

## Officers for '79-80 elected at meeting of IWV Concert Ass'n

The Indian Wells Valley Concert Association completed the selection of its officers for the 1979-80 season and filled a vacancy on the board during a recent meeting.

New members of the board, elected by the general membership, include Gene Younkin, Elizabeth "Billie" Hise, and LouAva Seybold. Re-elected for another two-year term were Carl Helmick, Anna Marie Bergens and Carl Morley. Those whose term of office continued automatically for another year are Alan Paulsen, Mary Lee Thomas, Williams Webster and Jean Harris.

Three members of the board retired this year in May. They were Jeanne Backman, Lt. Eric Nye and Glenda Yu.

Following the general election, Mrs. Harris submitted her resignation because, at the conclusion of her husband's military service, she and her family would be moving from the area. Beaujourn Shull was appointed to complete the remaining year of Mrs. Harris' term.

Concert Association officers elected for 1979-80 are Helmick as president, Younkin as vice-president, Morley as secretary, and Ms. Bergens as treasurer. In addition, Paulsen will act as stage manager, Webster as usher coordinator, Ms. Shull as contributions chairman, and Ms. Seybold as educational coordinator.

Also appointed by the board to assist with operations of the Concert Association were Carroll Evans and Karl Kraeule, who will continue to serve as ticket manager and assistant ticket manager, respectively; and Shirley Helmick and Bert Burroughs, who will serve as sales coordinators.

Plans are underway for a new member sales campaign which will begin in August and go into full swing in September. During July, efforts are being concentrated on completion of season ticket renewals and the changing of reserved seat assignments desired by continuing members.

All members of the concert board and staff volunteer their time without pay as a service to the community.



### Commissioned Officers' Mess

A gala Polynesian luau, one of the highlights of the year at the Commissioned Officers' Mess, will be held next Friday, July 27.

Reservations are a must for this event, and tickets, priced at \$12.50 per person, can be ordered by calling the COM no later than Tuesday.

A social hour will precede a luau buffet that will be served from 7 to 9 p.m. On the menu will be Kailua roast suckling pig, Maui coconut chicken, teriyaki beef, and fish baked in coconut milk. In addition, there will be a salad bar, a variety of vegetables and desserts.

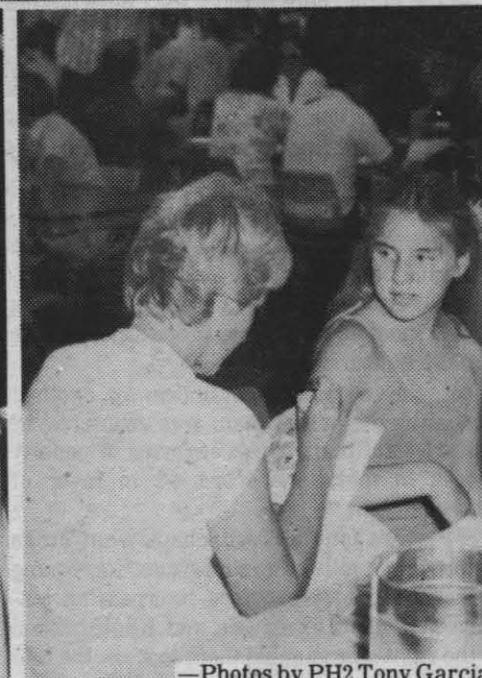
Music and dancing will be continuous from 8 p.m. to 1 a.m. Feature attraction of the evening — a floor show by the Leihialani Polynesian Review — is scheduled at 10 o'clock. Among the performers will be six hula girls.

COM members and guests are urged to get into the spirit of the occasion by dressing appropriately for an outdoor luau.

### CPO Club

"Appaloosa," a country and western band from the Los Angeles area, will play tonight and tomorrow night for the listening and dancing pleasure of patrons at the Chief Petty Officers' Club.

"Appaloosa" will be performing from 9 to 1 a.m. following a prime rib dinner served from 6 to 9 o'clock on Friday, and a steak and king crab dinner served from 6 to 8:30 on Saturday evening.



**ICE CREAM SOCIAL** — Part of the 1,000 people who attended the ice cream social enjoy a warm summer evening on the lawn in the shade of the Naval Weapons Center's All Faith Chapel (top photo). The event, an annual affair, was held on Tuesday evening. In the picture at the left, Sandy Stephens serves a slice of apple pie to Barbara Stevenson, while at the right Jennifer Gould ap-

plies a washable tattoo to the arm of Tammy Black. The festivities at the chapel also included the music of Ken Robinson and his Dixieland band and games for the children. Proceeds from the ice cream social, which was sponsored by the Protestant Women of the Chapel (PWOC), will be used to support PWOC mission projects in this country and abroad.

—Photos by PH2 Tony Garcia

## Curtain goes up Wednesday for 'Night Must Fall'

The curtain will go up next Wednesday night, July 25, on the Young China Lake Players' (YCLP) production of "Night Must Fall," a mystery thriller by Emyln Williams.

Show time is 8:15 on opening night, and

there will be repeat performances at the same time on July 26, 27 and 28 at the Players' Hut, 405 McIntire St., China Lake.

This is the third summer the China Lake Players (CLP) have turned over the production of a play to younger members of high school and college age. In this way, YCLP members become familiar with all aspects of preparing a play for the public.

"Night Must Fall" is a popular little theatre production which has an English setting. It tells the story of a young psychopath who infiltrates the Bramson cottage, planning to kill again.

Robert Coleman will be seen as Dan, who carries a very mysterious hat box with him, while Olivia, the young woman who is fascinated with Dan in spite of what she knows about him, will be played by Wave Seybold.

Kathleen Coleman will be seen as Mrs. Bramson, the owner of the cottage where the action takes place. Shawn Dugan, a senior at Burroughs next year and an active member of the Kubik Kids, has the role of Hubert Laurie, Olivia's suitor.

Deborah Reid, who appeared in last year's YCLP production of "Blithe Spirit," will be seen as Mrs. Terence, the cockney domestic, and Inspector Belsize, a member of Scotland Yard, will be played by Clay Babcock.

Others in the cast are Karyn Dorrell, the maid, and Maureen Williamson, as Mrs. Bramson's nurse.

Bob Schwarzbach is this year's director. Well known for his onstage appearances, he was most recently seen as Henry Higgins in "My Fair Lady." He was one of the originators of the Young China Lake Players and was seen in their productions of "Junie Moon," and "Blithe Spirit."

Greg Ferguson is the assistant director, Gunnar Anderson is in charge of sound and lights, and Lisa Duckworth and Sue Taylor are responsible for properties and set dressing.

Tickets, priced at \$2.50 for adults and \$1.50 for students, senior citizens, and enlisted

military personnel, can be purchased in advance from members of the cast, and also will be on sale at the door prior to each performance.

Special event passes will be available at the NWC main gate for those who need them to attend the performances of "Night Must Fall."

## Calendar

July 20 — Project Voyager, National Space Week lecture and dinner, Commissioned Officers' Mess, 7 p.m.

July 20-21 — Burroughs High School Summer Drama, "Theatre Times Three," Burroughs High School lecture center, 8 p.m.

July 21 — Dinner meeting of Full Gospel Businessmen, Commissioned Officers' Mess, 6:30 p.m.

July 25 — Military officers' Hall and Farewell Party, Commissioned Officers' Mess, 5 p.m.

July 25-28 — Young China Lake Players' production of "Night Must Fall," CL Players' Hut, 405 McIntire St., China Lake, 8:15 p.m.

July 26 — Burroughs High School Variety Show, Burroughs High School lecture center, 8 p.m.

July 27 — Annual Polynesian Luau, Commissioned Officers' Mess, 7 p.m.

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## Civil Service Reform Act demonstration project proposed

Word has been received by the Naval Weapons Center and the Naval Ocean Systems Center (NOSC) of tentative acceptance by the Office of Personnel Management (OPM) of a joint Civil Service Reform Act (CSRA) demonstration project, proposed by these two installations.

Scientists and engineers, the first NWC employee group to be affected by this project, will be briefed on specific details later this month by Bob Hillyer, NWC Technical Director. In addition, OPM will notify each affected employee and will hold public hearings in conjunction with Congressional notification on the project.

This project is an outgrowth of the CSRA, signed into law on Oct. 13, 1978, which made many sweeping changes to existing Civil Service laws and regulations. One of the major goals of the legislation was to

delegate greater authority, responsibility, and accountability to line managers and supervisors in the management of personnel resources.

Included in the CSRA was a provision for demonstration projects to be conducted under the supervision of OPM (formerly the Civil Service Commission) to determine whether the specified changes in Federal personnel management policies or procedures would result in improved Federal personnel management. Certain existing laws, rules, and regulations will be waived under such projects. A maximum of 10 projects will be conducted, and each will be limited to a 5-year duration and a maximum of 5,000 affected employees.

### Opportunity Perceived

Hillyer recognized the opportunity available to show that the elimination of

some constraints in the management of Center personnel resources could result in greater effectiveness and efficiency.

The Technical Director's prime interest was in giving greater authority, responsibility, and accountability to line managers and supervisors. Consequently an NWC task team was appointed under the leadership of Dr. Ed Alden of the Management Division of the Office of Finance and Management in early January 1979 to develop a proposal. Included on the task team were Jerry Reed, associate head of the Range Department, and Steve Sanders, acting head of the Personnel Department.

At about the same time, management at NOSC, San Diego, began to develop a similar project. The two Centers decided to merge their efforts, since both could participate while staying within the 5,000-

employee limitation.

In early April, a joint NWC and NOSC demonstration project proposal was forwarded to the Department of the Navy Command structure. The proposal was reviewed and forwarded in early June by the Assistant Secretary of the Navy to OPM as the only demonstration project recommended from within the Department of Defense.

OPM has now reviewed the proposal (one of five submitted) and has tentatively accepted it, subject to additional clarification of implementation and evaluation measures to be taken.

### Project Goals Set

The proposed NOSC/NWC demonstration project is planned to accomplish a more effective and equitable distribution of

(Continued on Page 7)



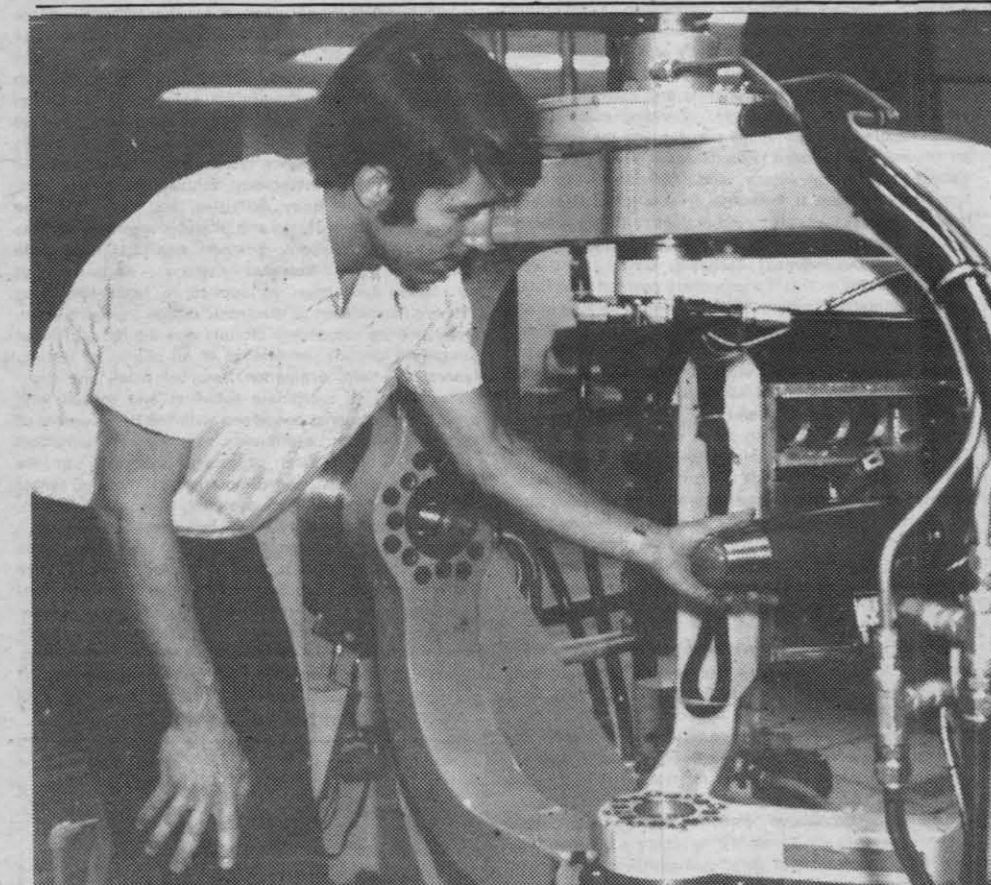
Naval Weapons Center  
China Lake  
California

July 20, 1979

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**RECEIVES TECHNICAL DIRECTOR AWARD** — Latest recipient of the NWC Technical Director's Award is Thomas J. LaJeunesse, who is shown here preparing a Sidewinder missile seeker head for a test using the Carco Flight Table. This piece of laboratory equipment is used to simulate the yaw, pitch and roll motion of a missile during flight.

—Photo by PH2 Tony Garcia

## Contract awarded for construction of Range Control Center building

The beginning of what will be a major step forward in a plan to modernize the Naval Weapons Center's air/ground ranges was taken earlier this month by the awarding of a contract for the construction of a Range Control Center (RCC) building.

The Range Modernization and Range Control Center Programs are under the direction of the Test and Evaluation Directorate, and the overall program management is provided by the Range Department.

The contract for this 32,000 sq. ft., single-story, concrete block building was awarded by the Western Division of the Naval Facilities Engineering Command in San Bruno, Calif., to the J. R. Youngdale Construction Co., of San Diego, the same firm which built the Lauritsen Laser Lab.

Total amount of the construction contract is \$3,229,500. The work, which is scheduled to begin around the end of this month, is slated for completion in November 1980. The technical coordination of the facility construction design was performed by the

Public Works Department.

The RCC will be located east of Armitage Airfield at the intersection of Water Road and the range access road to Charlie Range. The RCC, which ultimately will house approximately 100 employees plus a vast amount of complex equipment, will make it possible to consolidate operational control of the NWC's northern ranges (Baker, Charlie, George, Airport Lake, and Coso) into a single activity.

The principal functions of the RCC will be the operation, monitoring, and control of test ranges and instrumentation on all northern ranges, plus selected ranges in Randsburg Wash and Mojave B areas. This includes the monitoring and control of test aircraft (including drone targets), data collection and reduction, the surveillance of restricted airspace and the scheduling of range resources.

During the latter stages of construction of the RCC, bids will be sought for the development and installation of the Control

(Continued on Page 4)

## Technical Director Award goes to LaJeunesse for developing missile simulation capability

Thomas J. LaJeunesse, an aerospace engineer in the Weapons Department's Infrared Anti-Air Branch (Code 3912), received the Technical Director's Award in recognition of outstanding technical accomplishment during the Commander's meeting held Monday morning in the Management Center of Michelson Laboratory.

The award was presented by Bob Hillyer, NWC Technical Director, who congratulated LaJeunesse for his efforts in the development of the Sidewinder missile hybrid simulation capability used in both the AIM-9L and AIM-9M programs.

### Basis for Award

In the letter of commendation which accompanied the Technical Director Award, it was noted that the recipient's experience in working with and understanding of Sidewinder systems, complemented by his outstanding technical skills, resulted in the resolution of many system problems and the prediction of flight performance in the simulation laboratory.

This resulted in considerable monetary savings when the time came for conducting flight tests of the missiles.

In addition to the letter of commendation, LaJeunesse also received an engraved paperweight and a \$200 stipend which accompanies this special form of a Superior Achievement Award.

### Advantages Cited

In recommending LaJeunesse for the Technical Director Award, W. B. Porter, head of the Weapons Department, pointed out that "this complex six degree-of-freedom simulation combines the best features of both digital and analog computers — providing faster than real time computing capability."

"This," it was added, "has allowed for timely and economic launch envelope generation and Monte Carlo analysis techniques along with a hardware in the loop simulation capability."

As a key member of the AIM-9L and AIM-9M development teams, LaJeunesse has provided numerous design inputs, conducted extensive system parameter optimization studies, and established total system performance information for the past several years.

According to Porter, there has been "phenomenal success" in the firing program of the AIM-9M, and many individuals are responsible for this success.

"A recognized essential key," the head of Code 39 wrote, "has been the exhaustive pre-flight analysis and flight table hardware checkout conducted by LaJeunesse, whose outstanding technical skills enabled him to resolve many systems problems in the laboratory and to precisely predict flight performance before engaging in a costly flight test."

The latest recipient of the NWC Technical Director's Award began working here in 1970, following his graduation from the University of Arizona with a BS degree in aerospace engineering. After a year-long Junior Professional tour, LaJeunesse began Sidewinder missile simulation work in 1971 as an employee in the old Systems Development Department.

He also enrolled in the University of Southern California's graduate program in science and engineering. In addition to courses that he was able to take on Center, (Continued on Page 3)

## NWC Commander sees need for anti-litter drive

A call for Centerites to assume more responsibility for the appearance of the various places where they work, live and play at China Lake was issued at last Monday morning's Commander's meeting by Capt. William B. Haff, Center Commander.

During the weekly gathering of NWC department heads and other senior officials of the Center, Capt. Haff expressed concern about the unsightly accumulations of litter and trash that he has observed.

He is interested, he said, in instituting a "Take Pride" campaign at China Lake, and requested the cooperation of all hands in making full use of trash receptacles and litter bags as a means of ridding the Center of numerous eyesores where paper wrappings, cigaret butts, bottles and soda pop cans have been allowed to accumulate.

The Center Commander also mentioned his intent to seek the cooperation of the City of Ridgecrest in a general anti-litter campaign of benefit to the entire China Lake-Ridgecrest community.





**MARINE PROMOTED** — Marine Corps Liaison Officer Col. L. A. Madera congratulates Gunnery Sgt. Paul J. Proctor on his recent promotion to master sergeant (E-9). MSgt. Proctor, an 18-year veteran of service in the Marine Corps, has served at China Lake for the past 33 months. He is assigned to the Fleet Requirements Branch of the Engineering Department, where he works on Shrike missile projects and the Marine Corps Sidewinder maintenance van.

## Turning off headlights too soon near main gate nearly causes accident

A motorist who prematurely turned out the headlights on his vehicle when approaching the Naval Weapons Center's main gate after dark was nearly the cause of an accident, it was reported recently by the NWC Safety and Security Department.

There is a sign posted just west of the main gate guard shack to remind motorists to turn off their vehicle lights in order to make it possible for the guard on duty to see both the car sticker and the driver's NWC pass.

However, when a driver approaching the main gate from the west on Inyokern Rd. turns off his car lights too soon, it is possible that his vehicle may not be seen by another motorist turning into the main gate entry from off China Lake Blvd.

There also was a recent near miss when a motorist who had stopped to make a left turn onto Inyokern from China Lake Blvd. came close to being involved in an accident when a driver headed east on Inyokern Rd. doused his car's headlights before reaching the intersection of China Lake Blvd. and Inyokern Rd. in preparation for going through the main gate.

There is a proper place for turning out vehicle headlights at night before reaching the NWC main gate, but it isn't west of the intersection of China Lake Blvd. and Inyokern Rd., NWC Safety and Security Department officials point out. In addition, approaching the main gate at a slow rate of speed is also advisable.

## The Rocketeer

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**NAVAL WEAPONS CENTER**  
**CHINA LAKE, CALIFORNIA**

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Tuesday, 11:30 a.m.  
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## 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 and Classification Division, Code 002, 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 096 or 097). Advertising positions in the Promotional Opportunities column will not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

**Electronics Engineer, GS-85-12, PD No. 783183-1E, Code 3541** — This position is located in the Radar Development Branch, Microwave Development Division, Electronic Warfare Department. The branch is responsible for the development of foreign simulator systems (land / sea based) for integration at EW Test Ranges such as Echo at NWC. An incumbent will be assigned responsibility for one (or more) threat system simulators. A typical system simulation usually exceeds \$6 million and takes 2-3 years to develop, integrate and complete. Project responsibility includes authority to determine how the project will be conducted and accountability for the technical aspects, the schedule and costs. Job Relevant Criteria: Demonstrated project management skills on significant efforts; significant technical skills in EW area of engineering to include radar system analysis and development; electronic countermeasures and countermeasures; skill in providing technical leadership to a team of engineers/technicians; skill in area of solicitation of minor / major contracts for technical work to include technical coordination direction of contract work; demonstrated experience in working with higher level management and DoD sponsors.

**Interdisciplinary Position-Supervisory Electronics Engineer/Supervisory Physicist, GS-855/1310-12, Code 3511** — A selection for this position is subject to position classification by NWC-WPD and allocation of a high-grade billet. This position is head, System Simulation Branch, Systems Sciences Division, Electronic Warfare Department. As such, one is responsible for the technical and administrative direction of 8 to 10 scientists / engineers engaged in the analysis and simulation of weapons systems with respect to: Review / surveillance of programs in progress to determine whether they remain conceptually sound; planning / proposing new weapons concepts; evaluating concepts / proposals of others for technical soundness / operational requirement / utility / effectiveness. Job Relevant Criteria: Ability to be effective in supervising scientists / engineers; demonstrated knowledge of techniques of systems analysis; knowledge of ballistics, dynamics, aerodynamics, guidance and control, propulsion, fuzing, and other related areas; ability to incorporate the work of subordinates specializing in these areas into a comprehensive package; proven skill in applying theoretical scientific / engineering knowledge to real-world systems analysis.

**Interdisciplinary Position, Electronics Engineer/Aerospace Engineer/Physicist, GS-855/861/1310-12, PD No. 793922E, Code 3563** — This position is in the Systems Engineering Group, HARM/Standard ARM Technical Management Office, Electronic Warfare Department. An incumbent is the HARM Electronic Warfare (EW) Project Engineer responsible for the integration of the HARM Weapon System and various EW equipment (AN / APR-43, AN / ALR-47, AN / ALQ-76, AN / ALQ-128B, AN / ALR-45F) associated with the A-7, F-18, and A-4. Job Relevant Criteria: Knowledge of various avionics systems design and integration with various aircraft; ability to interface effectively with contractors / government personnel; ability to clearly communicate results of efforts orally and in writing.

**Accounting Technician, GS-525-5, PD No. 7908035, Code 06611** — This position is located in the Ledgers and Cash Control Section of the General Accounting Branch, Accounting and Disbursing Division, Office of Finance and Management. The incumbent maintains the NIF General Ledger, prepares transmittals on special manual system documentation and is responsible for the maintenance of the master control totals for the ADP cash supplement system. Job Relevant Criteria: General knowledge of NIF accounting system; ability to work accurately with figures; ability to work effectively with people.

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**Accounting Technician, GS-525-4, PD No. 7908036, Code 06612** — This position is located in the Customer Billing Section of the General Accounting Branch, Accounting and Disbursing Division, Office of Finance and

Management. The incumbent analyzes charges to determine the necessity for manual adjustments to the ADP ABS system, updates the Fund Control Ledger, verifies and corrects monthly Status of Funds Reports, maintains appropriation accounting records, prepares special reports as required, bills Navy sponsored activities, maintains Special Deposit records. Job Relevant Criteria: General knowledge of NIF and appropriation accounting; ability to work accurately with figures; ability to work effectively with people. Promotion potential to GS-5.

**File applications for the above with Terry George, Bldg. 34, Rm. 206, Ph. 3118.**  
**Supervisory Electronics Engineer, GS-855-12, PD No. 7942055, Code 42311** — This position is that of head, Range Electronic Development Section I of the Range Department. The incumbent is responsible for supervision of long range planning and subsequent evaluation of systems needed in support of range electronic instrumentation. Also responsible for short term design and development of equipment / instrumentation systems in support of range electronic needs for Naval Weapons Center ranges. Promotion potential to GS-13, contingent on high grade billet and classification. Job Relevant Criteria: Ability to supervise; knowledge of range instrumentation systems; extensive development experience on RF electronic systems.

**Computer Technician, GS-335-4, PD No. 7999021, Code 0903** — This position is located in the Personnel Automated Data Systems Group, Personnel Department. The incumbent provides technical support to a computer specialist and a computer programmer. Duties include reviewing / verification of accuracy of GS-52 and other input documents; coding and keypunching to generate computer 50s and PADS; updating and maintaining accuracy of personnel data base; providing manual personnel reports and submitting programs to the computer for recurring automated reports. Job Relevant Criteria: Knowledge of computers and computer systems; knowledge of Federal Personnel Regulations (especially in area of processing personnel actions); ability to work under pressure of deadlines. Promotion potential to GS-7.

**Employee Development Assistant, GS-201-7, PD No. 7909020, Code 094** — This is a temporary position to be filled for approximately 9 months. The position is located in the Personnel and Organization Development Division, Personnel Department. The incumbent will administer employee orientation programs, assist in developing and administering the Clerical, Trades, General Skills and EEO training programs, and provide information and counseling to employees in those areas. Job Relevant Criteria: Ability to communicate (orally and in writing); ability to analyze information; ability to plan, organize and evaluate programs; ability to set priorities and use time efficiently; ability to establish rapport and credibility with Center personnel; knowledge of the training function and its relationship with other personnel functions.

**File applications for the above with Bonnie Owens, Bldg. 34, Rm. 206, Ph. 2377.**

**Firefighter, GS-081-5, PD No. 7924041N, Code 242** — This position is located in the Fire Division of the Safety and Security Department. Major duties include driving and operating structural pumps and any type crash fire trucks, responding on ambulance calls as either driver or attendant, inspection of Center's building and property, and conducting training classes for trainee firefighters. Job Relevant Criteria: Knowledge of locations / streets, water distribution, alarm / detection systems, buildings, contents / layout, etc.; ability to operate firefighting apparatus and equipment structural pumps, crash fire driving ability (proper use of gears, clutch and brakes); demonstrated safe, smooth and effective operation of vehicle; knowledge of fire prevention practices with regard to building inspections and ability to identify fire

**Deputy U.S. Marshal**  
**Deputy U.S. Marshal, GS-802-5/7** — The U.S. Marshal's Office has vacancies for Deputy U.S. Marshal. Deputy U.S. Marshals perform a wide range of law enforcement duties including serving a variety of civil writs and criminal warrants issued by Federal courts; seizing and disposing of property under court orders; safeguarding and transporting prisoners; providing for the physical security of jurors and key Government witnesses and their families; preventing civil disturbances or restoring order in riot and mob violence situations; and performing other special law enforcement duties as directed by court order or by the Department of Justice. Deputy U.S. Marshals are required to carry firearms and be proficient in their use; to operate motor vehicles, and to work irregular hours as necessary. Performance of these duties may involve personal risk, exposure to severe weather conditions, considerable surface and air travel, and arduous physical exertion. Experience requirements are three years of qualifying volunteer or paid experience which demonstrates ability to perform, as a Deputy U.S. Marshal. The following are examples of qualifying experience: law enforcement; correctional supervision and treatment of criminal offenders in a correctional institution; classroom teaching and instructing; sales work (other than over the counter sales); other experience that has demonstrated the ability to take sound and wise decisions, as either military or civilian supervisors or leadership responsibility. Education may be substituted for experience. In addition to meeting experience and/or education requirements, applicants must pass a written test. Applicants will be notified as to the time and place of the written test. For more information, interested persons should contact Iris Hattersley, U.S. Marshal's Office, 312 N. Spring St., Room 6-23, Los Angeles, CA 90012, (213) 688-2497. Applicants wishing to take the written test may sign up by completing Form 500 A/B, obtainable from the NWC Personnel Department receptionist, Code 092.

hazards; knowledge of reference sources, firefighting knowledge (knowledge of fire, origin and techniques of extinguishing fires); ability to accept responsibility and carry out assignments with minimal supervision. This announcement will be used to establish the promotion register for Firefighter, GS-081-5B, which will remain in effect until February 1980.

**File applications for the above with Nancy Saxton, Bldg. 34, Rm. 206, Ph. 3118.**  
**Supervisory Supply Technician, GS-2005-7, PD No. 7725024N, Code 2572** — Applications will be accepted from status eligibles. This position is located in the Customer Service Branch, Control Division, Supply Department. Incumbent functions as branch head and acts as the contact point for the Supply Department on supply support matters. Duties include telephoning support activities to obtain logistic support or supply status; planning and scheduling a variable workload of obtaining the approvals required to procure materials, and supervisory duties including training, performance appraisal and other personnel matters concerning subordinates. Job Relevant Criteria: Knowledge of the government logistic systems and the Supply Department; supervisory ability to use tact in dealing with both on and off Center personnel; ability to work under pressure.

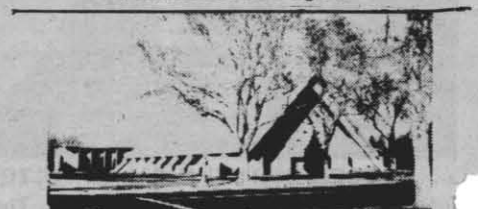
**Electronics Engineer, GS-855-12/13, PD No. 7932065E, Code 33302** — This position is located in the Phoenix Missile Ordnance Components Technical Office, Code 33302, Fuzes Systems Division, Fuzes and Sensors Department. This office is responsible for direction of all Phoenix Missile Ordnance activities assigned to the Naval Weapons Center. This is a senior engineer position. Incumbent initiates and participates in studies of advance systems and improvements to the Phoenix Ordnance Systems which are being investigated under Phoenix Fuzes Development Programs. The analyses are of the fuzes / target intercept parameters and directed toward the objective of optimum fuzes for each type of warhead when operating in its intended tactical environment. The incumbent directs and conducts analytical studies in the area of burst control, determining from considerations of the threat and kinematics of fuzes / target intercepts the quantities and the accuracies which must be measured to allow the computation of an optimum burst for each intercept. The incumbent also conducts and directs analysis studies to define the necessary radar characteristics of the fuzes sensor system for establishing detection and false alarm requirements, clutter performance, and electronic counter-countermeasures performance. In conducting these studies, he determines the adequacy of the design and recommends changes when it appears necessary. He is responsible for assuring all required analysis activities for the complete ordnance system are accomplished. He coordinates with development contractors, missile contractors, outside Navy activities, and represents the Center in systems design and analysis meetings such as the Phoenix Weapons System Analysis, Coordinate Committee. Job Relevant Criteria: Knowledge of microwave techniques as applied to target detecting systems; knowledge of electronic design involving solid-state discrete component circuits and digital and linear integrated circuits; knowledge of all phases of testing: laboratory, field, evaluation, environmental, and flight tests; ability to coordinate activities and consult with other DoD personnel concerned with the development of related projects; proficiency in the mathematical description of physical processes, especially in the analysis, synthesis, and simulation of modern target detection and surveillance systems. Note: GS-13 dependent on classification by WPD, San Diego.

**Electronics Technician, GS-854-12, PD No. 7932044, Code 3334** — This position is located in the Phoenix Fuzes Systems Branch, Fuzes Systems Division, Fuzes and Sensors Department. The incumbent will be project engineer for assigned TDD systems and is responsible for program planning, implementation of project effort and assignment of work to other personnel. Duties involve direction of team effort on project work including design changes and

**File applications for the above with Bonnie Owens, Bldg. 34, Rm. 206, Ph. 2377.**  
**Firefighter, GS-081-5, PD No. 7924041N, Code 242** — This position is located in the Fire Division of the Safety and Security Department. Major duties include driving and operating structural pumps and any type crash fire trucks, responding on ambulance calls as either driver or attendant, inspection of Center's building and property, and conducting training classes for trainee firefighters. Job Relevant Criteria: Knowledge of locations / streets, water distribution, alarm / detection systems, buildings, contents / layout, etc.; ability to operate firefighting apparatus and equipment structural pumps, crash fire driving ability (proper use of gears, clutch and brakes); demonstrated safe, smooth and effective operation of vehicle; knowledge of fire prevention practices with regard to building inspections and ability to identify fire

**File applications for the above with Bonnie Owens, Bldg. 34, Rm. 206, Ph. 2377.**

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## DIVINE SERVICES

**PROTESTANT**  
Sunday Worship Service 1000  
Sunday School—All Ages 0845  
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 0830 1130  
Sunday 0830 1130  
Nursery, Chapel Annex 1 0815 1245  
Daily except Saturday, 1135, Blessed Sacrament 0800 to 0825

**CONFESSIONS**  
Daily 1115 to 1130  
Saturday 1415 to 1645  
Sunday 0800 to 0825

**RELIGIOUS EDUCATION CLASSES**  
Sunday Pre-school thru 11th grade 1000  
Above classes are held in the Chapel Annexes across from the former Center Restaurant.  
Sunday afternoon 12th grade 1630  
As announced "In Home" Discussion Groups and Youth Rallies  
Contact Chaplain's Office for specifics.

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

## Soccer club loses game 7-6 to inmates at Tehachapi prison

Victory once again eluded the China Lake Soccer Club in a High Desert Soccer League game played last Saturday afternoon against a team composed of prison inmates at the Tehachapi Correctional Institute.

In what turned out to be a free scoring contest, the China Lakers, who played one man shy of the 11 needed for a full team, came out on the short end of a 7-6 final score.

The Tehachapi Correctional Institute team broke the scoring ice with a goal early in the game, only to have the China Lakers even the count at 1-1.

The scoring play was set up by John Piri, who lofted a pass to left wing Larry Trowinger. The latter fired the ball cross-field to right wing Steve Lee, who booted the ball into the net.

**Tehachapi Leads at Half**  
Still in the first half of the game, the Tehachapi team was able to work offensive players free in front of the China Lake goal and score two more times to take a 3-1 halftime lead.

As the second half got underway, another goal by the prison team was countered by Karl Kauffman, who converted a penalty kick to make the score 4-2 in favor of Tehachapi.

Players for the Tehachapi team broke through to tally two more times, increasing their lead to 6-2, before interpassing between China Lakers Lee and Kauffman on the right side enabled them to work the ball to center forward Klaus Schadow. The latter turned and kicked the ball into the goal from 8 yds. out to narrow the opposing team's lead to 6-3.

**China Lakers Battle Back**  
The Tehachapi team scored again, increasing its total to 7 goals, but the China Lakers battled back and tallied 3 more times. The first goal followed a hard shot by Kauffman at the Tehachapi goal. When the goalie failed to clear the ball well, Trowinger got a leg into the ball and tapped it into the net — reducing the Tehachapi lead to 7-4.

Next, a long free kick by midfielder Ross Heimdahl from the center circle was controlled by Schadow near the 18 yd. line, and he booted the ball into the left side of the Tehachapi net to make the score 7-5.

The China Lakers' final goal was tallied by Heimdahl from 25 yds. out with the help of a teammate who screened out the Tehachapi goalie.

The China Lake Soccer Club, which has a record of 1 win and 6 losses in High Desert Soccer League play, will host the league leading Antelope Valley Independent team from Palmdale on Sunday at Davidove Field. Kick-off time is 1 p.m.

## Pony League . . .

(Continued from Page 6)  
Tim Lewis, his replacement, was touched up for 6 more tallies.

Power hitting, including three triples by the opposing team, combined with six fielding errors, accounted for the 13-run deluge.

The IWW team scored its only two runs of the game in the fifth inning on singles by Hunt and Pete Lloyd, stolen bases that advanced them to second and third, and a hit by Vince Atencio, which drove them in.

Dropped into the consolation round of the Pony League competition at Granada Hills as a result of Tuesday's loss, the local 13-year-old all star team will play its next game in this double elimination tourney on Saturday.

## Energy conservation tip

Don't let the gas station attendant "top off" your tank by filling it to the brim after the nozzle's automatic shutoff stops the flow. This often results in overflow and a waste of gasoline. Also, in warmer weather some space should be left in the tank for expansion.

## Civil Service Act demonstration project . . .

(Continued from Page 1)  
constrained resources, greater management flexibility, lower turnover of high performance employees, increased recruiting success, and increased organizational effectiveness.

Because of the scope and complexity of the proposed system changes, the proposal is designed to incrementally incorporate four separate groups of employees. The proposal will include only General Schedule employees, excluding only a small number of GS employees.

The first group to be covered by the project will be scientists and engineers (S&Es). The second group includes, non-S&Es below GS-12 working in technical areas. The third group includes administrative personnel, and the fourth group clerical personnel.

Each group will be incrementally included as the previous group is successfully brought under the new system. The affected employees were grouped by the type and nature of work performed and not in an attempt to distinguish between four separate occupations.

**Broad Pay Bands Developed**  
The NOSC / NWC demonstration project proposes first to change the existing classification system by developing broader pay bands instead of the existing narrow grade levels. For example, new simplified classification standards will be developed to cover four levels of duties and responsibilities rather than the eight levels existing under the GS system for S&Es.

Proposed new classification levels for S&Es will be Level 1 (existing GS-5 through GS-8), Level 2 (GS-9 through -11), Level 3 (GS-12 and -13), and Level 4 (GS-14 and -15). Included in the proposal will be a provision for subject matter specialists and personnelists to develop new classification standards that will be simplified and more understandable both to employees and to supervisors. Similar broad pay bands will be developed for other occupational groups.

**Provides Greater Flexibility**  
The use of these broader pay bands will provide management with greater flexibility in reassignments, S&E personnel with a true dual ladder for advancement, and the individual employee with opportunity for greater recognition for achievement rather than for position.

The purpose of the demonstration project is to show that the waiver of laws, rules and regulations should continue on a government-wide basis. If the Center is unsuccessful in that process, the proposal will include an exit process which would be the least disruptive to Center personnel while attempting to insure that no individual

(Continued from Page 4)  
inspection of electronic components at incoming level of passive electronic components such as resistors, capacitors and inductors, etc. Will test electronic circuits under the supervision of higher grade specialists. Will use mechanical inspection equipment to verify characteristics of circuit cards, components and other mechanical equipment associated with the electro-mechanical characteristics of components and assemblies. Job Relevant Criteria: Ability to obtain certification as Category B Government Inspector within six months from initial assignment; knowledge of soldering techniques; broad knowledge of quality control / military specifications and standards; ability to communicate effectively with engineers, contractors, representatives, etc.; basic knowledge of theory of operation of transistor circuits (e.g., audio and video amplifiers, multi-vibrators, block oscillators, etc.) Promotion potential to GS-10.

**Mechanical Engineer, GS-830-9/11/12, PD No. 793410E, 793411E, and 793412E, Code 3460** — This position is located in the Conventional Weapons Production Office, Fleet Engineering Division, Engineering Department. Incumbent performs product design and production engineering work for one or more newly developed or substantially modified conventional weapons(s) system (s), e.g., Fuel Air Explosive (FAE) and Anti-Personnel / Anti-Missile (APAM) systems. The incumbent advises on, evaluates, and/or proposes modifications to design in order to facilitate production or logistics support, reduce material or manufacturing costs, and insure that adequate test and inspection procedures can be accommodated. Participates in the development of specifications and reviews design disclosure documentation to insure that manufactured products meet design intent. Analyzes production problems and items that failed to meet specifications to determine cause and identify potential solutions. Conducts pre-award and post-award surveys of contractors facilities to evaluate contractor capability and adequacy of plant facilities. Job Relevant Criteria: Knowledge of design characteristics and production engineering requirements of conventional weapons; ability to deal effectively with technical / management personnel associated with development efforts; knowledge of weapon system acquisition procedures.

**File applications for the above with Marge Stanton, Bldg. 34, Rm. 206, Ph. 2375.**  
**Three Interdisciplinary positions (Mechanical, Electronics, Aerospace Engineer or Physicist, GS-830, 855, 861, or 1310) in the Point Defense Office of the Sparrow Program, Code 39081** — These positions are primarily concerned with the Target Acquisition System (TAS). TAS is a surface system that automatically detects, tracks, evaluates, and designates hostile air targets to ships combat / weapons direction systems. It is integrated with NATO SEASPARROW and NTDS aboard AOR, AOE, and/or DD 963 classes of ships. Current efforts require integration with SLQ-32 Electronic Warfare systems, Rolling Airframe Missile systems, and RIM-7M systems,

makes less money than before the project started, unless appropriate appeal processes are provided to the individual.

**Merit Pay Concept Applied**  
The second part of the proposal applies the merit pay concept to individuals covered by the demonstration project, including supervisory and management personnel.

Under the merit pay concept, scheduled step increases and comparability increases (sometimes called cost-of-living increases) will no longer automatically be granted to personnel covered by the project. That money will be placed in a separate fund and redistributed annually to employees, with the amount an individual receives based on that individual's performance measured against individual performance standards that include specific performance objectives.

The result of this merit pay process should be the migration of high performers toward higher pay levels, while low performers will migrate downward in relation to the broader salary bands. The merit pay concept will require the development of individual performance standards; these standards are in fact required by the Civil Service Reform Act.

The merit pay concept will require greater involvement by both supervisors and subordinates in the performance appraisal process. It will also require managers and supervisors to make very difficult decisions concerning personnel covered by the project.

**RIF Process Affected**  
The third part of the proposal will change the reduction-in-force (RIF) process. Veterans' preference, tenure standing, and service computation date will continue to be used as factors in determining retention standings. However, these will be secondary determinants, with performance the prime factor in determining competitive RIF standing.

The proposed RIF process should result in the displacement of low performers in the event a RIF is required, with the retention of high performers in their pay levels.

## Promotional Opportunities . . .

(Continued from Page 4)  
and applications for CV class ships. TAS is in production with an on going R&D product improvement program. Position No. 1 GS-12, PD No. 7939074 — As Systems Integration Coordinator, the incumbent has responsibility for interface of hardware and software requirements. Establishes and monitors contractor efforts and provides technical direction for in-house work. Maintains software documentation in accordance with WS-8506 and MIL-STD-3560-1. Reviews and evaluates both shipboard and land based testing. Job Relevant Criteria: Broad background in operational use of missile systems; experience in electronic warfare; experience with radar systems; experience with combat direction systems; ability to deal effectively with others throughout the organization. Position No. 2, GS-12, PD No. 7939075 — As project engineer, the incumbent has primary responsibility for hardware improvement and assists in establishing overall program requirements. Job Relevant Criteria: Experience in developing and testing A/F, mechanical, electronic or digital systems; experience in project planning (budgets, schedules, etc.); ability to deal effectively with others throughout the organization. Position No. 3, GS-11/12, PD No. 7939076 — As systems engineer, the incumbent is responsible for conducting / directing studies to develop functional requirements. Develops test plans and procedures. Monitors contractor efforts in these areas. Job Relevant Criteria: Knowledge of surface weapons / sensor systems characteristics and requirements; experience in testing surface systems; knowledge of shipboard operational / testing requirements.

**Electronics Engineer, GS-855-9/11, PD No. 7939072, Code 3954** — This position is in the Weapons Design and Evaluation Branch, RF Division, Weapons Department. The incumbent provides design, development, and analysis support for branch efforts in missile guidance system development. Job Relevant Criteria: Knowledge of stripline techniques, electromagnetic theory, and computer applications; experience in digital circuitry; computer-controlled analog processes, and analog processing; ability to communicate technical information.

**Clinical Nurse, GS-6107 or 9, PD No. 7894001E, Code 94** — This position is with BUMED, Naval Regional Medical Center Long Beach, located at the Branch Clinic, NWC, China Lake. Performs a wide variety of professional nursing duties associated with employee health program. Duties include emergency care, assisting with medical exams, administering medications and treatments, coordinating various aspects of the Federal Worker's Compensation Program, administering the immunization program, etc. Job Relevant Criteria: Knowledge of normal and abnormal symptoms for purposes of treatment or referral; ability to counsel employees regarding the occupational health program; ability to use all standard medical equipment and techniques; ability to deal effectively in person-to-person contacts at all levels of the organization.

**File applications for the above with Kitty Berry, Bldg. 34, Rm. 206, Ph. 2723.**





## Recreation Roundup

## Players sought for Admiral's Cup bowling competition

Another year-long series of monthly athletic events that will culminate in awarding of the Admiral's Cup will get underway at Hall Memorial Lanes at 1 p.m. on July 31 between teams of military bowlers representing NWC Blue (the Aircraft Support Division), NWC Gold and VX-5.

NWC Blue, winner of the Admiral's Cup for 1978-79, will be trying to get off to a good start in the 1979-80 competition.

Military personnel interested in competing in the Admiral's Cup bowling match should contact one of the following team representatives: Roy Tefft, NWC Blue, phone NWC ext. 5496; Colleen McKenzie, NWC Gold, phone NWC Ext. 3451; or John Smith, of VX-5, phone NWC Ext. 5274.

## Swim Lessons Offered

The third in a series of swimming lessons for beginners to be offered at the Chief Petty Officers' Club swimming pool will begin on Monday morning and be held on Mondays, Wednesdays and Fridays through Aug. 10.

Classes for beginners and advanced beginners, each 30 min. in duration, will be held starting at 8, 8:30, 9 and 9:30 a.m.

There is a fee of \$3 for the series of nine lessons, which will be taught by lifeguards on duty at the CPO Club Pool. Registration and payment of fees is being handled at the NWC gym office.

Also scheduled is a beginners' swimming class for adults that will be held on Mondays, Wednesdays and Fridays from 9:30 to 10 a.m.

Additional information can be obtained by calling the NWC gym at Ext. 2334 or 2571.

## Merchants remain unbeaten in Women's Fast Pitch Division of Intramural League

Following a July 4th holiday week in which no games were played, there was only limited action last week in the Women's Fast Pitch Division of the China Lake Intramural Softball League.

In the two games that were played, the Ridgecrest Merchants continued their winning streak (which now stands at 10 games in a row) by defeating the Flower Shop 13-6, while the second place Pizza Villa squad knocked off the Charlie Browns 14-7.

The Merchants, who batted first in their game with the Flower Shop, wasted no time establishing a comfortable lead as they scored 7 runs in the first two innings of play, and added 2 more in the third.

The Flower Shop countered with a single tally in the second inning and 3 more runs in the third to make it a 9-4 ball game with the Merchants in the lead after three full innings of play.

Neither team was able to score in the fourth inning, but in the fifth inning of a game that was stopped because of the time limit rule, the Merchants outscored their opponents 4 runs to 2 to win by a final tally of 13-6.

Line Scanlon, the winning pitcher for the Ridgecrest Merchants, gave up just 3 hits in the 5-inning fracas. The game's leading hitter was Jo Maschhoff of the Merchants, who had three hits — a double and two singles — in three times at bat. Line Scanlon and Pat Brightwell also hit doubles for the Merchants.

The Pizza Villa vs. Charlie Browns game

## Pony League 13-yr.-olds win, lose in tournament play

An Indian Wells Valley Pony League all star team composed of 13-year-old players made its first post season tournament outing of the 1979 season a winning one by walloping Westchester 14-2 in a game played last Saturday at Granada Hills.

The local Pony Leaguers dominated the

game from the outset as Daniel Means, the winning pitcher, gave up five scattered hits, and struck out seven opposing players.

The IWV team opened its 14-run barrage by scoring twice in its first time at bat. With two teammates on base as the result of errors, Rickie Hunt picked up two RBIs on a

single that got the local Pony Leaguers off to a 2-0 lead.

Hunt's bat accounted for three more runs in the third inning, which began with back-to-back singles by Tim Lewis and Mark Kaupp, and an error that put Means on first and loaded the bases. Hunt's double followed and he then scored on a hit by Danny Grattan that boosted the local team's lead to 6-0 after three innings of play.

The Westchester Pony League team averted a shutout by tallying a single run in the fourth and another in the sixth and final inning. This was more than offset, however, by the scoring power of the IWV team, which tallied 3 more runs in the fifth and another 5 runs in the last half of the sixth before the game was stopped.

Lead increased to 9-1

The IWV team was coasting along with a 6-1 lead when Means led off in the bottom of the fifth inning by drawing a walk. Tracy Gates, the next batter, was safe on an error, and moments later Means moved to third on a pass ball. This set the stage for a hit by Kevin Blecha that drove in two runs, and Blecha than tallied on a single by Russ Hyde to make the score 9-1 in favor of IWV.

The sixth and final inning was a disaster for the Westchester team, as the local Pony Leaguers pounded out five hits (all singles), and took advantage of a dropped third strike and a walk that put two other players on base. Before the game was called with just one out and two men still on base, the IWV team had tallied five more runs and hadwalted to a 14-2 victory.

Leading hitter for the local team was Hunt, who had 3 hits in 4 times at bat — including the game's only extra-base blow — a bases-loaded double in the third inning. Fielding gems were turned in by Lewis at third base, first baseman Kaupp and Hyde, center fielder for the IWV team.

Team Loses to Granada Hills

After last Saturday's opening round win in the Pony League tourney at Granada Hills, the IWV 13-year-olds were roughed up on Tuesday by the host team (Granada Hills), which defeated them 14-2.

Early in the game, it was an evenly matched contest with Granada Hills ahead 1-0 after 3½ innings of play, but the roof caved in on the Indian Wells Valley team in the bottom of the fourth.

According to Steve Kaupp, manager of the local team, both the pitching and fielding by the IWV team broke down at the same time. Before Rickie Hunt, the starting pitcher, was relieved 7 runs had scored, and

(Continued on Page 7)

## 11th ND Northern Area tennis tourney starts here Monday

The Naval Weapons Center will host the 11th Naval District's Northern Area Tennis Tournament — an event that will get underway at 1 p.m. Monday and continue through next Friday, July 27.

Four singles player scheduled to represent NWC in this competition, the winners of which will be eligible to compete in the 11th ND finals in San Diego July 30 through Aug. 3, are Bob Reusche, Willie Moffett, Bob Martinez and Mike Kasper.

According to Bob Kundinger, assistant athletic director at China Lake, strong teams are expected here from the Naval Construction Battalion Center at Port Hueneme and from the Pacific Missile Test Center at Point Mugu.

While the four China Lake tennis players mentioned above will have to win in next week's preliminary competition in order to be eligible to take part later in the 11th ND finals in San Diego, two other local netters—Roger Del Parto and John Levitsky — are scheduled to participate July 30 through Aug. 3 in the 11th ND (South) Regional Junior Veteran Men's Championship Tournament at the Naval Training Center in San Diego. This event is open to male military personnel 35 through 44 years of age.



**BJORKLUND AWARD PRESENTED** — Steve Kaupp, president of the East Kern County Chapter of the American Society for Public Administration, presents certificates denoting the Bjorklund Award for Innovative Management to members of the incorporating board of the Hi-Desert Women's Center. Recipients of the award are (l.-r.) Florence Green, Suzanne Fountain, Gaylin Cloonan, Caroline Nathan, and Ethel Burge. Three other honorees — Dr. Alison Swift, Karen Phillips, and June Wasserman — were unable to be present for the photo. A plaque, also presented to the group, will be mounted on the wall of the Women's Center in the old Kern County building in Ridgecrest. — Photo by PH2 Tony Garcia

## Women's Center board receives Bjorklund Award

The annual meeting of the East Kern County Chapter of the American Society for Public Administration (ASPA) was highlighted by the presentation of the Bjorklund Award for innovative management to the incorporating board of the Hi-Desert Women's Center.

The award was presented to eight women — Ethel Burge, Gaylin Cloonan, Suzanne Fountain, Florence Green, Caroline Nathan, Karen Phillips, Alison Swift, and June Wasserman — for their combined efforts in the introduction of a positive element of change in the community-related area of public administration. This change was achieved through participative management techniques, and an overwhelming concern for the consumer of their services.

## Center's Primary Function

The primary function of the Hi-Desert Women's Center is to serve as a referral agency for women residents of Indian Wells Valley. To aid in this effort, the Women's Center has compiled an extensive resource file.

Help is available to women of all ages who may have questions (for example) concerning legal rights, job opportunities, filling out job resumes, and how to apply for a job.

Housing needs and child care services are other matters addressed by the all-volunteer staff of the Hi-Desert Women's Center, which is located in the old Kern County Building, 230 W. Ridgecrest Blvd. Hours of operation are 10 a.m. to 4 p.m. on Tuesdays and Thursdays.

There is an annual membership fee of \$5

per year, but the Women's Center relies on donations from the community for the bulk of its support.

The Bjorklund Award honors the late Russell Bjorklund, who was head of the NWC Central Staff (now the Office of Finance and Management) at the time of his death in 1966.

## Featured Speaker

The speaker for the evening's gathering was Dwight Ink, past national president of ASPA, who discussed the problems of effective government in the nation today.

Ink has held a variety of top level jobs in Washington. He noted that as government becomes more complex the communication process and implementation process becomes lengthier. He said that it now takes from one to four years for word from the President as to how something should be accomplished to reach the working level of government where it can be implemented.

Red tape, Ink said, was caused more by the actions of special interest groups than by bureaucrats. Organizations such as ASPA have a responsibility to provide a counterweight to special interest groups, Ink stated. He added that ASPA members are being called on increasingly by the White House, Office of Management and Budget, and Congress to testify and advise in the interests of good government.

The meeting was chaired by Steve Kaupp, outgoing president of the local chapter of ASPA. Kaupp introduced Linda Roush, incoming president of the organization; Mrs. Roush then announced the results of

## Aided by IWV residents, recycling center is now doing good business

The recycling center, sponsored by the Employee Services Board (ESB) as a community service, is doing a thriving business thanks to the cooperation of private citizens in Indian Wells Valley.

A pit for recyclable glass was built east of the intersection of S. Richmond Rd. and Santee St. on the Naval Weapons Center in May 1976. This was quickly expanded to include bins for aluminum cans and newspapers.

Jim Fath, ESB chairman and one of the founders of the recycling center, said that it is a lot better to bring bottles, cans and newspapers to the center than throw them away in the trash. "The dump just buries them. Here, things get used for a second time," he said.

Fath reports that over 20 tons of newspapers are being left at the recycling center each month along with many tons of glass and aluminum. This material is sold by Van Huett, the contractor hired by ESB

to maintain the recycling center, to dealers in Los Angeles and Pomona. ESB then receives four percent of the profits. This money goes into the NWC Special Services Recreation Fund to help pay for civilian recreational activities.

"What must be realized is that ESB does not try to make money from any of its endeavors such as the recycling center and the Child Care Center," Fath stated. "These facilities are operated as a community service. We just try to break even."

Although the general response by local citizens has been good, Fath feels that many residents in Ridgecrest are not using the facility because they do not know it is available to them.

## Open to Everyone

All local residents are authorized access to the Center in order to deposit recyclable materials, 24-hours a day. Off-Center contributors to the recycling center should enter NWC via the south gate on Richmond Rd. and need only advise the guard that they are on their way to the recycling center. No special pass is required.

Only glass jars, bottles and other glass containers should be dropped into the glass recycling pit. These should be reasonably clean to prevent a sanitation problem. Residents are asked not to throw paper, pyrex, mirrors, plastics, ceramics or vehicle windshields in the pit, and the same goes for rocks and other non-recyclable materials.

Newspapers brought to the recycling pit should be tied in bundles before being placed in the proper bin. Aluminum cans do not have to be flattened before being tossed into the fenced enclosure provided for them next to the glass recycling pit.

The recycling center also buys recyclable material by the ton from non-profit organizations in the area. Groups interested in selling material to the recycling center may call Fath at NWC Ext. 2964 for further information.

## TD Award . . .

(Continued from Page 1)

LaJeunesse spent a semester on campus at USC in 1974 completing the requirements necessary for a master's degree in electrical engineering — specializing in control theory.

Since the early part of 1975, when the old Surface Missiles Department was renamed the Weapons Department, LaJeunesse has been an employee of Code 39. For the past two years, his principal effort has been devoted to hybrid simulation of the AIM-9M version of the Sidewinder in preparation for flight tests.

## AM2 Chandler singled out as VX-5 Sailor of Month

Aviation Structural Mechanic Second Class Terryl D. Chandler was selected as Sailor of the Month for June by Air Test and Evaluation Squadron Five.

The letter of commendation to AM2 Chandler, signed by Capt. P. D. Stephenson, VX-5 Commanding Officer, noted that "your (Chandler's) extremely positive attitude and conscientious efforts have greatly attributed to the success of this squadron's mission."

The letter continues, "While assigned to the Airframes Branch of the Maintenance Department, you have consistently exhibited the highest degree of professionalism and leadership. You assumed a most responsible position as night shift airframes supervisor while still a third class petty officer."

"You managed your shop and your crew exceptionally well while filling this billet normally assigned to a first class. . . . Through your hard work and attention to duty, you have gained the admiration and respect of both your subordinates and seniors. Your extensive knowledge of the metalsmith rating is apparent from your recent selection as second class petty officer. My congratulations and a highly deserved 'Well Done'."

AM2 Chandler has been stationed at NWC with VX-5 since Jan. 5, 1979, when he was transferred here from Attack Squadron 165 at the Whidbey Island Naval Air Station, Oak Harbor, Wash.

While a member of VA-165 his squadron

earned two Battle Efficiency ("E") Awards from the Chief of Naval Operations and a CNO Safety Award.

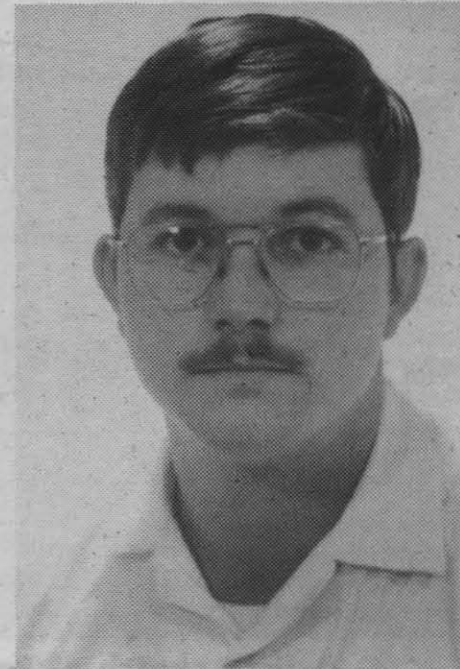
The VX-5 Sailor of the Month calls Vale, Ore., home. He was graduated from high school there in June 1974, then entered the Navy in November 1974.

After recruit training at the Naval Training Center in San Diego, he reported to the Naval Air Technical Training Center in Memphis, Tenn., where he attended aviation structural mechanics' school. Then in June 1975, he reported to VA-128 at Whidbey Island for six months of air frame training before his transfer to VA-165.

While serving at Whidbey Island, AM2 Chandler earned an associate of arts degree. His major was in mechanics. He obtained his master mechanic's license in August 1978.

AM2 Chandler said that he is a backyard mechanic and enjoys taking engines apart and putting them back together. He intends to requalify for his FAA certification in airframes and power plants at Edwards Air Force Base in the near future.

He and his wife, Brenda, and their three children, Gregory, 4, Christopher, 2, and Jeffery, 2 mos., live in quarters at China Lake.



AM2 Terryl D. Chandler



## 'Hail, farewell' fete for military officers set Wednesday night

A hail and farewell party honoring incoming and departing military officers of the Naval Weapons Center will be held on Wednesday evening, July 25, at the Commissioned Officers' Mess.

Following a social hour from 5:30 to 6:30 p.m., presentations will be made from 6:30 to 7 p.m. Those persons wishing to remain for dinner at 7 are asked to make their own reservations by calling 446-2549. Civilian guests are invited to attend the festivities.

### Capt. Kinley To Be Honored

Nine departing officers, including Capt. F. H. M. Kinley, NWC Vice Commander, will be given the traditional NWC send-off, while ten officers will be welcomed aboard.

Other departing officers are Col. Leroy A. Madera, Marine Corps Liaison Officer; Capt. Robert W. Taylor, officer-in-charge of the Naval Regional Center's Branch Medical Clinic at China Lake; LCdr. Fredric Rotzler, officer-in-charge of the Explosives Ordnance Demolition Detachment (EOD); and LCdr. James M. Maloof, special assistant to the Commander.

Other officers leaving NWC are Charles H. Schneider, head of the Public Works Department's Construction Division; Lt. Rosemary B. Conatser, Sea Control Studies project officer in the Weapons Planning Group; Ltjg. Peter L. Whipple, Military Personnel officer; and CWO-4 Danny K.

Thompson, assistant officer-in-charge of the EOD detachment.

The recent arrivals at NWC will be introduced are Capt. Jon R. Ives, CEC, USN, Public Works Officer; Cdr. Duane A. Ringel, CEC, USN, assistant Public Works Officer; LCdr. William F. Ellis, Code 61; and LCdr. Nancy A. Harris, NC, USN, Naval Regional Branch Medical Clinic.

Other officers coming aboard are LCdr. Sammy Saltoun, CEC, USN, assistant officer-in-charge of construction in the Public Works Department; Lt. Charles E. Giger, Code 21; Lt. Blanine R. Thorn, DC, USN, Naval Regional Branch Dental Clinic; Lt. Dennis K. Wilcox, Code 61; CWO-3 Dale E. Barnett, Code 21; and CWO-2 Ronald M. Decker, maintenance-material officer in the EOD detachment.

## Enrollment open in review courses in electrical engineering

Two undergraduate summer review courses in electrical engineering will be taught at the Training Center by Dr. Henry Adaniya, an NWC fellowship recipient who is an employee of Code 3522.

The courses, "361 Linear Systems" and "468 Fundamentals of Control Systems," are pre-requisites to the graduate electrical engineering program offered at China Lake through California State University at Northridge.

The first course, "361 Linear Systems," will be held from Aug. 4 through Aug. 24 while the second course will begin Aug. 28 and end Sept. 14. Sessions for both courses will be held from 4:30 to 6 p.m. on Tuesdays and Fridays.

Because these subjects are offered as non-credit NWC short courses, there will be no homework, exams or finals. They are intended as refresher or review courses and it is assumed that the student is already familiar with the various topics and terminology.

NWC will pay the tuition fee and students need only purchase text books which will be available at the Training Center.

Employees interested in attending either or both courses must submit training request and authorization forms via proper department channels in order to reach Code 094 no later than July 27.

## Opportunities . . .

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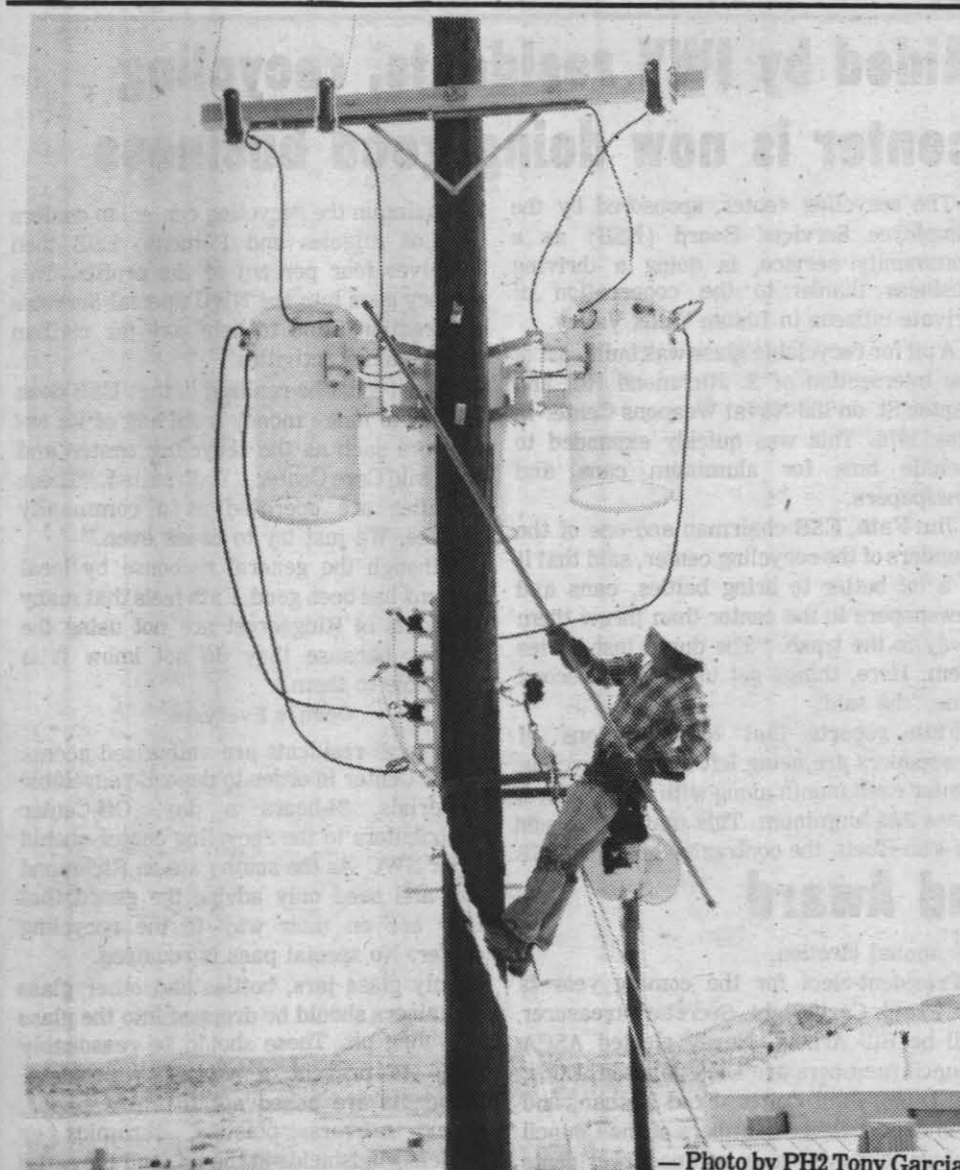
analysis and evaluation. Incumbent is also responsible for ILS support. **Job Relevant Criteria:** Knowledge of electronic circuit design involving digital and linear integrated circuits; knowledge of laboratory and field testing and evaluation including environmental and tight tests; knowledge of Navy contracting procedures including preparation of contract requisitions and contract security guidelines and evaluation of contractor technical proposals and cost estimates and monitoring of contractor effort; knowledge of the detailed theory of operation for the TDD system, including aspects of design, development, testing and analysis.

File applications for the above with Susie Cross, Bldg. 34, Rm. 210, Ph. 2371.

**Tools and Parts Attendant, WG-6904-5/6, JD Nos. 672, 673, and 573N, Code 34422**—This position is located in the Resources Management Branch, Engineering Prototype Division, Engineering Department. The incumbent will be responsible for the operation of the division's tool crib, which involves receiving, checking, identifying, storing, issuing, and making minor repairs to tooling and parts. **Job Relevant Criteria:** Ability to do the theoretical, precise, and/or artistic work of the trade; ability to interpret instructions and specifications; ability to use tools and equipment of the trade; dexterity and safety; ability to do the work of the position without more than normal supervision. Promotion Potential to WG-6. Supplemental Qualification Statements are required for this position and may be picked up from Marge Stanton in Rm. 206 of the Personnel Building.

**Quality Inspection Specialist, GS-196-8, PD No. 7936122N, Code 3442**—Position is located in Quality Inspection Branch, Engineering Prototype Division, Engineering Department. This position represents the general developmental level of the branch career ladder. The incumbent will be expected to perform the less complex inspections (both electronic and mechanical) with relative independence and, in addition, works closely with a higher grade specialist to develop the skills and knowledge required for performance at the full performance level of the career ladder (GS-10). Examples of the less complex inspections performed with relative independence at this level include inspections for conformance to WS 6536 of printed wiring boards, test and

(Continued on Page 7)



**DISCONNECTION**—Howard Landis, from the Electrical Branch of the Public Works Department, disconnects one of more than 100 transformers being shut down on the ranges as an energy conservation measure. When power is needed for a scheduled test, the transformer can be hooked up with just a few minutes work.

## Energy conserved by disconnecting range area transformers not in use

A coordinated effort between the Range Facilities Design Branch (Code 6232) of the Range Department and the Electrical Branch (Code 2635) of the Public Works Department has resulted in a solid cut in base load energy usage by the Naval Weapons Center.

Instead of just turning off light bulbs when not needed, these two groups have combined to turn off transformers not in current use. Since transformers when connected draw energy 24 hours a day, whether in use or not they add to the Center's utility base load.

Nearly 100 transformers at various range facilities that are not in constant use for tests are being disconnected this summer—resulting in a saving of 82,000 kilowatt hours of electricity per year.

This program actually began in 1976 and has been continuing, but is now being speeded up. The energy saving for all the transformers disconnected in the past three years, as well as the ones now under consideration, totals about 196,000 kilowatt hours annually. This saving is equivalent to 360 barrels of oil each year—or a barrel a

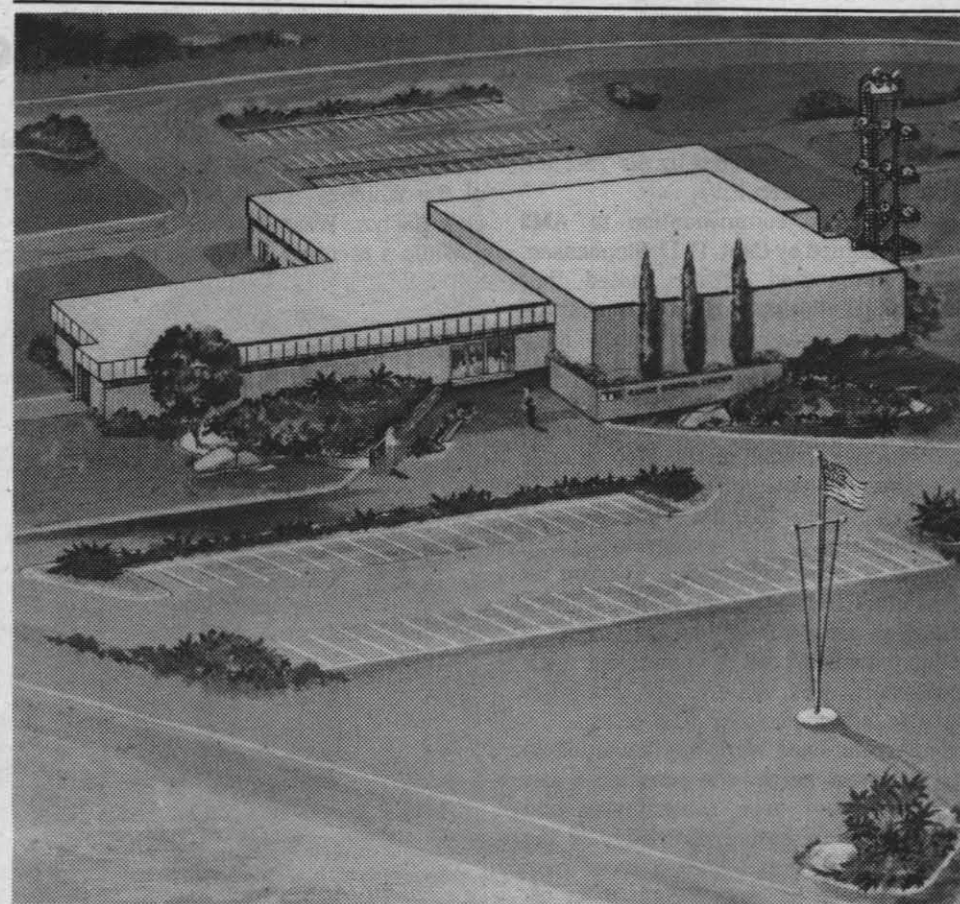
## RCC building . . .

(Continued from Page 1)

Center's complex computing and test control display system, which is to include a real-time computer and data processing center, three test control centers, and a range status/coordination center.

Maximum use of underground television and data transmission (Wide Band) cables will be made in connecting various range instrumentation systems to the RCC. This will conserve on Radio Frequency Bandwidth and associated radio frequency allocations, which are required when using microwave as a transmission media.

Upon completion, the RCC will function as a single, integrated test control and data gathering system that includes modern communications, state-of-the-art computers and test control displays, range timing, metric video, video operations, drone control, ground and airspace surveillance, and test control centers.



**Artist's sketch of Range Control Center**

## Fuze, Sensors Department celebrates 25th anniversary

This month the Naval Weapons Center's Fuze and Sensors Department is celebrating its 25th anniversary. The organization began as the Fuze Department at the Naval Ordnance Laboratory, Corona (NOLC), in July 1954.

At that time it was assigned the responsibility for research and development of guided missile proximity fuzes, safety and arming (S-A) devices, contact fuzes and associated components.

Early projects of the department included the Terrier, Talos, and Sparrow I and II fuze systems. Shortly after the department was created, the responsibility for the first Sidewinder fuze system was transferred from the Naval Ordnance Laboratory at White Oak, Silver Springs, Md., to NOLC.

From this start, the NOLC fuze program grew rapidly in the following years until by 1958, 30 fuze projects for a variety of surface and air-launched missiles were under development.

### Leader in Fuze Technology

By 1968, virtually every tactical missile of the Navy carried a fuze system designed by Fuze Department scientists and engineers and produced by industrial contractors.

To maintain high technical standards and to concentrate in-house resources on the research and development aspects of guided missile fuze systems, the Fuze and Sensors Department contracts engineering development and production to industry. As the result of this policy, a Fuze and Sensors Department spokesman said, a strong industrial base has been established and at the same time an in-house corporate memory in the science of fuzing has been maintained.

### Broad Range of Experience

The department has been very successful in collecting and interpreting the fuze experience data from the Fleet and incorporating the lessons learned into succeeding fuze development, the spokesman continued. The range of in-house experience required is broad, covering system requirement analysis and specification; optical, RF, and radar system design; target interaction analysis and simulation; specialized component design including thermal batteries, magnetrons, antennas and explosive leads, detonators and boosters; mechanical design and structural analysis; environmental evaluation; specialized production processes; and documentation.

The Fuze Department, except for the Encounter Simulation Laboratory, moved from Corona to China Lake in 1971. In 1978 the name of the department became the Fuze and Sensors Department to better reflect the products of the organization.

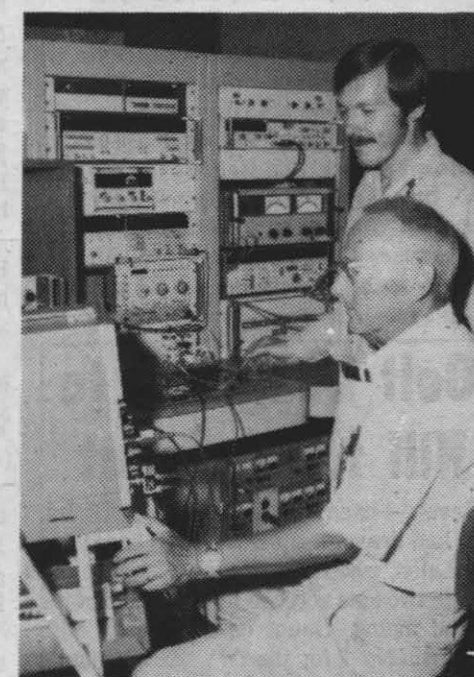
Over the years, department heads have been Dr. H. A. Thomas from July 1954 to September 1954; Joseph S. Ramer, 1954-1957; Benjamin F. Husten, 1957-1973; Bob Hillyer (present NWC Technical Director), 1973-1975; and Robert A. Boot, 1975 to the present time.

Today, NWC's Fuze and Sensors Department is the principal Navy research, development, test and evaluation (RDT&E) center for guided missile fuze development and has cognizance over the full spectrum of fuze and sensor R&D from concept innovation and design through production, service use, and Fleet support.

The department has developed a broad technology base that has resulted in nonfuze sensor systems that are of great benefit to the Navy and other services, and is the unparalleled leader in the development of target detecting devices, contact sensors, and electromechanical S-A devices for guided missiles.

A Presidential Citation was given to the Fuze Department in 1964 in recognition of its highly successful program of simplification and cost reduction for the S-A devices used in Navy missiles.

These devices have a perfect safety



**NEW FUZING SYSTEM**—Fuzing systems have progressed greatly since the birth of the Fuze Department in 1954. Here, two employees of the Fuze and Sensors Department use the latest equipment to test the breadboard model for the Frequency Obtained Range Definition and Control (FORDAC) fuzing system to be used with the Standard Missile-2(N). Pictured are Bob Clouser (seated), and Jim Newhouse.



**EQUIPMENT DESIGNER**—Scott Weiner (left), a design engineer in the Fuze and Sensors Department, explains the automatically programmable test equipment that he designed for the newest fuze for the Phoenix Weapon System, which will go into the AIM54-C missile, to Clyde Lebsock (center), Phoenix Ordnance Components Program Technical Manager, and to Ralph Bauer, head of the Fuze Systems Division.

—Photos by PH2 Tony Garcia

record. In over 80,000 missile flights there have been no observed warhead detonations prior to safe separation. The devices have a reliability of better than 99 percent in Fleet use based on more than 400,000 units manufactured, 14,000 telemetered flights, and 80,000 visually observed flights.

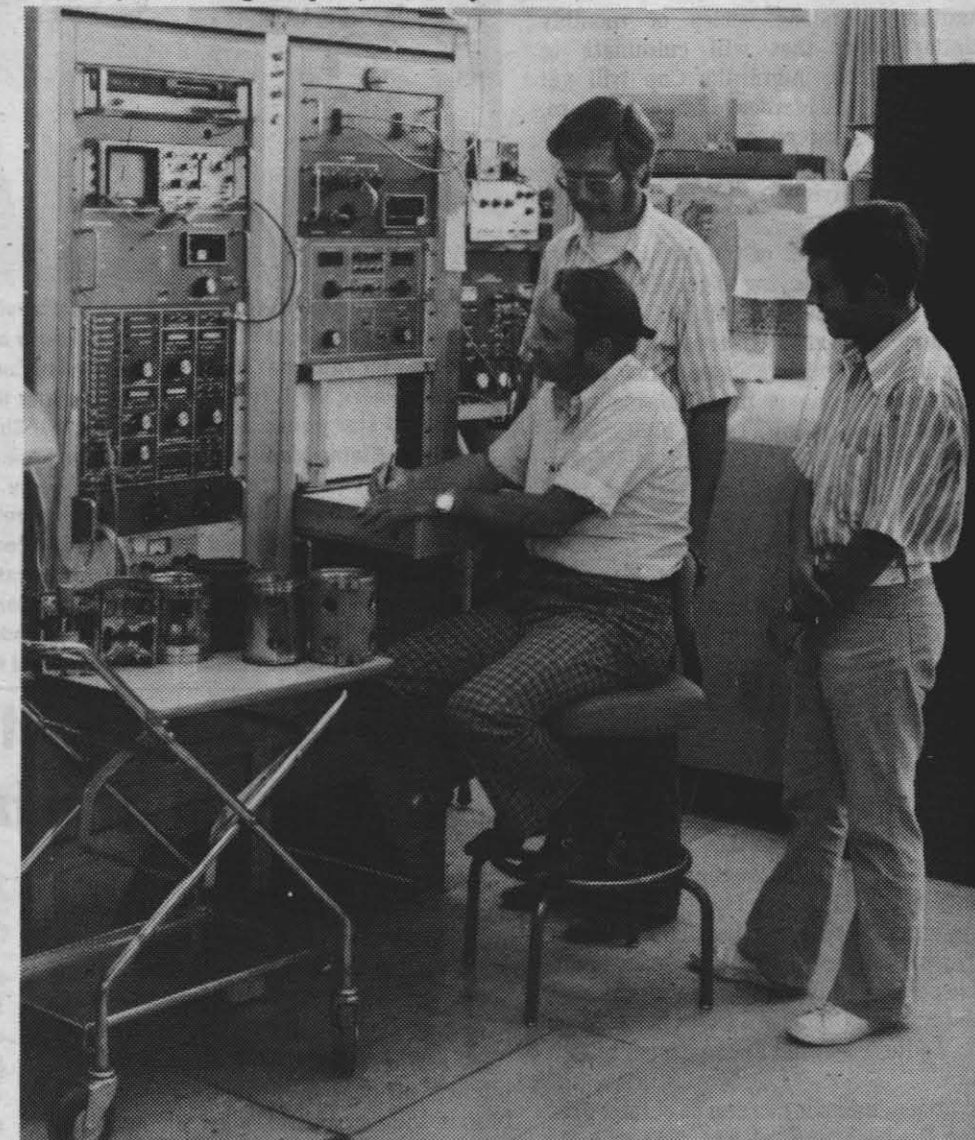
The challenges of the future for the Fuze and Sensors Department will be to develop target detecting devices that will effectively counter extremely low altitude threats to the Fleet, hard targets designed to survive attack and new and more effective countermeasures.

Another challenge will be to develop contact sensors that will provide hard target penetration and adequate safety and sensitivity for air target impact; and safety

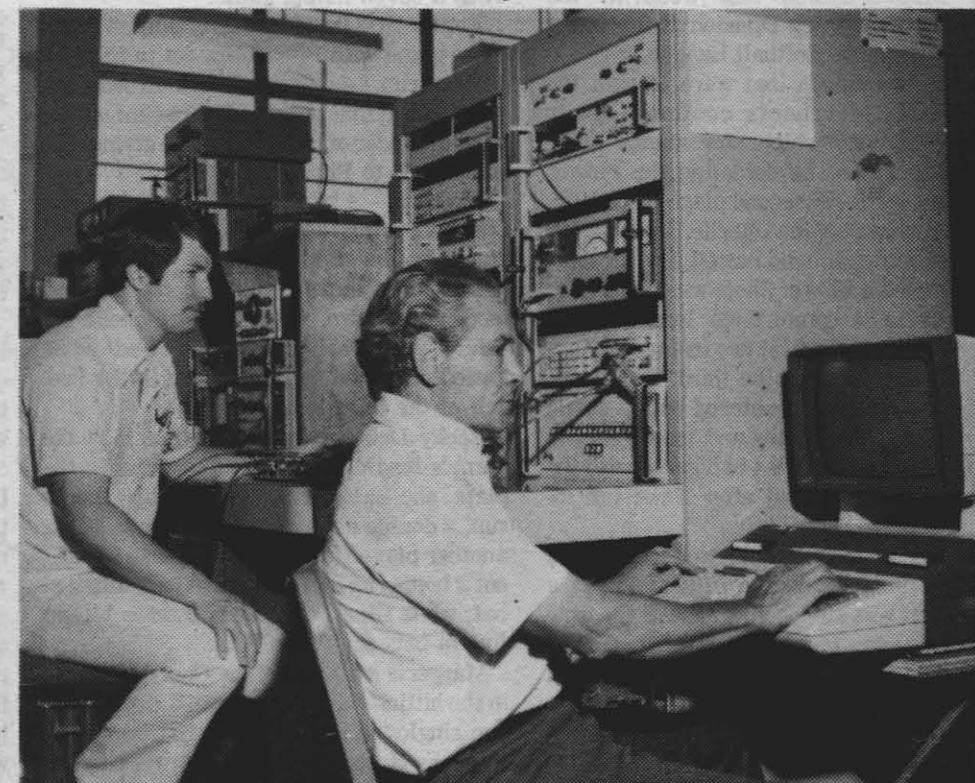
and arming devices to provide safe, reliable arming for missiles having short boost motors—a means of reducing the minimum encounter range of air-to-air missiles and increasing rocket motor safety.

In addition, the department is working on warhead initiation systems that will provide increased capability to meet warhead cookoff requirements and simple, inexpensive, aimable warhead ignition systems.

During the past 25 years, the department has made many major breakthroughs in fuzing technology. With this experience, the NWC Fuze and Sensors Department will continue to fulfill future Navy fuzing requirements for more affordable and capable fuze systems to meet sophisticated threats.



**FULL GENERATION**—In the foreground are a historical group of Sidewinder missile active optical and radio fuzes developed by the Fuze and Sensors Department over the past 25 years. The fuze in the center of the cart is a radio fuze, which was one of the first fuzes developed for Sidewinder at Corona, while on the far left is the newest active optical fuze for the Sidewinder AIM 9-M under test. Seated at the test equipment is Joe Johansen, an electronics engineer, who also worked on the earlier version at Corona. Standing (l.-r.) are Russ Van Devender, and Dean Diebel.



**LINKED TO COMPUTERS**—Since the inception of the Fuze Department 25 years ago, the test equipment has been linked to computers, which not only make testing of fuzes and components faster but also more accurate. Here, Greg Roush (left), and Melcour Marquez, electronics engineers in the Advanced Technology Projects Branch, run tests on a receiver for the Frequency Obtained Range Definition and Control (FORDAC) fuzing system to be used with the Standard Missile-2(N).