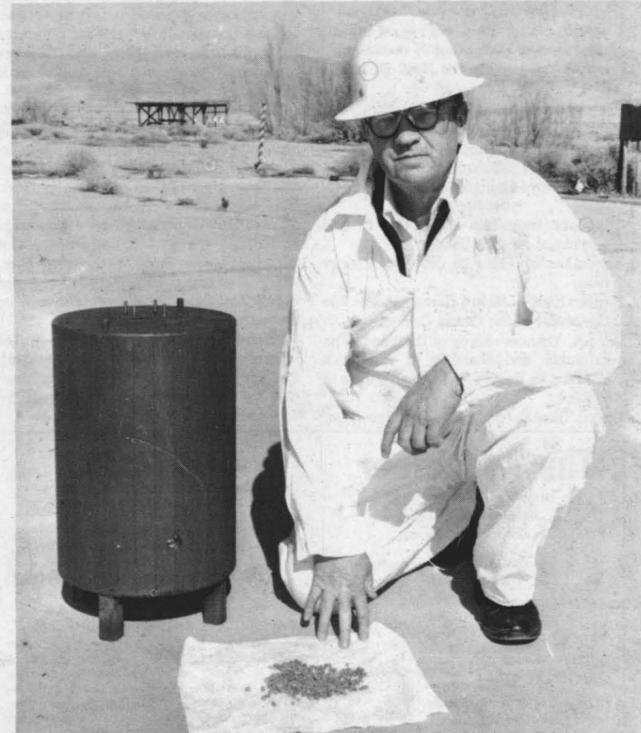
Service, and additional first aid supplies, and then headed for the accident site — following Poulin's directions.

The landing there was a routine one, as LCdr. Haan was guided in by a fire set by others at the scene and by the helicopter's landing lights.

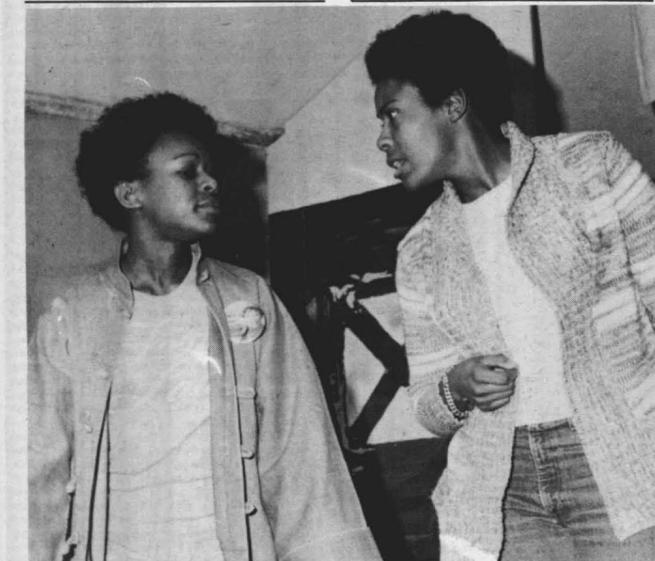
The accident victim, Fred Miller, of Burbank, who suffered possible back, neck and shoulder injuries, was flown quickly to the Ridgcrest Community Hospital heliport and taken from there to the emergency room of the local medical facility for treatment.

At the time the motorcycle accident occurred, Miller and two companions were enjoying a bit of off-road 'cycling when Miller took a spill. One man, John Sheldon, rode to the Wagon Wheel to seek help, while the other, Jim Brock, remained with the accident victim.

A radio call to a member of the Radio Emergency Assistance Citizen Team (REACT) in Ridgcrest started the Tri-County Ambulance



SAFE TO HANDLE — Lloyd Holt, program manager for the smoke weapon, displays pellets of the red phosphorous smoke agent to demonstrate that they will not ignite spontaneously when exposed to air. Testing has been accomplished using canisters such as the one shown in photo. The smoke produced by the actual smoke weapon is adequate for providing a screening camouflage for Marine amphibious assault troops or for helicopter assaults. —Photo by Ron Allen



IN REHEARSAL — Ava McClendon (l.), who plays the role of Beneatha in the China Lake Players production of "A Raisin in the Sun," and Lena Younger in the role of her mother, rehearse for the play which will be presented on the evenings of March 10, 11, 17, and 18 at 8:15 at the China Lake Players' Hut at 405 McIntire St. on the Center. Tickets are \$2.50 for general admission, with students under 21, children, enlisted military and senior citizens over the age of 65 being charged \$1.50. Because of the limited seating that is available, reservations must be made in advance by telephoning Rosalie Barber at 375-9470. —Photo by Bill Bennisson



STOPOVER FOR MARINE CONVOYS — A lot of vehicle traffic and personnel from Camp Pendleton, near Oceanside, have been seen here recently as convoys bound for the Marine Corps cold weather training camp in the Sonora Pass area, north of Bridgeport, have stopped over long enough to refuel and get some food for the troops before moving on. Shown looking over a checklist of vehicles and equipment they are responsible for are Sgt. G. V. Youngblood (at left) and GySgt. J. A. West, who are members of the Headquarters and Support Battalion, Divisional Support Group, of the First Marine Division. Cold weather training means different things for those with various military occupational specialties. It ranges from patrolling, simulated combat and weapons firing by riflemen and artillery units, to road building work by engineers, and vehicle and equipment maintenance in extremely cold weather by mechanics and other support personnel. —Photo by Ron Allen

### Promotional Opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 092, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 916 or 927). Advertisement positions in the Promotional Opportunities column do 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.

**Computer Programmer, GS-334-11, Code 6224, PD No. 7862010** — This position is located in the Data Reduction Branch, Range Operations Division, Range Department. The incumbent is responsible for the analysis, design, development and implementation of state-of-the-art digital computer software. Duties include investigating data management requirements for present and future test range objectives, developing software systems in several languages, maintaining and modifying branch software. Job Relevant Criteria: Demonstrated competence in design and implementation of large, complex computer software systems; ability to produce effective verbal and written reports; fluency in high level computer languages such as FORTRAN, PASCAL AND PL 1. Clerk-Typist, GS-322-4, PD No. 7618005, Code 611 — This position is located in the Base Operations Division, Aircraft Department. The incumbent provides secretarial services to the division. Duties include receiving telephone and personal callers, screening and routing mail, compiling and typing reports, maintaining records and files. Job Relevant Criteria: Typing skills, knowledge of Navy correspondence procedures, ability to interpret instructions, reliability and dependability, ability to meet and deal effectively with others.

**File applications for the above with Jan Nieberlein, Bldg. 24, Rm. 204, Ph. 2327.**  
**General Engineer, GS-801-11/12, PD No. 773690-1 and 773690-2, Code 34804 (2 vacancies)** — Applications will be accepted from both NWC employees and status eligibles. These positions are that of system safety engineers in the System Safety Office, Product Assurance Division, Engineering Department. Incumbents will be responsible for the implementation of Department of the Navy Directives for System Safety in a manner consistent with the mission of the Center and the related system or subsystem objectives. Duties include providing system safety data to program managers, formulating system safety management procedures and schedules, and selecting and performing detailed systematic hazard analysis. Job Relevant Criteria: Experience in engineering which has included at least five years in activities such as system engineering, reliability, ILS, or other associated technical disciplines; ability to conduct meetings, make presentations, and to interface effectively with all levels of management. Experience in system safety is preferred, though not mandatory. Training will be provided.

**Model Maker, WG-4714-14, JD No. 418-N, Code 364 (multiple vacancies)** — Positions are located in three branches of the Engineering Prototype Division of the Engineering Department including Experimental Model Shop, Mechanical Prototype Branch and Salt Wells Support Branch. Duties include machining, laying out, fitting, developing, assembling, designing, maintaining, modifying, installing, and constructing experimental models such as aircraft guided missiles, projectiles, antennas, scientific devices, instruments, cameras and other ordnance and scientific items. The model maker is typically concerned with the entire experimental feature or model, and contributes in practical ways to its design. Frequently works from specifications detailing only the final working requirements of the complete model without detailing the steps and methods necessary to obtain the

desired results. Able to apply personal knowledge and skill in at least one other trade with sufficient knowledge to establish the requirements for other tradesmen to follow and to accept or reject their work. Relevant Criteria: Ability to do the work of the position without more than normal supervision; technical practices (ability to do the theoretical, precise, and/or artistic work of the trade); knowledge of pertinent materials; ability to interpret instructions, specifications, etc. (including reading drawings); ability to use and maintain tools, instruments, and equipment. Supplementals are required and may be picked up in Room 204 of the Personnel Bldg. Ad will run two weeks beginning today and closing March 10.

**File applications for above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2925.**  
**Mechanical Engineer Technician, GS-802-5, thru 10, PD No. 7370106, Code 2634** — This position is in the Mechanical Branch, Engineering Division, Public Works Department. The incumbent is assigned work including alterations and improvements, construction, replacement and maintenance and repair concerned with the engineering aspects of air conditioning, ventilation steam distribution, low and high pressure gas installations and interior plumbing for industrial systems. Projects vary from construction of technical research and development installations to domestic facilities such as housing and other community facilities. Job Relevant Criteria: Experience or knowledge of mechanical design, estimating, construction methods and materials; specialized knowledge to develop, establish, and coordinate standard details for designers and construction personnel. General knowledge of electrical, civil, structural, and architectural engineering.

**File applications with Marge Stanton, Bldg. 34, Rm. 210, Ph. 2032.**  
**Secretary, GS-318-4/5, PD No. 7808004, Code 894** — This position is secretary to the Deputy Head, Office of Finance and Management. The incumbent is responsible for providing administrative/clerical support to the supervisor; maintains calendar, files, etc.; reviews and directs incoming mail to the appropriate official; prepares routine correspondence, schedules meetings and conferences, and arranges travel. Job Relevant Criteria: Must be familiar with Navy correspondence formal and files; knowledge of Center organization and policies; must be proficient typist; must be able to screen inquiries and solve problems with limited amounts of guidance.

**File applications with Tina Rockdale, Bldg., 34, Rm. 206, Ph. 2474.**  
**Electronics Technician, GS-856-9/10/11/12, PD No. 7439017-1E, Code 3944** — This position is located in the Electronics Branch, Electro-Optics Division, Weapons Department. The mission of this branch is the design, analysis and testing of electro-optical guidance and control subsystems and systems. The incumbent is responsible for the design, fabrication and evaluation of systems and sub-systems relating to the area of digital and analog guidance and control for launcher and missile systems, target acquisition and detection systems and communication systems. Job Relevant Criteria: Current technical knowledge and background that can be applied to: infrared guidance systems; analog and digital signal processing systems; IR seeker field test evaluation

(Continued on Page 7)



**SERVICE HONORED** — Capt. J. D. Killoran, NWC Director of Supply, pins a 35-year federal service pin on Gordon Beauchamp, a motor vehicle operator in the Receiving Operations Branch of the Material Division of the Supply Department. Beauchamp had 20 years enlisted service in the Navy before coming back to work at China Lake as a civilian employee. —Photo by Ron Allen

### DIVINE SERVICES

- PROTESTANT**  
Sunday Worship Service 1015  
Sunday School — All Ages 0900  
Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant.  
Communion Service first Sunday of the Month.
- ECUMENICAL**  
Wednesday Noon Bible Study 1130  
Thursday Men's Prayer Breakfast 0630
- ROMAN CATHOLIC**  
MASS  
Saturday 1700 fulfills Sunday obligation  
Sunday 0700 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  
Services — (Sept. - May) 1930

### Team 'W' leads pack in Div. C intramural basketball standings

Team "W" pulled a single game ahead of the pack during last week's competition in Division C of the China Lake Intramural Basketball League.

While Team "W" was putting together a 37-29 win over the Lobos, who have dropped into the Division C cellar with a 3 and 9 record, the Wild Bunch was nudged out of a tie for first place tie as the result of a 56-53 loss to the Medicine Men.

During other games played last week, the Renegades, who have a firm grip on third place, were tripped up by Team "X" and came out on the short end of a 25-24 final score, while the Lobos were snared, 43-34, by the Jokers.

Team "X", which has staged a late-season surge, handed the Medicine Men their second loss of the week on Thursday, Feb. 16, by a score of 39-29. That same night, the Lobos dropped their third straight game — this time to the Renegades by a score of 43-45 — and the Jokers let the air out of the Gasbags, 49-41.

Next week's contests will bring the Intramural Basketball League season to an end. Games scheduled are:

Tuesday, Feb. 28—Medicine Men vs. Jokers, 7:15 p.m., and Gas Bags vs. Wild Bunch, 8:30 p.m.

Wednesday, March 1—Renegades vs. Jokers, 6 p.m., and Team "W" vs. Gasbags, 7:15 p.m.

### Intramural League Basketball Standings Division C

Team	Won	Lost
Team "W"	9	1
Wild Bunch	8	2
Renegades	7	4
Medicine Men	4	6
Jokers	4	6
Team "X"	4	7
Gasbags	2	6
Lobos	3	9

### Sidewinders continue to hold solid grip on Premier League lead

A combination of three wins by the Raytheon Sidewinders and two losses by the second team Elks Lodge keglers enabled the Sidewinders to increase their first place lead to 5½ games during Monday night's action at Hall Memorial Lanes.

The Sidewinders, who posted both the high team game (1,059) and high team series (2,831) swept their series with the cellar-dwelling King Max bowlers, while the Pollock Construction team won two games out of three from the Elks.

High individual series was rolled by Chuck Albright, who turned in a three game total of 643. Others over the 600 series marks and their scores were Jim Wright and Vick Black, each with 617.

Premier League bowlers with single game scores of more than 220 were Cliff Moss (267), Wright (258), Albright (256), Jim Bradberry and Chuck Roulund (234), Don Carlson (229), and Ernie Lanterman (225).

### Admiral's Cup play in basketball to begin Wed.

Admiral's Cup competition in basketball will begin next Wednesday, March 1, at 7:15 in the Naval Weapons Center gym.

Teams representing NWC North (the airfield) and NWC South (main side) will vie on March 1, while the next night (Thursday, March 2), it will be VX-5 vs. NWC North. The tip-off time for this contest is 6 p.m.

Admiral's Cup basketball competition will then be resumed on Tuesday, March 7, when the game between VX-5 and NWC South is scheduled.

At the present time, VX-5 is in the lead with a total of 25 points in the Admiral's Cup standings. NWC South and NWC North are trailing with 19 and 18 points, respectively.

Various Admiral's Cup athletic events are staged each month, with first, second and third places being worth 5, 3 and 1 point in the standings.

### Employee in the spotlight



Patricia Johnson

"Pat's one of the good guys," is how her supervisor, Ernie Solberg, characterizes Patricia Johnson. "She never kicks up a fuss, but she's always there, always helpful to everybody."

Pat, an analyst and programmer in the Advanced Business Systems Division of the Office of Finance and Management, modestly disclaims any special abilities for herself; all she says about her job is that she feels she was lucky to get into that particular area of work and after ten years still enjoys her job enormously.

"I've always liked solving problems," she says, "and that's what programming really is."

She did not start out to be either a systems analyst or programmer. In fact, what brought her to China Lake originally was a Kern County Union High School District recruiter who came to the University of Iowa from which she holds a bachelor's degree and hired her as a math teacher for Burroughs High School.

"Actually," Pat notes, "I didn't know anything about the area except that on the California map we had, Ridgecrest was right next to a picture of a burro, but I wanted to get away from the cold weather." (She adds that when she drove out to the Indian Wells Valley the next August in a car that did not have air conditioning, she knew that she had indeed gotten away from cold weather.)

After a year of teaching, however, she

decided that she did not really like to teach high school students, so she took tests to become a federal employee, leading towards a job as a trainee programmer. She had taken one college course in programming and had liked it. ("At that time there weren't more than one or two college classes offered in programming.") To her delight, Pat was hired by the Management Data Processing Group, predecessor of the Advanced Business Systems Division. In

fact, she has even been in the same building, old Dorm 15, during all of her years of work for the Center.

"It's a good place to be," Pat says, "because there's enough room for offices. But most important, there are a lot of nice people in that group."

A major attraction to remaining in the local area at that time was that she had met her husband-to-be, Darrel Johnson. (Darrel is now the assistant fire chief in the China Lake Fire Division. He had been stationed here while in the Navy and had joined the Fire Division on his separation from the service.)

Rounding out the Johnson family now are their two sons, Chris, who is 8, and Jeremy, who is 5. Pat says that the family is a group of homebodies. Outside activities are concentrated on Darrel's coaching youth basketball which young Chris plays. "I'm a bleacher mother and enjoying it," Pat added.

Family activities also include a lot of traveling across the country to visit various relatives. Darrel's family lives in New York, and Pat's home is in Adair, Iowa. She was actually born in Atlantic (which is a very small town, according to her), but grew up in Adair and was graduated from Adair/Casey High School as a member of a graduating class of 43 students.

"Adair," Pat says, "is built along the highway because that's the only way that there'd be enough of a town showing so that people wouldn't miss us as they drove past."

"I guess I like living in a community about the size of this one," Pat muses. "I know that with my family life and a job I like and our home, I'm a very contented person."

Volunteers available to work with senior citizens have been trained in tax matters and are capable of dealing with most problems confronting elderly taxpayers. Further information about this program and the services that are available can be obtained by calling either Elizabeth Lacombe, VTAP coordinator for the Indian Wells Valley, at 375-8290, or Jean Blecha, the Cerro Coso Community College adult program coordinator at 375-5001, ext. 68.

### Metal Trades Council

The next regular monthly meeting of the Indian Wells Valley Metal Trades Council will be held on Thursday, March 2, starting at 7:30 p.m., at 65-B Halsey Ave., China Lake.



**MUSEUM BOARD ELECTS OFFICERS** — James Baird (at left), an operations research analyst in the Weapons Planning Group, recently was elected to the office of president of the Maturango Museum's board of trustees, succeeding Lorraine McClung. Other officers of the museum's board of trustees for 1978 are (l-r) Robert Berry, vice-president; Tina Knemeyer, secretary, and Carroll Evans, treasurer. The election of new officers for 1978 followed the museum's annual meeting held on Jan. 30. At that time, Mrs. Knemeyer, Frank Cartwright and Ben Tozier were chosen to fill vacancies on the museum's board of directors. One of the major community-wide events coming up in which the Maturango Museum will be participating is the High Desert Escapade on the weekend of April 22-23.

### Opportunities...

(Continued from Page 7)  
techniques; design, fabrication and testing of high speed digital or analog guidance and control and video processing systems.

**File applications for the above with Cathy Rivera, Bldg. 34, Rm. 206, Ph. 2723.**

**Operations Clerk, AS-4301-04, \$3.05 PH, PD No. 78CPO106, Code 08922, CPO Club, part time** — This is not a Civil Service position. The incumbent provides clerical support to the Chief Petty Officers' Mess manager. Incumbent types contracts, requisitions, personnel actions requests, and correspondence; makes appointments; files and maintains membership application file; routes mail, makes arrangements for entertainers, provides information and books parties and other special events. Job Relevant Criteria: Qualified typist; ability to operate adding machine and cash register; knowledge of dining room operations; ability to deal tactfully with customers, and ability to supervise.

**Cook, NA-7404-05, \$3.45 PH, PD No. 74EMO104, Code 08723, EMO Club, part time** — This is not a Civil Service job. The incumbent prepares such food as steak and waffles, pizzas and hamburgers. Prepares salads, appetizers, sandwich fillings, and cold dishes. May assist chef in main galley to prepare and cook roast, sauces soups and vegetables. Desirable Qualifications: Ability to prepare a variety of meats, poultry, seafood, vegetables, sauces and gravies. Knowledge of cooking equipment.

**Bartender, NA-7405-03, \$2.93 PH, PD No. 74EMO101, Code 08923, EMO Club, part time** — This is not a Civil Service job. Applicants must be at least 21 years old. Incumbent mixes alcoholic/non-alcoholic drinks to order, delivers drinks, receives payment or appropriate charge to credit card. May be required to serve catered parties stock service bar, prepare garnishes, wash glasses and other bar equipment. Desirable Qualifications: Must have ability to do simple arithmetic and make proper change. Must be able to follow instructions and deal effectively with people. Experience in preparing alcoholic beverages.

**Auto Mechanic, NA-822-8, \$4.22 PH, PD No. 7755110, Code 0891, Golf Course, full time** — This is not a Civil Service job. The incumbent tears down large and small engines to perform general and major overhauling. Grinds valves, repairs transmissions, carburetors, fuel pumps starters, generators, alternators, hydraulic systems, high pressure pumps and valves. Installs batteries, tires, wiring and electrical motors. Establishes and maintains records of repairs, inspecting parts inventory, time worked and orders; establishes schedules of routine and preventative equipment maintenance. May be intermittently placed into a supervisory situation over personnel assisting in mechanical repairs. Desirable Qualifications: Must possess a thorough knowledge of automotive maintenance, electrical theory, hydraulic theory, internal combustion engine theory, shop mathematics through arithmetic and be skilled in the use of a wide variety of equipment repair tools. Must be able to obtain a government driver's license. Must be able to lift and carry objects up to 100 lb.

**File applications for the above with Cheryl Hartley, Bldg. 21, Ph. 3387.**

### New non-contributory retirement plan urged as part of military pay reform

The President's Commission on Military Compensation last week agreed to recommend to President Jimmy Carter a new non-contributory retirement plan as part of its proposal on the reform of the Military Pay and Retirement System.

Under the proposed retirement plan, eligibility for retirement annuities would

begin after 10 years of service. Those members serving 10-19 years would begin receiving annuities at age 62. Payments would be received starting at age 60 for those who serve 20-29 years and at age 55 for those serving more than 30 years.

The proposed retirement system also would incorporate inflation protection determined by the Consumer Price Index and the integration of retirement pay with Social Security payments and Civil Service retirement annuities.

Service personnel who have begun their second enlistments, completed their initial obligated service or entered their fifth year of service, would be permitted to retire under the present system, according to the commission's proposed recommendations.

The proposals also provide for severance payments to be made to members who are involuntarily separated with less than 30 years of service.

The Commission agreed that the current pay table provides a proper starting point and will recommend that military pay increases continue to be equal with the annual pay raises given to Civil Service employees.

A recommendation to award junior enlisted service personnel all entitlements including travel, transportation of household goods, overseas housing, overseas cost of living, temporary lodging, and family separation allowances also will be made by the Commission.

Committee Chairman Charles J. Zwick stressed at last week's meeting that agreements made by the Commission still are subject to modification when the Commission reviews its total package.

### New books listed at NWC library

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

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

### FICTION

Jack M. Bickham—The Winemakers.  
Agatha Christie—Starring Miss Marple.  
Richard Duprey—Duel on the Wind.  
George Stone—Blizzard.

### NON-FICTION

Theodore Bernstein—Dos, Don'ts and Maybes of English Usage.  
Ronald Dervin—How To Cut Your Energy Bills.  
Stephen Hirst—Life in a Narrow Place: The Havasupai of the Grand Canyon.  
Dana L. Thomas—Lords of the Land: The Triumphs and Scandals of America's Real Estate Barons From Early Times to Present.  
Lowell Thomas—So Long Until Tomorrow.

### The Rocketeer

Official Weekly Publication  
Naval Weapons Center  
China Lake, California  
Rear Admiral William L. Harris  
NWC Commander  
R. M. Hillier  
Technical Director  
Dr. Robert H. Pearson  
Head,  
Technical Information Department  
Don R. Yockey  
Editor  
Mickey Strang  
Associate Editor (Acting)  
Gizette Mahuter  
Editorial Assistant  
Ron Allen  
Staff Photographer



**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 NPP-R P.35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. Information in The Rocketeer is authorized for public release by the Office of the Commander, Code 003.  
Phones 3354, 3355, 2347



Recreation Round-up

### Practice swimming meet scheduled at gym pool Saturday

The indoor swimming pool at the Naval Weapons Center gym will be the setting for a practice meet tomorrow between the Indian Wells Valley and High Desert swim teams.

An hour-long warmup starting at 7:30 a.m. will precede the first race of the day, and competition will continue until 1 p.m. The public is invited to attend.

Some 200 youngsters in all will be involved in this swim meet, and there will be ribbons awarded to those who place first through sixth in various age brackets of the competition.

There will be events for boys and girls 8 years of age and under on up through those 18 years of age.

Coaches of the two teams are Diane Brown, for the Indian Wells Valley swimmers, and Bruce Auld, who is in charge of the High Desert aquatic squad.

#### Golf Clinics Planned

Clinics for the purpose of offering instruction in the basics of playing golf to enlisted men up through the rating of senior chief petty officer will be scheduled at the China Lake golf course by Paul Someson, local golf pro.

Plans call for limiting such clinics to a group of seven to ten novice golfers per session. Times will be arranged that are convenient for the participants.

Those wishing to take part in such clinics are urged to make their interest known by calling Someson at NWC ext. 2990.

#### Intramural Volleyball

Another organizational meeting for the purpose of making plans for the coming season of intramural league volleyball will be held at 5 p.m. Monday at the Community Center. Groups interested in forming teams to compete in league play are urged to send a representative to this meeting.

#### Military Volleyball Tourney

An 11th Naval District Northern Area elimination tournament for military men's volleyball teams has been scheduled March 20 to 24 at the Long Beach Naval Station. Military men at the Naval Weapons Center who would like to compete in such an event are asked to contact Doug Nelson, NWC athletic director, by calling ext. 2334.



**NEW SUP'T AT GOLF COURSE** — Ralph Stumbaugh (at left), new superintendent at the China Lake golf course, observes as Marc Hirschy, assistant superintendent, uses a pole-like device that is available for whipping the frost off putting greens before early-morning golfers are allowed out on the course at this time of the year. —Photo by Ron Allen



**READY FOR MDISL COMPETITION** — Members of the Naval Weapons Center basketball team, who will be participating today through Sunday in the Mojave Desert Inter-service League tournament at Norton Air Force Base in San Bernardino, are shown above. Kneeling in front are a trio of guards (l.-r.) Kelvin McSwain, Andy Price and Gregg Robbins. Standing are (from left) Charlie Barrows, a forward; John Spells, center; Bob Bailey and Tim Cornelius, both forwards. Four other members of the team — Tony Boulden, Jim Carr, Tony McCray and Tom Neidigh, were unable to be present for the photo. In their first MDISL game, the China Lakers will tangle with the team from the Marine Corps Base at 29 Palms at 3 p.m. today. —Photo by Ron Allen

## Ralph Stumbaugh now in charge of maintenance, upkeep at golf course

Maintenance and upkeep of the 18-hole China Lake golf course is now under the supervision of Ralph Stumbaugh, who arrived here in mid-December and is currently in charge of a crew of six fulltime and six part-time employees.

Asked about the condition of the local golf course, Stumbaugh noted that the weather has caused some early germination of trees and foliage. Otherwise, everything looks good and is recovering from winter weather and recent heavy rains, he added.

Stumbaugh's experience in this line of work includes management of a public golf course on Okinawa for seven years (1963 to '70). In addition, at various times during his 24½ years of active duty in the Army, he has served on golf course boards of governors, as chairman of greens committees, and was in charge of planning and developing a golf course in Baumholder, Germany.

China Lake's golf course superintendent was a sergeant major serving with an Army Engineer Group on Okinawa at the time of his retirement from military service in 1965, and remained there for another five years—continuing the job he had started two years

earlier as golf course manager.

Prior to coming to work here, the ex-Army sergeant major had been the manager of the Devils Lake State Park for the State of Oregon's Parks and Recreation Department.

Stumbaugh's military service began during World War II, when he served with the 2nd Ranger Battalion and was in on the D-Day invasion of France. He remained in the Army until the end of World War II. He then had a 19-month break in service until he re-enlisted in 1947 and served continuously until 1965.

Stumbaugh was accompanied to the Naval Weapons Center by his wife, Ruth. They are the parents of a daughter, Patricia, who lives in Coos Bay, Ore., and two sons—Michael, a resident of Fort Worth, Tex., and Sgt. 1st Class Richard Stumbaugh, who followed in his father's footsteps by joining the Army and is currently stationed in Germany.

### China Lake Tennis Club membership drive under way

The annual membership drive of the China Lake Tennis Club is now in progress, with membership for the year costing \$5 per person and \$1 for all full time students.

The club sponsors tennis matches of three sorts: fun tournaments, which are limited to club members; competitive tournaments; and team matches with other clubs, both at China Lake and elsewhere. Players of all skill levels can compete in the matches.

Other club activities have included construction of a shelter to provide shade at the China Lake courts, purchase of a court sweep to keep the courts clean, and purchase of a ball machine for use of club members.

The China Lake Club also sponsors the annual Gary Haugen Memorial tournament, which is a fund-raising event to provide a scholarship for a Burroughs High School student. Last year, the club contributed \$500 to this fund.

Anyone interested in joining or in obtaining further information about the China Lake Tennis Club is invited to telephone Ken Grant at 375-9634.

## Sign-ups for Youth Ctr. soccer program to begin March 1

Registration of young people 8 through 18 years of age who are interested in taking part in the Youth Center soccer program scheduled this spring will begin next Wednesday and continue through March 18 at the Youth Center.

Sign-ups will be handled during the Youth Center's regular hours of operation: Tuesday through Friday from 2 to 5 and 6 to 9 p.m., and on Saturdays from 9 a.m. to 5 p.m. Adults who are interested in assisting in the soccer program also are asked to drop by the Youth Center and register.

In preparation for the start of league games that will begin on April 1, there will be a parents' meeting at 6 p.m. on Thursday, March 9, at the Youth Center, followed on March 11 and 18 by player skill evaluation sessions at Davidove Field.

All prospective Youth Center Soccer League players will be required to attend a skill evaluation session in order to be placed on a team. Assignment of players to teams is scheduled on March 25, followed by practice in preparation for the start of league play.

Also as a prelude to the start of the Youth Center soccer season on April 1, there will be a clinic for coaches and referees on Monday, March 13, from 5 to 6:30 p.m. at Davidove Field.

The Youth Center Soccer League will be divided into divisions for teams made up of players from the second through fourth grades, fifth and sixth graders, and junior high and high school students.

## VX-5 enlisted man to join wrestlers at 11th ND training camp

Another upward step in his activity as a Navy wrestler had been taken by AOOA Morris Schultz, of Air Test and Evaluation Squadron Five (VX-5), who has been selected to participate in the 11th Naval District training camp for grapplers which will be held from March 1 through 20 at the Naval Station in San Diego.

AOOA Schultz, who is assigned to duty with the 1st Lieutenant's Division at VX-5, recently won the 114½ lb. weight class during an 11th ND freestyle wrestling tourney.

He returned to San Diego last Saturday to compete in the 11th ND wrestling championships and, even though no other contenders were there in his weight division, he had so impressed LCDr. Gary Sauer, the 11th ND wrestling coach, during his earlier appearance that he was among those chosen for the training camp that will be held to prepare for interservice wrestling competition March 27-31 at Quantico, Va.

AOOA Schultz expects to have to work hard in order to be chosen for the matches in Quantico, since the training camp is a further part of the elimination process. Rugged workouts plus wrestling twice a day are on the schedule from March 1 to 20.

AOOA Schultz carries with him the best wishes of members of his Command and all other China Lakers as well.

## Pony-Colt League baseball sign-ups end tomorrow

Tomorrow is the last day for registration of prospective Senior League / Pony-Colt League baseball players. This covers youths 13 through 18 years of age.

Those interested should bring proof of age in the form of a birth certificate to the Ridgcrest Little League's Kerr-McGee Field between the hours of 9 a.m. and 4 in the afternoon.

Late-comers may register at the time of the March tryouts.

Anyone seeking further information may telephone Pony League player agent Dan VanderWerf at NWC ext. 3445.



Photos by Ron Allen

**FIRSTHAND LOOK AT CENTER PROJECTS** — During the visit of Admiral Robert L. J. Long, USN, Vice Chief of Naval Operations, he was briefed on various Center projects in addition to being taken on a helicopter tour of the Randsburg Wash area for an overview of the test and evaluation capabilities found there. Shown in the upper left photo, Werner G. Hueber, head of the Laser / Infrared Systems Division of the Systems Development Department, describes the unique capabilities of the laser guided bomb to Admiral Long while F. H. Knemeyer, head of the Weapons Planning Group (acting), looks on. In the center photograph (top row), Ralph E. Bernard of the Systems Applications Office in the Ordnance Systems Department discusses the successful recent completion of the demonstration program of SMARTROC, a surfaced launched laser guided bomb, with Admiral Long and Robert M. Hillyer, NWC Technical Director. In the photo at upper right, David N. Livingston, associate head of the Weapons Department, refers to the Walleye weapon which is shown while describing the development capabilities of the Center. Listening in the background is Rear Admiral William L. Harris, NWC Commander. In the lower left photo Capt. James E. Service (partly hidden), aide to Admiral Long, looks at one of the Sidewinder family of weapons which had been placed on the Carco table while RADM. Harris, Admiral Long, and Hillyer watch. In the center picture (lower row), Mark F. Stenger, AIM-9L Product Improvement Program Technical Manager, shows Admiral Long changes being made in the AIM-9L. Hillyer and Admiral Long (lower right photo) examine the guidance and control section of the AIM-7F Sparrow with Loyd C. Moore (back to camera), head of the Sparrow Program Office in the Weapons Department.

## New smoke weapon undergoing tests at NWC...

(Continued from Page 1)

out for available money were narrowed to NWC and China Lake because at-sea tests would have been prohibitive in cost. In both cases a pond needed to be built for the tests — and because of the drought conditions in California at the time, NWC was selected.

The 400-ft. diameter pond took a week to dig, and took three days to fill. Five pumper trucks were borrowed from the Fire Department at NWC; these pumped 36,800,000 gallons of water into the pond by pumping day and night for three days in order to have the pond ready for the tests.

The final agent selected after testing was a smoke agent developed in the United Kingdom and purchased by the United States Army. It uses red phosphorous rather than the white phosphorous which has been used in previous smoke weapons; this produces a much safer weapon.

The plasticized red phosphorous is not brittle like the white phosphorous, and will not ignite spontaneously with air like its white relative. Red phosphorous requires ignition, and burns in a more controllable manner, producing a less dense cloud but

## Annual SeaBee Ball to be held here March 4

The annual Seabee Ball commemorating the 111th anniversary of the Civil Engineer Corps and the 36th anniversary of the formation of the Seabees will be held in the Community Center on Saturday, March 4.

The evening will begin with a social hour at 6:30, followed by a dinner catered by the Chief Petty Officers' Club at 7:30, and dancing to the music of Joe Jones and his band will round out the evening. Harry Parode, Public Information Officer for the Naval Weapons Center, will serve as the master of ceremonies for the program, at which the selection of the Seabee of the Year will be announced.

Dinner will be served buffet style, with steamboat round of beef, ham, and turkey featured. Tickets are \$10 per person for rank E-7 and above and guests, and \$8 for E-6 and below.

one with considerably longer persistency because the particles, by burning longer, supply more smoke to the original cloud. The safety of the new weapon is improved also by providing inert gas (argon) in the canisters and nitrogen in the dispenser that houses the three canisters, so that if the dispenser is damaged, ignition cannot occur. This produces a double safety factor of having an agent that does not ignite spontaneously on contact with air and having a protective layer of gas in and

surrounding the canisters. As a result, this consideration is expected to make the weapon totally safe for shipboard handling and storage.

Program manager Lloyd Holt, an engineering technician in the Aircraft Armament Integration Branch of the Systems Development Department, states that the weapon is currently undergoing safety and environmental tests by the Environmental Engineering and Inspection Branch of the Range Department.

## Two men singled out as Sailors of Month by NWC

Two enlisted men assigned to duty at the Naval Weapons Center were singled out for special recognition as Sailors of the Month for January.

When all of the nominations were in, the selection committee was unable to choose between the two top candidates and decided to do the unusual — designate two individuals for this honor. They are Aviation Machinist's Mate Airman James Patrick Mortenson and Aviation Maintenance Administration Airman Steven A. Nixon.



ADAN J. P. Mortenson

ADAN Mortenson, a plane captain on the Cold Line in the Line Division, is qualified on the U-3A, U-9D, and the OV-10 aircraft. His exemplary conscientiousness, initiative, devotion to duty, and professional performance are all highly praised by his supervisor, ATC John F. Bozony.

ADAN Mortenson is a native of San Gabriel, Ca., where he was graduated from San Gabriel High School before entering the Navy 19 months ago. He has participated in the NWC intramural sports competition, and contributed to the part played by the Line Division in winning the Admiral's Cup for NWC North.

His current sports interests are racketball and hunting, especially with a shotgun. He also is a member of the NWC Sidewinder Drill Team.

Both ADAN Mortenson and his wife, Brenda, who also is a native of San Gabriel, are attending classes at Cerro Coso Community College.

Duty assignment for AZAN Nixon is the Aircraft Intermediate Maintenance Department Production Control. Lt. L. D. Gorans, his supervisor, notes that "he is a highly motivated and selective type of individual who is respected by his superiors and subordinates alike."

AZAN Nixon, who was born in Chester, Pa., lists Indianapolis Ind., as his home town. He was graduated from Shortridge High School in that city, and attended a

summer session at the University of Indiana before entering the Navy.

His prime hobby is music, says AZAN Nixon. He plays in a band, and also has played for a number of parties around the local area. Much of his spare time, however, has been spent in attending classes at Cerro Coso Community College.

For being selected as Co-Sailors of the Month, both Airman Mortenson and Airman Nixon will receive 96-hour liberty passes and free dinners for two at The Shuttle.



AZAN Steven A. Nixon

## Dr. William Fowler honored by Royal Astronomical Society

A pioneer at the Naval Weapons Center, Dr. William A. Fowler of CalTech, has been awarded the Eddington Medal of the Royal Astronomical Society for his pioneering research in astrophysics. The medal is granted every three years for excellence in theoretical astronomy.

Fowler was awarded the medal for his work dealing with origins of chemical elements, the synthesis of deuterium (the heavy form of hydrogen) and helium at the time of the universe's creation, and the release of gravitational and nuclear energy from massive stars.

A student and friend of Dr. Charles C. Lauritsen, Fowler became involved with Lauritsen in rocketry during World War II. He was one of the team of three men (along with Dr. Ike Bowen and Wesley Herstein) who made the first ground survey in October 1943 of the site selected for the Naval Ordnance Test Station (now the Naval Weapons Center). Fowler's sketches were used for the original design of G-1 and G-2 ranges.

While he never actually moved to NOTS, Fowler's work with rockets and propellants brought him to the local area for weeks at a time throughout the rest of the war years.

## Helicopter mission...

(Continued from Page 1)

County Ambulance Service vehicle rolling, but once off the paved road the ambulance could only travel about two miles into the canyon where Miller lay injured.

Borrowing a motorcycle, Jim Crow, one of the ambulance service medical technicians, traveled the remaining distance carrying what medical supplies he could, while another ambulance attendant radioed a request for a rescue helicopter from NWC.

Other assistance at the accident scene was provided by Albert Lepie of Ridgecrest, who was passing by in a Jeep carrying two passengers — Zoe Norman, a local school teacher, and her brother, Kent Shelhemmer.

Lepie drove back to the Wagon Wheel with a message concerning additional medical supplies needed at the accident scene, while Mrs. Norman and Shelhemmer stayed behind to gather wood for a fire that was used both to help warm the injured man and to serve as a beacon for the Navy helicopter to home in on when landing.



**CONSULTING** — Dr. David Stewart (r.), counselor for the Employee Assistance Program, discusses his plans for the day with Lynn D. Lacey, program advisor, and Carol Corlett, assistant to Lacey. Dr. Stewart is at China Lake each Wednesday afternoon and evening, Thursday all day, and Friday morning to conduct the courses and drop-in seminars sponsored by the EAP, as well as to provide individual counseling for Center employees who are having job performance difficulties. —Photo by Ron Allen

## Help available to those with job performance troubles

Naval Weapons Center civilian and military personnel who are having job performance problems for any personal reason may call on help offered by the Employee Assistance Program (EAP).

Program advisor Lynn Dodson Lacey emphasizes that those whose job performance is being affected adversely by a life or career difficulty, by emotional problems, or by alcohol or substance abuse are equally welcome. Supervisors or co-workers of such employees may also receive help from the EAP, as can others affected by troubled employees.

### Confidentiality Observed

Confidentiality is strictly observed. Those who enroll voluntarily for any of the EAP groups or classes are not required to have a supervisor's signature to register. In the seminars, first names only are used to protect the privacy of the individual attendees.

The EAP currently consists of individual counseling, weekly drop-in sessions, management staff briefings or briefings to interested groups, lunch-time seminars that are open to all interested persons on the fourth Wednesday of each month, volunteer training, and alternatives parties.

Lacey is available to conduct briefings about EAP for any interested groups. He may be contacted by calling NWC, ext. 2574.

### Lunch-time Seminars Held

The lunch-time seminars held on the fourth Wednesday will each deal with a specific topic of interest to employees at large. For instance, the January seminar dealt with stress and methods of stress reduction. The more than 40 attendees rated it as highly useful.

The first group of volunteers who will serve as contacts for the EAP are now completing their training program. They are learning about resources available for troubled employees and their spouses and families.

### Chief Counselor

Chief counselor for the EAP is Dr. David Stewart. Dr. Stewart is a California licensed psychologist with expertise in counseling and teaching as well as being the author of a number of books and articles. He is available in the Training Center on Wednesday afternoons, all day Thursday, and on Friday mornings.

Backup for Dr. Stewart and available for emergencies throughout the week is Ken Burton, a counselor from the Desert Counseling Clinic. His particular expertise is crisis substance abuse counseling.

Currently there are four on-going seminars open to any civilian or military

personnel of the Center without charge.

EAP drop-in seminars are conducted by Dr. Stewart each Thursday from 11:30 a.m. to 12:30 p.m. and from 4:45 to 5:45 p.m. These seminars consist of lectures and discussions of interest to problem drinkers, substance abusers, supervisors of such troubled employees, spouses or families of these employees, and employees who have personal or job performance problems, such as anxiety, depression, lack of motivation or loneliness.

A new group for supervisors and managers has just recently been formed. It meets on Wednesday afternoons from 4:45 to 5:45. Any supervisor who has a troubled employee with job performance problems is welcome to drop in on any of these sessions. Lacey notes that supervisors who take advantage of this group now may find that their difficulties at performance evaluation time will be eased.

A sobriety/freedom training course

meets each Wednesday from 7:30 to 9:30 p.m. in Rm. 103 of the Training Center. It teaches participants the practical art of free, sober living, with the basic aim being to assist employees to be free, to be adventurous, to be responsible, to be productive, to be resourceful. Participants may enroll and begin the program at any time by calling Carol Corlett at NWC ext. 2574 or simply by attending a session. Enrollments are strictly confidential and do not require supervisory approval.

Other groups are being planned which will deal with other specific problems. A "stop smoking" group will begin later this spring, as will a group dealing with obesity problems.

Anyone seeking further information about any of the courses or counseling may call Dr. Stewart at ext. 2480 on Wednesday afternoons, Thursdays throughout the day, or Friday mornings; or may call Lacey at ext. 2574 on any working day.



**DISTINGUISHED VISITOR** — During a two-day period recently, Brigadier General Peter Charlton, of the Canadian Armed Forces, was a visitor to China Lake and received an NWC plaque from Rear Admiral William L. Harris, NWC Commander, as a memento of his visit. Brig. Gen. Charlton, who is Director General of Aerospace Engineering and Maintenance from the National Defense Headquarters in Ottawa, Canada, was briefed on a number of programs and projects. These included anti-armor, anti-structure air-to-ground weapons, as well as penetrators, the advanced bomb family and Gator air-to-ground missiles. Also discussed with the visitor from Canada were gas gun developments at 20 to 25mm. —Photo by Ron Allen

## Cost-of-living annuity increase to go into effect on March 1

The Civil Service Commission has announced that a cost-of-living (COL) annuity increase of 2.4 per cent will become effective on Wednesday, March 1. This increase will be reflected in the April 1 annuity checks.

The amount of this increase was based on a comparison of the Consumer Price Index (CPI) published for June of 1977 and the December 1977 CPI. The 2.4 per cent reflects the annual percentage increase in the CPI for December 1977 versus the June 1977 CPI.

### Most Recent Increase

The most recent COL increase was 4.3 per cent in September 1977. The next annuity increase (after the March 1978 boost) will become effective on Sept. 1, 1978. The amount of that increase will be determined by a comparison of the CPI published for June of 1978 and the CPI published for December of 1977.

If the June 1978 CPI reflects a percentage increase over the December 1977 CPI, then the September 1978 annuity will be raised accordingly. If there is no change in the CPI or a percentage drop, there will be no change in the amounts of annuities.

The law still guarantees that an immediate annuity which starts after the ef-

fective date of a COL increase shall be no less than it would have been had it started on the day before the effective date of that increase and that increase had been added to the annuity. Thus, for employees who retire no later than Tuesday, Feb. 28, the following comparisons will be made between:

(1) The amount of earned annuity through the date of retirement, plus the 2.4 per cent increase effective on March 1, 1978, and

(2) The annuity based on service and high-three average pay through 1977, plus the 4.3 per cent COL increase of Sept. 1, 1977, and the 2.4 per cent COL increase which becomes effective on March 1, 1978.

### Highest Amount Granted

The annuity will automatically become the higher of the above comparisons. For the purpose of the above comparison, employees will be assumed to have met the age and service requirements for retirement on Aug. 31, 1977, even if they were not actually eligible to retire at that time.

For employees who retire on or after March 1, 1978, and before Sept. 1, 1978, their earned annuity as of the effective date of their retirement will be compared with the annuity based on their service and average high-three pay that existed on Feb. 28, 1978, plus the 2.4 per cent increase of March 1, 1978. Their annuity will automatically be the larger amount.

Employees who are interested in obtaining further information about retirement should contact the Personnel Management Advisor for their department to arrange for retirement counseling.

## Naval colleges seek civilian candidates for 1978-79 semester

Naval Weapons Center employees interested in attending the College of Naval Warfare or the College of Naval Command and Staff for training that will begin Aug. 14, 1978, and continue through June 28, 1979, have until March 1 to submit applications to Code 094.

Four quotas in the College of Naval Warfare and two in the College of Naval Command and Staff have been reserved for civilians from the Office of Navy Laboratories.

Candidates for the College of Naval Warfare should be in grades GS-13 to GS-15 and have 14 to 23 year's service. Candidates for the College of Naval Command and Staff should be in grades GS-11 to GS-13 and have 7 to 12 years of service.

All candidates must possess at least a bachelor's degree and have exceptional potential for advancement.

Information on course content and nomination procedures can be obtained by calling Stella Payne at NWC ext. 2648.

## Applications due by March 1 for NWC long term training

Applications will be accepted from now until the closing date of March 1 from employees who are interested in NWC long term training programs commencing with the summer 1978 or the fall term of the 1978-79 academic year.

The Center's Long-Term Training Committee will consider applications in any area of study that relates directly to Naval Weapons Center program requirements and has been approved by department management.

All applications should be submitted to Code 094 by the deadline date mentioned above.

Application details can be found in Naval Weapons Center Instruction 12410.5H dated Dec. 23, 1975. Additional information or assistance can be obtained by calling Terry Mitchell at NWC ext. 2648.



**CONGRATULATIONS IN ORDER** — Rear Admiral William L. Harris (r.), Center Commander, congratulates Lcdr. Richard F. Nielsen, Communications Officer, on his promotion to that rank. Smiling in happy acknowledgement is Diane Nielsen, wife of the newly promoted officer. Lcdr. Nielsen has been at the Center for four years, coming here from the USS Juneau, which was homeported in Long Beach at that time. —Photo by Ron Allen

## Donations sought for rummage sale to aid IWV Spay, Neuter Program

The Indian Wells Valley Spay and Neuter Program is now seeking donations for a rummage sale to be held on Saturday, March 4, in the old Kern County Building at 230 W. Ridgecrest Blvd.

During the past year, the Spay and Neuter Program has provided rebates to the owners of 841 animals who have elected to have their pets spayed or neutered. Had this not been done, the pet population in the Indian Wells Valley could well have reached an additional 3,702 puppies and kittens in the next year.

The rebates to pet owners cover half the cost of having pets spayed or neutered. The rummage sale is planned as a means of raising money to increase the funds available for continuing rebates to pet owners who participate in this program.

Tax deductible donations of reusable, resaleable items for the rummage sale can left with any of the following: Mr. and Mrs. Dwyllan Gardner, 1227 Wayne St., Ridgecrest, phone 446-4242; Mr. and Mrs. Cyrus Roton, 105 Coral Sea Circle, China Lake, phone 446-6728; Mr. and Mrs. Calvin Fallgatter, 32 Saguaro in the Sierra Breeze Mobile Home Estates near Inyokern, phone 377-4732.

Receipts for tax deduction purposes are available and will be verified at any of the above three drop-off points.

Pet overpopulation and the resulting indiscriminate giving away or abandonment of puppies and kittens has become a serious problem in the China Lake/Ridgecrest community. The City of Ridgecrest has recognized the need to support the reduction of pet overpopulation and donated \$4,000 from its general fund to the IWV Spay and Neuter Program during the past year.

## Fund-raising dinner for TV translator draws sellout crowd

A more-than-sellout crowd of nearly 580 local area residents enjoyed the Oriental dinner and entertainment last Friday evening at Joshua Hall on the Desert Empire Fairgrounds.

The dinner, which had been sponsored jointly by the Indian Wells Valley TV Boosters, Inc., Cerro Coso Community College, and the local Oriental community, was a fund-raising event to provide money for the purchase of a TV translator so that Los Angeles channel 22 programs can be received locally. Channel 22 features both Oriental cultural programs and in-depth business and investment reports.

Final financial reports still await paying all of the bills for the food that was served, but it is estimated that the proceeds will cover nearly one fourth of the amount needed for a new translator.

According to Mert Davis, chief animal control officer, rebates which reduced the cost of spaying or neutering were issued to pet owners for 841 animals during the period from September 1976 through December 1977 and have almost reached figure of 1,000 rebates to date. This amounts to a total expenditure of \$13,450.75 at an average of \$15.99 per rebate.

This sum includes a contribution totalling \$7,000 from the City of Ridgecrest for the period from September 1976 through December 1977, as well as an additional \$6,450.75 obtained from the Spay and Neuter Program's various fund-raising activities during the past year.

"Your donations and support of the upcoming rummage sale will assure the continued availability of rebates to pet owners who otherwise may not be able to participate in a spay and neuter program for their animals," says Mrs. Pat Gay, who can be contacted for further information by calling 446-2484.

## Coast Guard Auxiliary slates class in sailing

A public education course in sailing will be offered by local Flotilla 76 of the U.S. Coast Guard Auxiliary starting at 7 p.m. on Wednesday, March 1.

The course, a series of seven 2-hour sessions, will be held in the Coast Guard Auxiliary Hut, 355 McIntire St., and the instructor will be Ruel Cameron, a management analyst in the Office of Finance and Management.

Cameron is the owner of a 36 ft. Columbia class sloop that he entered last June in the Transpacific Yacht Race from San Francisco to Honolulu.



**HAPPY ARRIVAL** — Capt. L. E. Giuliani, commanding officer of Air Test and Evaluation Squadron 5 (I.), joins Mrs. Susan L. Peasley in pinning the gold leaf emblematic of the rank of a Marine Corps major onto Richard E. Peasley. Major Peasley reported aboard on Jan. 30 from HMX-1 Quantico, Va. with the rank of captain. The promotion ceremony occurred the next day. —Photo by PH-1 R. L. Ziesler

## College receives grant to develop solar energy technicians' program

A year-long effort to obtain funding from the National Science Foundation to develop a solar energy technicians' program at Cerro Coso Community College has gained approval, Dr. Richard S. Meyers, president, announced recently.

Since March 1977, Dr. Richard A. Dodge, dean of instruction at Cerro Coso, has been working on the project in conjunction with Navarro College in Corsicana, Tex., the Dallas (Texas) Community College District and Brevard College in Cocoa, Fla.

Now that funding for the first of three phases of the project has been approved, Cerro Coso College is rapidly moving ahead to develop the part of the program which it has been assigned, according to Dr. Dodge.

### Project Coordinator

Dr. Rick Roberts, a physicist in the Electro-Optics Division of the Weapons Department at NWC, has been named coordinator of the project. Dr. Roberts, who has a Ph.D. in physics which he earned at the University of California at Santa Barbara, has long been interested in the development of solar energy systems for industrial and domestic use.

This past December, Dr. Roberts conducted a seminar in solar energy at Cerro Coso College and this semester is teaching a new course on Home Solar Systems and Energy Conservation (Solar Energy Technology 69).

The total program, with the four colleges cooperating, will include development of a two-year teaching curriculum for solar energy technicians, testing of the curriculum in the classroom, then packaging of the total curriculum for use at other colleges throughout the nation.

A grant of \$25,000 to \$30,000 has been authorized to complete phase No. 1 of the Cerro Coso College part of the project.

During this phase, which is starting now, Cerro Coso will write a part of the curriculum relative to standards of design, storage systems for solar energy, sizing design of solar energy systems and consumer and legal aspects of solar energy.

The local institution also will develop specifications for laboratory facilities, course outlines and student workbooks to be used in teaching solar energy.

At present, Dr. Roberts is identifying full and part-time faculty members to work on the course development.

Phase II, which will be funded in the future, will entail a pilot use of the courses in the classroom of the three cooperating colleges.

During phase III, the program will be evaluated, packaged and circulated to other institutions.

### Installations Costly

"We recognize that as of today, cost effectiveness of solar installations does not make it as feasible as it will be in future years," said Dr. Dodge. "Solar energy applications have been around for 50 years, but cost of equipment has prevented its widespread application."

Solar energy experts believe its use will grow more rapidly in industry than in the domestic field, because of economics. Industry can amortize the cost of solar energy installations better than the average family interested in its use for the home.

"Cerro Coso College is extremely pleased to be one of the four community colleges selected to participate in the development of a solar energy technicians program which will train persons who will be required to install and service the equipment of this evolving industry," Dr. Meyers said.

## Happenings around NWC

Applications will be taken from now through April 30 for a \$1,000 scholarship that will be awarded by the Military Officers Wives Club.

High school seniors who are the dependents of either active duty or retired military personnel are eligible to apply for the scholarship grant, which may be used for pursuing higher education at a college or university, or to help finance vocational training.

Scholarship application forms may be obtained from Mrs. Jean Davis, senior advisor and career counselor at Burroughs High School. Mrs. Davis can be contacted after working hours at 604 Lexington Ave., China Lake, ph. 446-2288.

### Military Ball at CPO Club

The annual Chief Petty Officers' Club's Military Ball will feature the popular 5-piece ballroom dance ensemble from

Hollywood, "Summer Breeze," tomorrow evening beginning at 6. The ball promises to be a gala affair for everyone attending.

Honored guests will be RADM. William L. Harris, NWC Commander, and his wife, Jean; Capt. F. H. M. Kinley, NWC Vice Commander, and his wife, Priscilla; and Capt. Leonard E. Giuliani, Commanding Officer of VX-5, and his wife, Joan.

The few remaining tickets are priced at \$10 per person and may be purchased from 7:30 a.m. to 4:30 p.m. at the CPO Club.

### Art League To Meet

An oil painting demonstration using a still-life subject will be presented at the next meeting of the Desert Art League on Monday, starting at 7:30 p.m., at the Community Center.

The guest artist will be Kaffy Reinhardt, of Arcadia, who also will be here this weekend to present a workshop for the benefit of Desert Art League members.

Ms. Reinhardt is well-known in southern California as a juror of art shows, an art demonstrator, and teacher of art.

### VX-5 Personnel Advanced

Eleven enlisted personnel assigned to duty with Air Test and Evaluation Squadron Five (VX-5) were advanced in rate during the month of February. Personnel advanced — and their new rates — are: YNSA Royce P. Fortin, AQC Richard E. Gomez, AMHC Charles L. Wilkerson, AO2 James T. Powell, ADAN Albert D. Lopez, YNSN Patrick S. McKenna, AN Tony McCray, AOAN Raymond M. Noriega, AMHAN Nancy E. Sharp, AMSAN David W. Stein, and AOAN Marvin W. Wilks.

### Dance Slated at Shuttle

The "Shadow Fox," a five-piece local rock band, will play for the dancing and listening pleasure of patrons at the Shuttle tonight from 9 until 1:30 a.m. A seafood platter dinner will be served from 6 to 9 p.m.

Saturday, March 4, will be Ladies' Night at the Shuttle from 6 to 11 p.m.