

### Visits by Parents Encouraged by 3 Schools Next Week

It will be "Back to School" night next week for parents of students who attend three schools within the Sierra Sands Unified School District. These special events, which are open to all interested persons, will be held at Richmond and Vieweg Schools, as well as Burroughs High. "Back to School Night" will be observed at Richmond School on Monday, beginning at 6:30 p.m., announced Richard McCown, principal.

Parents and other interested persons are invited to inspect arts, crafts and other school work by Richmond School pupils on that evening.

The work of grades kindergarten through third grade, and the Special Education classes, will be displayed from 6:30 to 7 p.m., and grades four through six will be presented from 7:30 to 8 p.m.

A short break is scheduled from 7 to 7:30 in the cafeteria. Richmond room mothers and members of the Richmond School PTA, will serve refreshments.

#### At Vieweg School

Vieweg School will combine its "Back to School" night with the first general PTA meeting of the new school year on Wednesday, Sept. 25.

From 6:30 to 7:30 p.m., parents will meet with teachers in the rooms. At 7:30, the general PTA meeting will begin in the school cafeteria.

Dr. Howard Harmon, superintendent of Sierra Sands Unified School District, will be the guest speaker. His topic will be: "In Which Direction Are Our Schools Going?" Refreshments will be served after the general meeting.

#### Burroughs High Program

Burroughs High School's annual "Back to School Night" will be held on Thursday, Sept. 26, beginning at 7 p.m., in the Lecture Center.

Parents of high school students will be provided an opportunity to meet their children's teachers, to hear a brief summary of the class activities, and to review instructional material used in each classroom.

Parents will be participants in a miniature school day—following their son's or daughter's class schedules. Classes will be 10 min. in length, with 5 min. between periods. Parents will be furnished with a map of the campus in order to locate the various classrooms.

Parents should know their children's schedule and room numbers prior to coming to school next Thursday night.

Members of the BHS Pep Club will be on campus to direct parents to specific classrooms in case the visitors become lost.

Following classroom visits, refreshments will be served in the multi-use room on the campus.

The NWC gate will remain open until 10:30 p.m.

### CLOTA Presentation Of 'Virginia Woolf' To Open Next Friday

The Community Light Opera and Theater Association's fall production, "Who's Afraid of Virginia Woolf?" offers a highly tense and dramatic presentation of human emotion and realism.

This emotionality and realism is magnified when set against a background of symbolic representation. With the opening curtain, the pace and tension of the play is introduced, and it isn't until the final curtain that it ends.

The play is set for four performances—Sept. 27 and 28, and Oct. 4 and 5—in the Burroughs High School Lecture Center. Curtain time is 8:15 p.m.

Tickets for this premier show are priced at \$2.50 for adults and \$1.50 for students. They are available at the Gift Mart in Ridgecrest, the Station Pharmacy, from members of the cast, or at the Lecture Center door prior to performances.



**PREPARING FOR 'POPS' CONCERT**—The French horn section of the Desert Community Orchestra is shown during rehearsals for the annual "Pops" Concert, to be presented Oct. 3 on the lanai of the Commissioned Officers' Mess, beginning at 7:30 p.m. The instrumentalists are (l.-r.): Paul Sippel, Ellene Gravelle, Dave Rasmussen, Margaret Chandler and Russ Parker. —Photo by Stan Reynolds

## HAPPENINGS AROUND NWC

A dinner-dance culminating a hard year of work benefitting the Children's Home Society will be held Saturday night at the Chief Petty Officers' Club by the local Roadrunners' Auxiliary of the non-profit adoption and counseling agency.

This will be the first non-profit social activity for the members of the Roadrunners Auxiliary who, along with their spouses or escorts and guests, will be enjoying an evening of dining and dancing. Music will be provided by means of tape recordings.

The theme for the evening, "Shipwrecked in the Caribbean," will be carried out by special settings that will include replicas of ancient pirates' chests and old treasure maps, as well as colorful posters.

#### Aetna Agent To Visit

Jim Nefew, representative of the Aetna Insurance Co., will be at the Community Center next Wednesday, Sept. 25. Participants in the Federal Employees Benefits Program may consult with Nefew from 9 a.m. to 1 p.m.

#### Parent Growth Class Set

Caroline Nathan and Donna Raper, child counselors at the Desert Counseling Center, will conduct a Parent Growth Class, beginning on Tuesday.

Classes will be held from 7 to 9 p.m. in the China Lake office of the DCC, located at the corner of Blandly Ave. and Hussey Rd. Regular attendance will be important, the counselors advised.



**MONDAY LUNCHEONS UNDER WAY AGAIN**—More than 110 guests took advantage of the gourmet luncheon offered by the Maturango Museum last Monday. Willa Schaniel (standing), director of the Monday luncheons' group, greeted (l. to r.) Albert S. Gould, Sr., treasurer of the board of trustees for the Maturango Museum; his wife, Charlotte, president of the Desert Planters of Ridgecrest, and Mrs. Stella Victor, a member of the Museum Docents. Members of the Desert Planters of Ridgecrest and the Oasis Garden Club of Indian Wells Valley are assisting by furnishing the Monday luncheons with an assortment of floral table arrangements. The luncheons will be continued each week, with all proceeds going into a building fund for the Maturango Museum.

Charge for the series of eight classes will be \$35 per parent, or \$50 for a couple, payable by the first class meeting.

Financial help is available for parents who are unable to assume all or part of the cost.

Anyone with questions should call Mrs. Nathan at 446-5586.

#### Gem, Mineral Club To Meet

The September meeting of the Indian Wells Valley Gem and Mineral Society will be held at the group's hut on Rowe St. on Monday, beginning at 7:30 p.m.

Featured speakers for the evening will be Sterling Ensley and Mike Robertson, local science teachers, who will report on a project they have been conducting concerning Mojave green rattlesnakes.

Ensley and Robertson have worked closely with Dr. Finley Russell of the USC Medical Center since the beginning of the project.

The "Pebble Pups," junior branch of the society, will meet from 5:15 to 7 o'clock on the same evening.

#### Dance Planned at COM

The Good Times Band will provide music for dancing at the Commissioned Officers' Mess on Wednesday, Sept. 25, and again on Friday, Sept. 27, from 9 until 1 a.m.

All members and their guests are invited to attend.

In addition, a WACOM Western Night has been scheduled on Friday, Sept. 27.

## SHOWBOAT

### MOVIE RATINGS

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

(G) - ALL AGES ADMITTED

General Audiences

(PG) - ALL AGES ADMITTED

Parental Guidance Suggested

(R) - RESTRICTED

Under 17 requires accompanying

Parent or Adult Guardian

CS - Cinemascope

STD - Standard Movie Screen

Regular starting time—7:30 p.m.

Matinee—1 p.m.

FRI. 20 SEPT.

"CONRACK" (104 Min.)

Jon Voight, Paul Winfield

(Human Interest Drama) Teacher Jon Voight departs tradition-ridden Beaufort, S.C., for isolated Yamacraw Island where he intends to teach a group of appallingly ignorant 5th to 8th grade children in a dilapidated schoolhouse. Voight clashes with the principal over discipline methods and becomes friends with Tina Andrews. (PG)

SAT. 21 SEPT.

"FAMILY MATINEE—

"MOSQUITO SQUADRON" (91 Min.)

David McCallum, Suzanne Xeve (G)

"EVENING—

"CONQUEST OF THE PLANET OF THE APES" (87 Min.)

Roddy McDowell, Ricardo Montalban

(Science Fiction) In a North American city-state in 1991, humans use apes as pets and servants until the animals organize an underground movement and take over the city. (PG)

SUN. 22 SEPT.

"UP THE SANDBOX" (98 Min.)

Barbra Streisand, David Selby

(Comedy Drama) Happily married and expecting her third child, a young woman imagines herself in more "fulfilling" occupations. (R)

MON. 23 SEPT.

"THE MUTATIONS" (91 Min.)

Donald Pleasance, Tom Baker

(Science-Fiction) Biology Professor Nolte (Donald Pleasance) seeks to provide the human body with the photosynthesizing capability of plants. Tom Baker provides Dr. Nolte with human specimens. A girl becomes the first victim of Nolte's attempts to create a plant-human mutation, and when she dies Nolte turns to a male student, Tony, successfully turning him into a plant-like creature. Tony escapes, seeks help and finally returns to kill Prof. Nolte. (R)

TUES. & WED. 24-25 SEPT.

"WHERE THE LILIES BLOOM" (97 Min.)

Julie Gholson, Harry Dean

(Drama) In the mountains of North Carolina live Rance Howard and his children. Although Jan loves well-to-do Harry Dean Stanton, the others hate him. Nursing Stanton's pneumonia, Julie has him sign a deed to the land. The sickly Howard dies and Julie takes over the family. Julie intends that Stanton will never marry Jan. The children pick herbs to support themselves and Julie sacrifices for her sisters and brother. (G)

THURS. & FRI. 26-27 SEPT.

"JOE KIDD" (88 Min.)

Clint Eastwood, John Saxon

(Western) Mexicans invade small New Mexico town, and fighting breaks out between them and powerful land owners. (PG)

Help Line Gp. To Observe

Fifth Birthday at COM

Help Line will celebrate its fifth birthday with a luncheon on Thursday, Oct. 3, at the Commissioned Officers' Mess.

The volunteer organization will elect new officers and board members during this luncheon and speakers will explain to those in attendance what Help Line is all about.

Reservations must be made before Monday, Sept. 30. The numbers to call are 375-2865 or 375-2849.

Cost of the lunch is \$2 per person. The menu will consist of avocado stuffed with chicken salad, or a Reuben sandwich, and a drink.

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

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

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# nwc rocketeer

Naval Weapons Center  
China Lake  
California

Sept. 20, 1974

Vol. XXIX, No. 37

## New Type Drone Used in Missile Tests

### Converted Aircraft Used in Simulation Of Aerial Combat

Improved air-to-air weapons and weapons systems have made it mandatory that corresponding improvements be made in targets against which to test such weapons under conditions that come as close as possible to simulating actual aerial combat.

Devising some of the ways and means of verifying that a certain missile will actually perform up to its expectations after being fired comes under the responsibilities of Curtis Bryan's Remotely Piloted Vehicle Project Office in the Surface Development Department's Technology Development Division.

One of the most recent such accomplishments of those who specialize in devising this "acid test" for the weapons is the QF86H drone—a converted F-86H Sabre jet—that is a highly maneuverable, remotely piloted vehicle (RPV).

High Performance Target This is the first time that a target of this capability has been made available to the weapons for test and evaluation of their products, it was noted by Vance Hansen, the QF86H program manager.

This aircraft, Hansen continued, can be flown by remote control as though a pilot was on board and target presentations can be made at speeds up to Mach .96 (nearly the speed of sound) under high G conditions.

In addition to the remotely controlled aircraft, the target system consists of a ground control station and a radar van. The QF86H is an interim target program, and limited logistics support was acquired from the Air Force.

#### Other Key Personnel

In addition to Hansen, key personnel involved in development of the QF86H remotely piloted vehicle are Jay Bornfleth, John Owens, Darwin Rice and Hal Schmeer.

These men designed and built the first two prototype aircraft, as well as the ground control system. The latter utilizes the capability of the MSQ-51 radar van, which had previously been in existence at the Naval Air Facility for control of other target aircraft.

A digital proportional control system

## Effort To Reduce NWC Rate Of Energy Consumption Continues

With warm weather nearing an end, and cooler weather ahead during the fall and winter, efforts are continuing unabated to reduce the Naval Weapons Center's overall energy consumption rate.

In comparison with the energy con-

sumption rate during the month of August 1972, efforts made this past month (in line with requirements set forth by the Chief of Naval Material that are aimed at alleviating the "energy crunch") achieved the following results.

According to Ltjg. L. S. Murphy, Public Works Department project officer, during August 1974, electric power use was down 4.9 per cent; use of natural gas in the housing area dropped 18.2 per cent; and industrial natural gas usage was cut by 13.8 per cent.

The largest reductions were reported in propane gas, which dropped by 45.2 per cent, and in diesel fuel use, which was down by 45.7 per cent. Also during the past month, fuel oil usage dropped 24.1 per cent, and gasoline consumption was less by 1.3 per cent.

In explaining some of the changes noted above, Ltjg. Murphy pointed out that the cutback in electric power usage has declined because of lights being left on extra long at baseball fields, and other areas.

### Fed'l Pay Raise To Go Into Effect Oct. 1

Members of the U.S. Senate yesterday rejected President Gerald Ford's plea to delay the 5.5 per cent raise for Federal Civil Service employees and military personnel.

The vote, 64-35 against the President's proposal, means that the raises will go into effect on Oct. 1, as originally scheduled.

Ford had proposed the delay in an effort to curb inflation, but those opposed to this action felt that the some \$700 million saved would have little or no impact on the inflation problem.



**SENT TO POINT MUGU**—Lcdr. Leroy Farr (at right), one of two pilots trained here in the knack of putting the QF86H remotely piloted vehicle through its paces from a ground station, recently flew the target aircraft to the Naval Missile Center at Point Mugu, where it will be used in weapons test work there. On hand when the transfer to NMC took place were Lcdr. John H. Gulley (second from left), NAF targets' officer; Jay Bornfleth, (at left) an electronic engineer in Code 31101, and Vance Hansen, the QF86H program manager. —Photo by PH2 D. W. Yeatts

implemented in an existing F86H cockpit located in the ground control station, Hansen explained. The operator, who must be a qualified aircraft pilot, uses all of the normal aircraft controls and watches a video presentation in addition to an X-Y plotter that give him the geographic locations necessary to fly the aircraft from the ground control station.

A standard TV camera provides the remote pilot with a 45 degree forward field of view.

As a safety feature, the remotely controlled aircraft is equipped with a destruct system in each wing.

The nose compartment of the QF86H drone houses avionics equipment, including an all-attitude gyro platform consisting of a gyro reference unit, an electronic control amplifier and a controller. When a loss of command signal occurs, the Flight Safety Electronics unit recovers the unmanned aircraft from any unusual attitude.

An automatic antenna switch provides maximum signal strength to the command-receiver decoder, which decodes the digital command signals. These signals are then relayed to the airborne interface unit, where they are converted to analog outputs for flight control. A telemetry transmitter is used for conveying to the ground station information necessary to remotely fly the (Continued on Page 3)

## Candidates Sought for Community Council

All terms of office of the present directors of the China Lake Community Council will expire soon, and a new board will be chosen at the same time as the next General Election coming up on Nov. 5.

Representatives will be elected for each of the nine Community Council precincts, in addition to one "at-large" representative. The areas included within each of the nine China Lake Community Council precincts are indicated by the numbers on the housing area map that can be found on the inside of the NWC telephone directory's back cover.

Members of the China Lake Community Council's board of directors



R. W. Murphy

## Two Outstanding NWC Employees Get NSAP Posts

R. W. Murphy and W. W. Baer, both long-time employees at China Lake, have been accepted to fill two of the current Navy Science Assistance Program assignments authorized by the Director of Navy Laboratories.

Murphy, head of the Systems Development Department's Weapons Systems Division, will be leaving on Tuesday with his wife, Virginia, for Taipei, Taiwan, where he will serve for a year as science advisor to the Chief of the Military Assistance Advisory Group.

Baer, the senior project engineer and associate head of the Telemetry Branch in the Test and Evaluation Department's Instrumentation Support Division, left this



W. W. Baer

past Tuesday for his new duties as an electronic warfare analyst at Ford Island on Oahu, where he has been assigned to headquarters of the Commander, 3rd Fleet.

Baer is being accompanied to the Hawaiian Islands by his wife, Hilda, and their four children—William, 15; Robert, 11; Loretta Marie, 9, and Anne Marie, 7.

Murphy will be the first NSAP (Continued on Page 3)

perform a number of important functions that affect NWC residents. These include: Providing one member on the two-man NWC policy board; sending two members to the three-member community hearing board, and administering the television and FM radio repeater stations.

All China Lake residents who are 18 years of age or over are de facto members of the Community Council, and are eligible to serve on the group's board of directors.

Those interested in seeking election to the board are asked to contact Don V. Stanton, by calling NWC ext. 6340 or 446-3764, or Natalie Harrison, phone NWC ext. 3575, as soon as possible.



CPO WIVES CLUB DONATE PJs. — Young Brian Emert models one of the 16 pairs of pajamas donated to the Pediatrics Ward at the NWC Dispensary recently by the Chief Petty Officers' Wives Club. Looking on (l.-r.) are: Capt. Wayland Bennett, NWC Medical Officer; Chris Emert, president of the CPO Wives Club, and Cdr. Frances M. Frazier, Chief of Nurses. Money for the sleeping apparel was raised by the CPO Wives Club through various community projects. The CPO Wives Club will hold a membership potluck dinner on Saturday, Sept. 21, beginning at 6 p.m., at 49-B Stroop Ave., China Lake. All wives of CPOs, and their husbands, are cordially invited. Reservations, however, must be made by calling Mrs. Emert, 446-4228. The event will be open free of charge to prospective members of the CPO Wives Club and their husbands. —Photo by PH2 Dan Yeatts

### New Policy on Pricing Inaugurated At All Navy Exchange, Commissary Stores

Effective immediately, a new pricing policy has been put into operation at all Navy Exchanges and Commissary Stores. So that the consumer thoroughly understands the change, the following information on the new policy has been received from the Navy Resale Office, Brooklyn, N.Y. When prices of resale items are increased, stock already on the selling floor will not be repriced. When prices of resale items are reduced, stock on the selling floor will be repriced at the new, lower price. When supplies of items marked with new (higher) prices are delivered to shelves—

merchandise cases, display cases—merchandise already on display at the old (lower) price will be moved to the front of the display space, and the items with the new (higher) price will be stocked to the rear of the space.

When a customer presents two or more units of an identical item marked at different prices at the checkout stand, the lowest price will be charged for all units purchased.

Signs explaining the new pricing policy will be displayed in a prominent place at all Navy Exchanges and Commissary Stores.

### The Rocketeer

Official Weekly Publication  
Naval Weapons Center  
China Lake, California

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DEADLINES: Tuesday, 4:30 p.m.  
Tuesday, 11:30 a.m.  
The Rocketeer receives American Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriate funds from a commercial firm in compliance with Navy Exces P25, 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.  
Phones 3354, 3355, 2347

### DIVINE SERVICES

PROTESTANT		
Sunday Worship Service		1015
Sunday School — All Ages		0900
Wednesday Noon Bible Study		1130
Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion Service first Sunday of the month.		
ROMAN CATHOLIC		
MASS		
Saturday	1700 fulfills Sunday obligation	
Sunday	0700 0830 1130	
BLESSSED SACRAMENT CHAPEL		
MASS		
Daily except Saturday		1135
First Friday only		1135 1635
Saturday	1545 to 1645	
Sunday	0800 to 0825	
CCD CLASSES		
Sunday	Kindergarten thru 8th grades	1015
Wednesday	Seventh and 8th grades	1900
Above classes are held in Chapel Annexes across from Center Restaurant.		
As announced		
Ninth thru 12th grades		
"In Home" Discussion Groups		
Monthly Youth Rallies		
Contact Chaplain's Office for specifics.		
JEWISH SERVICES		
EAST WING — ALL FAITH CHAPEL		
Friday 1st and 3rd ONLY — (Sept. - May.)		
Sabbath Services		2000
Saturday	Sabbath School	0900
UNITARIANS		
CHAPEL ANNEX 95		
Sunday	Services — (Sept. - May.)	1900

### 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 452, 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 454 or 457). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

**Supervisory Architect GS-808-13, or Supervisory Civil Engineer GS-810-13, PD No. 70036, Code 7073** — This position is that of head, Structural and Architectural Branch, Engineering Division, Public Works Department. Incumbent is responsible for all design performed by the branch relating to the structural and architectural aspects of new facilities and modification of old facilities. Job Relevant Criteria: Incumbent must have knowledge of structural and architectural design and layout. Must have experience in planning, budgeting and developing proposed construction programs. Incumbent must have a degree or its equivalent in the appropriate architectural or engineering discipline. Registration as a professional architect or engineer is required.

**Tile and Plate Setter Helper, WG-3604-05, JD No. 357-1, Code 70426** — Assists journeyman tile and plate setter in the laying and repairing of tile on walls and other surfaces in buildings using masonry tools, mortar, cement and various kinds of ceramic and metal tile. Promotion Potential: WG-10.

**Machinist, WG-3414-10, JD No. 382, Code 70423** — Performs all types of general machinist work involving machine tool operation and the assembly, installation and bench work required in the construction and repair of mechanical parts and assemblies. Works from blueprints, sketches, samples and verbal instructions.

**Machinist (Maintenance), WG-3519-10, JD No. 37-3, Code 70423** — Installs, overhauls, repairs, maintains, "alters as needed" machine shop equipment, power plant equipment, large fresh water pumping equipment, range testing equipment, cranes and hoists, high and low pressure pneumatic systems and equipment, hydraulic systems and equipment, hydraulic-pneumatic systems and equipment, sewage disposal equipment, steam engines, steam cleaners, internal combustion engines and also controls for above items.

**Automotive Equipment Serviceman, WG-5804-05, JD No. 142-3, Code 70763** — Performs semi-skilled work in connection with the routine maintenance and servicing of automotive equipment. Servicing with fuel, oil, water, air and anti-freeze; changing and repairing tires and tubes; servicing electrical equipment, checking brakes, fan belts, steam cleaning and miscellaneous duties.

**File applications for the above with Dora Childers, Code 457, Rm. 210, Ph. 2932.**

**Instrument Maker Leader, WL-3383-11, PD No. 7455145, Code 5546** — Position is located in the Machine Prototype Branch, Engineering Prototype Division of the Engineering Department. Duties include the engineering of work to subordinates, orienting new employees, insuring that material and equipment are available, informing supervisors of operating needs and liaison with customers. Non-supervisory work in the trade is also performed.

**Clerk-Typist, GS-322-4, PD No. 7455140, Code 5335** — Position is located in the RF/EMC Evaluation Branch, Product Design Division of the Engineering Department. Incumbent provides clerical and typing duties to branch personnel, acts as receptionist, maintains branch files, etc. Job Relevant Criteria: Must be a qualified typist. Ability to get along with others and ability to work under pressure.

**Welder (Process Development) Leader, WL-3738-11, or Heat Treater Leader, WL-3712-11, or Electroplater Leader, WL-3711-11, PD No. 7455144, Code 53482** — Position is located in the Metalworking Branch, Engineering Prototype Division of the Engineering Department. As a working leader, the incumbent supervises three or more employees in the welding, heat treating and electroplating trades. Duties include planning work sequences, preparing materials and equipment for subordinates, inspecting work for compliance with specifications, assigning priorities, training etc. Performs non-supervisory work in appropriate trade.

**Secretary (DMT), GS-318-5, PD No. 555011, Code 55202** — Position is that of secretary in the SW/Chaparral Program Office in the Engineering Department. Duties include screening of visitors/calls, making appointments, distributing and distribution of correspondence, drafting memos, composing correspondence, reports on statistical and informative material, performs basic editorial duties. Job Relevant Criteria: Thorough understanding of NWC, Navy and DoD correspondence, filing and security procedures. Proficient with dictating machine. Must be able to operate magnetic tape typewriter. Experience in dealing with variety of people. Ability to operate on own initiative and without much supervision.

**File applications for the above with Carol Downard, Bldg. 34 Rm. 204, Ph. 2925.**

**Electronics Technician, GS-856-11 or 12, PD No. 830007, Code 3731** — Incumbent will develop, design, modify, evaluate, calibrate, operate and maintain all electronic equipment in the telemetry ground station. Technically and typist duties include: preparing and reviewing drawings from GS-8 to GS-11; plans, directs and keeps current an improvement program for equipment used in the telemetry system. Job Relevant Criteria: Thorough knowledge of IRIG standards for telemetry data collection and recording is essential. Demonstrated ability to technically direct the efforts of electronic technical personnel. Familiarity with test data collecting techniques and the ability to write detailed progress reports is required.

**Test Range Tracker Helper, WG-05, JD No. 355-2, Code 3721** — Incumbent assists in tracking drones and other easily tracked airborne objects by operating photographic, mechanical, electronic and optical tracking equipment.

Will also assist in loading film magazines and moving instruments. Performs minor maintenance work. Helps to set up fixed cameras such as the Eastman Hi-speed. Promotion Potential: To Test Range Tracker WG-08.

**Visual Information Specialist (Printed Media), GS-1084-5 or 7, PD No. 7453045, Code 4341** — Incumbent will select photographs and other illustrative material that will enhance or emphasize points of text. Layouts will be illustrated. Will prepare individual page layouts in repro form under the direction of a senior specialist. Job Relevant Criteria: Knowledge of offset photolithography as it pertains to the reproduction of continuous tone or line out. Ability to work effectively with illustrators and cameramen. Awareness of publication policies. Promotion Potential: GS-11.

**Administrative Officer, GS-341-12 PD No. 7437050, Code 3702** — Incumbent serves as the Assistant Department Head for Administration, Test & Evaluation Department. Responsible for a variety of administrative and management services including planning, budgeting, personnel and financial management, training, management analysis and general administrative services. As the chief administrative advisor to the department head, the incumbent is the central administrative contact for the administrative operations of the organization. Job Relevant Criteria: Sound knowledge of DoD, Navy and Center administrative and management (especially financial, personnel and budget related) principles and procedures; high degree of initiative and decisiveness; ability to deal effectively with people of many disciplines (on and off Center); high degree of diplomacy and persuasive skills; ability to express himself appropriately both orally and in writing.

**Administrative Assistant, GS-341-5 or 6, PD No. 7437061, Code 3711** — The primary duties are to collect data for use in division projects, sequencing of divisional events, procurement, space management, reports management and contract administration. Job Relevant Criteria: Knowledge of funding principles; ability to work well with others; understanding of basic management fact gathering techniques; ability to express himself both orally and in writing.

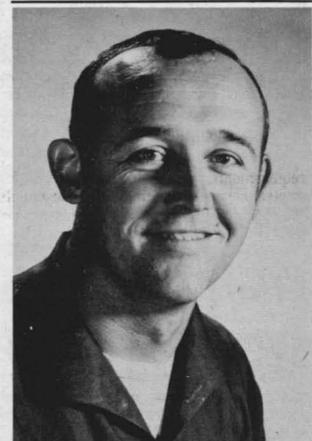
**File applications for above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.**

**Supervisory General Engineer, GS-801-13, PD No. 7433077, Code 3343** — Position is that of Head, Fuze Project Branch III in the Development Division II of the Fuze Department. The branch is responsible for the design and development of proximity fuze systems for guided missiles from design inception to the production of finished hardware. The incumbent will organize branch activities; plan and coordinate the direction of contractor efforts in his area; provide consultation and assistance in his area of fuze applications to both on and off Center personnel; and plan the budgetary requirements of his branch. Job Relevant Criteria: Experience in the design and development of guided missile fuzes. Ability to deal effectively with Center management, off-Center contractors and government sponsors. Ability to manage and coordinate the efforts of scientists and engineers engaged in development activity.

**File applications for the above with Clarie Lewis, Bldg. 34, Rm. 212, Ph. 2371.**

**Engineering Technician, GS-802-5 or 6, PD No. 7445077, Code 4523** — Position is located in the Environmental Engineering and Inspection Branch, Propulsion Development Department. Incumbent operates test instrumentation and equipment for vibration, shock, environmental chambers and performs safety tests on various ordnance items. Will be required to record the data, evaluate the test results and furnish test managers with necessary information on the test results. Job Relevant Criteria: Ability to work with electronic equipment, vibrator, shock machine to test ordnance items.

(Continued on Page 7)



**NEW COUNCILMAN — A01 Gary D. Beale**, ordnance supervisor at the Naval Air Facility, recently joined the China Lake Community Council board of directors as the representative from Precinct 9 (Wherry Housing). This is the second tour of duty at NAF for A01 Beale, who returned here last December from duty with Patrol Squadron 6 at Barber's Point, Hawaii. He previously served at NAF from October 1967 to April 1970. Desert Park residents who have questions or matters of interest to take up with the Community Council can contact A01 Beale at 326 Bonita St., ph. 375-5326. Regular meetings of the local civic group are held on the second Tuesday of each month, starting at 7:30 p.m., at the Community Center.



**REACHERS FLIGHT GOAL** — Lt. Mark E. Jacobson (r.), an aircraft division officer for Air Test and Evaluation Squadron Five, has reached the elusive goal of recording more than 1,000 hours of flight time in a Corsair II aircraft. Above, Arnie Vang, the LTV Aerospace Vought Systems Division representative at China Lake, presents the Naval aviator with the traditional engraved silver mug. Lt. Jacobson logged most of his A-7 time while attached to Attack Squadron 86 from 1971 to 1974, during which time he made three cruises aboard the USS America -- two to the Mediterranean and one in the Western Pacific. He has made 357 carrier landings and has flown 118 combat missions in A-7 aircraft.

### PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

Working knowledge of high school math and physics. Willing to actively pursue additional academic and specialized training.

**Clerk-Typist, GS-322-3 or 4, PD No. 7245107, Code 4512** — Incumbent types technical reports, technical notes and other correspondence (official letters and memoranda) generated in the division. Technical reports are typed from handwritten copy or transcribed from a dictaphone. Will perform secretarial and clerical duties for the branch. Job Relevant Criteria: Proficiency in the use of dictating machine and IBM Magnetic Tape Electric Typewriter is desirable. Familiarity with engineering/scientific terms.

**File application for the above with Mary Morrison, Code 457, Rm. 210, Ph. 2393.**

**Clerk-Typist, GS-322-3 or 4 or Personnel Clerk (Typing), GS-202-4, PD No. 7445015-1, Code 45** — Position is located in the Personnel Service Division of the Personnel Department. Incumbent performs the following duties for a major department(s): Processes all actions affecting appointments, promotion, change to lower grade, transfers, within-grade and quality step increases, pay adjustments, separations and conversion of appointments. Performs non-competitive qualifications ratings-processes classification actions and maintains associated files and records. Processes classification actions and maintains associated files and records. Processes claims for retirement, etc. Minimum Qualification Requirements: GS-322-3, one year of general clerical experience; GS-322-4, two years of general clerical experience; GS-202-4, one year of general experience and one year of specialized experience. Job Relevant Criteria: Qualified typist. Ability to comprehend and apply regulatory information such as FBM, CMMI's, SecNav Instructions, OCMAM Instructions, and NWC Instructions. Ability to provide limited procedural information in such areas as health insurance, life insurance, retirement and other areas related to personnel. Ability to deal tactfully with people. Advancement Potential: GS-6.

**Supervisory Personnel Management Specialist, GS-201-13, PD No. 446022Aml, Code 45** — Position is Head of a Personnel Service Division in the Personnel Department. Incumbent is responsible, through several subordinate personnel management specialists, for providing the full range of personnel management services to several technical/support departments. Incumbent will provide the more difficult management advisory service on the more complex personnel management practices/principles. Job Relevant Criteria: Experience in a generalist personnel organization or experience in all four functional specialties. Ability to apply a high degree of technical skill, knowledge and judgement to the personnel management functions in an R&D environment. Knowledgeable in and capable of relating the behavioral sciences to personnel administration. Advanced degree and/or evidence of continuing self-development desired.

**File applications for the above with Sue Prasolowicz, Bldg. 34, Rm. 208, Ph. 2577.**

**Clerk-Typist, GS-322-3 or 4, PD No. 7440745, Code 40101** — Position is located in the Procurement Staff of the Weapons Development Department. Incumbent provides clerical support to the head of the procurement staff. Duties include typing memos, forms, status, etc., receiving calls and visitors, filing, and receiving and distributing mail. Job Relevant Criteria: Must be a qualified typist. Must have telephone answering skills.

**Clerk-Typist, GS-322-3 or 4, PD No. 7440174, Code 4061** — Located in Aerothermodynamics Branch, Weapons Development Department. Performs a variety of clerical and typist duties such as typing notes and reports, correspondence, statistical tables, maintains files, answers telephone, receives visitors and prepares time cards. Performs duties for the branch head and other employees of the branch. Job Relevant Criteria: Demonstrated telephone reception skills, experience typing administrative and technical subject matter, reliability and dependability.

**File applications for the above with Charlotte Siewkowski, Bldg. 34, Rm. 204, Ph. 3118.**

**Budget Analyst, GS-560-5, PD No. 741047, Code 177** — Incumbent will be a budget analyst trainee in the Financial Analysis and Reports Division of Central Staff. Incumbent

will learn content, format and methodology of preparation of the Center's more complex financial reports. Researching existing financial history and exploring variables in order to construct statistical planning models for use in projecting 1 to 3 year plans is another function the incumbent will learn. Job Relevant Criteria: Knowledge of accounting principles, theories and methodology. College degree in liberal arts with course work in business or related area desirable. Ability to deal tactfully with a wide variety of people. Ability to work effectively and efficiently with minimum supervision. Promotion Potential: GS-11.

**File applications for the above with Elizabeth Sodergren, Bldg. 34, Rm. 206, Ph. 2676.**

**Job Opportunities**  
**Greenskeeper, 4 (3.12 P. h), One vacancy** — This is not a Civil Service Job. Position is located at the golf course, Special Services Division. Incumbent maintains grounds and turf of golf course in playing condition. Operates tractor to till, cultivate and grade new turf areas. Mows rough and fairway areas designated cut. May plant, trim and spray trees and shrubs. Must perform other duties as assigned. Minimum Qualification Requirements: 1 year work experience in related field. Must be in good physical condition and able to lift at least 100 lb. Must be able to drive and obtain a government license.

**File applications for the above with Tina Lowe, Bldg. 34, Rm. 206, Ph. 2723.**

**Upward Mobility Opportunity**

**Target Position, Computer Technician, GS-355-5 or 4, PD No. 7445075, Code 4521** — Position is located in the Ballistic Test Branch, Skytop Static Test Complex, Propulsion Development Department. Incumbent will be trained and assure responsibility for data handling - determining and properly utilizing the computer programs that will most efficiently and accurately produce the designed data display. He/she will work with large quantities of detail numbers; transform data to usable engineering information; determine the critical processing techniques for tests. Job Relevant Criteria: Interest/experience in working with quantitative material; self-development efforts; ability to deal with people/effectiveness in work relationships; ability to follow guidance and to learn new things. Advancement Potential: GS-9.

**File applications for the above with Mary Morrison, Code 457, Rm. 210, Ph. 2393.**

### Employee In The Spotlight

If the political affairs of Venezuela had not been slightly muddled in 1958, the Naval Weapons Center would have lost the services of one of its better-known employees — Crill Maples.

Following his graduation from Oklahoma State University at Stillwater in 1958, Crill was offered a choice of jobs — one at China Lake and the other for an oil company in Venezuela. "I really wanted to go to South America, but there was a revolution taking place in that country, so I opted for China Lake. I've been here ever since," Crill explained.

Now head of the Propulsion Development Department's Quality Assurance Division, Crill began his Civil Service career as a junior professional with Code 40. In August 1959, during his year as a JP, Crill worked on the ABL X-248 motor and performed tests and vibration analysis of the Caleb vehicle. In the two ensuing years, he worked with C. W. Bernard on a nozzle for the NOTS Mod 500 motor as well.

#### First Week a Hectic One

"The first job I ever worked on at NWC was with Charlie Bernard. He came to get me at 5 a.m. on my very first day on the job, and I never got home again for a week. That was in conjunction with work on the NOTS I. I was indoctrinated right away on the crash methods of NWC, famous all over the world at that time," Crill remembered.

In March 1962 he was made section head of Code 4573, and in October 1963, Crill was promoted to head of the Systems Design Branch. He became head of the Quality Assurance Division in March 1964.

During his work career, Crill originated the CERBERUS program, and was once the project engineer for Sidewinder missile propulsion, in addition to working on dozens of other projects.

Recently, Crill wrote a document stating the philosophy that will soon be adopted by the Naval Air Systems Command on tailor-making weapons systems to the environment of their proposed usage.

#### Heads Important Panel

"This is much in line with my duties as head of the Center's Environmental Qualification Review Panel," Crill explained. "There is no such thing as a world-wide weapon. It will be the policy of the Center to review the environmental aspects resulting from the usage and logistics flow of each weapon system, and an environmental and environmental safety qualification program for the total weapon system will be developed, based on this information. At least, it will be in NAVAIR," Crill added.

Crill, who was born in Tulsa, Okla., comes of Cherokee Indian stock. His first name is handed down through generations from his Indian heritage. "I never knew the



Crill Maples

meaning, however," he said. "My grandmother's parents migrated to Oklahoma in the mid-1800s over the infamous Trail of Tears, and the name has been in the family for about eight generations," he added.

Crill's grandmother donated land to Oklahoma where the famous Cherokee chieftain, Sequoia, was living when he finished the Cherokee alphabet, near Sallisaw, Okla. "There's a monument on the site, now," he noted.

#### Big On Trapshooting

Crill's hobby of trapshooting fits in with his Indian ancestry. In 1973, he finished as runner-up in Class D of the state championship shoot, and this year he was runner-up in Class C of that event. "We go all over to compete in the big shoots," Crill said, noting that his wife, Theresa, and daughter, Terry Lynn, 14, have also taken up the sport.

Crill and Theresa, whom he met in Missouri while he was with the U.S. Air Force, have one other child, Byron Crill, 10. "Theresa went to school here at China Lake before her family moved to Missouri. She is the daughter of Frenchy Potier, well known around here," Crill pointed out.

Crill is presently a member of the Indian Wells Valley Skeet and Trap Club, and served last year as vice president of the organization. He has assisted Eva Bien with the Center's Alcoholism program, and sits on a great many Center boards and panels.

He is the Center's point of contact in the Navy's Explosives Safety Program, and is a consultant to the Low Temperature Requirements Committee for the Air Force's Rocket Propulsion Laboratory.

In addition, he was recently chairman of the Navy Tactical Missile Environmental Program workshop, and he's currently aiding the DDR&E Engineering Technology Office in forming a JANNAF Working Group on Operational Serviceability.

### Desert Art League Schedules Visit By Southland Artist

Hilda Mohle Morris, of San Bernardino, will discuss creativity in painting at the first meeting of the Desert Art League on Monday at 7:30 p.m., in the Community Center.

Mrs. Morris, who is the former art critic for the San Bernardino Sun-Telegram newspaper, will illustrate her discussion with slides and bring along an exhibit of 12 of her traditional and contemporary paintings. She is a past president of the San Bernardino Art Association, the organizer of Women Painters Seven (an art club), head of the art department at Valley State College in San Bernardino (now retired), and has painted murals for St. Catherine's Church in Rialto.

All interested persons are invited to attend. Membership in the Art League is open to all.



**SUPERVISORS RECEIVE SAFETY AWARDS** — James F. Peck (l.) and Floyd L. Maxwell (c.), are congratulated by Cdr. James L. Uhe, Acting Public Works Officer, after being presented with certificates denoting multiple years of supervision without a work-loss accident in their respective responsibilities. Peck, who celebrated 19 years of accident-free supervision as a leader of operating engineers and crane operators and riggers, began working at NWC in October 1945. He was with the Supply Department until joining PW in 1960. Maxwell, a general foreman in the Metalwork Shop, has put in 23 consecutive years as a supervisor in that area without an accident in his balwick. He first came to work at the Naval Weapons Center in May 1948. —Photo by Maurice Dias



By Jack Lindsey

"I needed something to make me mad before I really got going. The poor sportsmanship of a few of the golfers at the club got back to me when Tom and I made the turn on Sunday, and it was just what I needed."

Bob Hooper was talking about his victory with his partner Tom Short in the CPO Golden Anchor golf tournament last weekend.

"Everybody seems to think that Tom wins these tournaments for us, and that I just add insurance for his low scores. Well, I'll tell you something, I shot a 75 on Sunday without picking up once, and I recorded a 35 on the final nine holes after some of the comments got back to me," he noted.

"One fellow even said that Tom and I should be penalized because we play so well together. Have you ever heard anything more ridiculous?" Hooper asked.

He Wants to Win

Frankly, I haven't. I'm quite sure that everyone who enters these things with the idea of WINNING, does pretty much the same thing as Hooper and Short. Every good golfer, (which Hooper is) attempts to team up with a high handicapper, but it's usually the good golfer who dominates the scoring. Max Smith and Bill Payne are another good example. They finished with 125 net, most of which was Smith's own ball. His partner never recorded a single par on Sunday.

Short was knocked down to a 16 handicap following his devastating scores of 79 and 81 in the Invitational golf tournament earlier this year. However, Hoop had something to say about that, also. "Tom recorded those scores because he picked up on a great many holes and took the same score as mine. He was also very lucky. I think all of this points out to the poor sportsmanship of some of the club members who should know better. I can't help it if some of the teams come in three and four strokes over par net. They should learn to play better," Hoop pointed out.

Has Fierce Desire

Most of Hoop's victories have come because of his fierce desire to win. The Catbird said, in this column during the Club Championship golf tournament, that Hoop was virtually undefeated in match play. And so he is. He has only lost once in match play in three years in the intramural league, and he's never lost in the Club Championship. Pretty good for a guy who took up the game at the tender age of 38.

"I don't know what there is about a piece of iron (trophies), but when there's one on the line, I like to win. Elaine (his wife) has a closet full of them. If I could have won this tournament by 50 strokes, I would have liked to have done that," Hoop concluded.

I will admit that I made a few comments about Short in public after the Invitational, and I hereby apologize. I was wrong, and so are the others who think they're both a couple of sandbaggers. Short got out of a hospital bed to play in this tournament, and he may be back in it by the time of this writing, such is his desire to compete and win.

Let's face it—they're both a couple of champions. Well done, fellas.



**TEAM NO. 4 WINS DIVISION ONE** — Bill Erwin (c.), of Team No. 4 in the Two-Man Volleyball League's Division One, smashes a shot that was blocked by John Saitz, of Team No. 5 (l.). Vern Powell (in white), Erwin's teammate, is ready to return the ball if it comes his way. Team No. 4 won the division and is now entered in the four-team playoffs to determine the champion. Saitz's team came in third and also is entered in the playoffs. His teammate (not shown) is his wife, Dorothy.

**Team 4 Tops Volleyball League Division One**

Division One of the Two-Man Volleyball Intramural League has concluded season play, and Division Two will wind up on Tuesday.

Playoffs were started last night between the top four teams in Division One. They are Teams 4, 3, 5 and 6.

Team No. 4 garnered first place in Division One. Its members are Vern Powell, Bob Conroy and Bill Erwin. Team No. 3 is composed of John Robbins and Tom Seufert, while John and Dorothy Saitz compete on Team No. 5. Making up Team No. 6's roster are Frank Santon and Bob Englehart.

The team of Jerry Kissick and Duane Fojt is leading Division Two, with Tim Higgins

and Bob Smith in second place. Bill McBride, Roy Miller and Bill Webster are in third place, while Bob Berry and Frank Koons hold down the fourth place slot.

**NWC Varsity**

Practice for the NWC varsity volleyball team will begin soon, and Wilt Wyman, supervisor of athletics and youth programs at NWC, is looking for both military and civilian players for the upcoming season.

The varsity team will compete in both the Mojave Desert Inter-Service League and Class "A" tournaments in Los Angeles.

Interested persons should contact Kissick by calling 446-6760, or Wyman, at NWC Ext. 2334.

**BHS Varsity Footballers Open Season Tonight in Bakersfield**

The Burroughs High School varsity football team will open its season tonight in Bakersfield with a pre-league game against Bakersfield High School. The Drillers began their season last week with a 9-7 victory over Garces High School.

Coach Bruce Bernhardt has chosen Kevin Smith, returning letterman from last year's squad, to lead the team at quarterback. Aiding Smith will be Steve Blanche, at tailback, and Mark McDowell, in the fullback position. Steve Paine will run out of the slotback spot.

Starting linemen will be Dan McCrumb, at center; Glenn Mosley and John Goodell, as guards; Todd Sorbo and Keith Barron, tackles, and Randy Mather and Mike Hicks, ends.

A second pre-Golden League game will be played on Saturday, Sept. 28, when the Burros will host Santa Maria. On the following Friday (Oct. 4), the Burroughs

**Western Columbia Bowlers Lead Race In Premier League**

After two weeks of competition, the Western Columbia bowling team, (5-1) led by R. C. Jones, is ahead of three other squads in the Premier Bowling League by one scant point.

George Barker's Saddleback Sales team, Keith Morgan's NAF squad, and Bobby Kochman's Thad's Pro Shop representatives are all tied for the runner-up spot with identical 4-2 records.

In the first two nights of bowling this fall, a number of fine scores have been recorded, led by Art Karrer's 651 series on the opening night. Jim Wright recorded a triple-200 and a 625 series, and Chuck Cutsinger notched a 618 triple-game set.

Last Monday night, Jim Bowen turned in a triple-200 series, totalling 608 for the three games.

High varsity gridders will open the Golden League season against Barstow, at home.

Quartz Hill will be the next opponent in a game played there, and the Burros will follow that up with Palmdale at home, and against Victor Valley in Victorville.

Kennedy High School will come to Burroughs, followed by two games on the road at Antelope Valley in Lancaster and against Apple Valley. All league games are played on Friday nights.

**Sign-ups Under Way For Swim Classes At NWC Gym Pool**

Registration began earlier this week and is continuing at the Center gymnasium between 9 a.m. and 2 p.m. for a group of swimming lessons that will be available for men, women, children and tiny tots beginning Monday.

Adrienne Swinford will be in charge of the swimming instruction, assisted by Heather Thompson and Roland Swanson. In those instances in which enrollment is limited, only between 6 and 10 students will be accepted.

The days of the week that the classes are offered, the time, who may attend, and the fees to be charged are as follows:

**Monday:** 1-2 p.m., advanced lessons for women, \$10; 3:15-4 p.m., children 7 and 8 yrs. of age, limited enrollment, \$8; 4-4:45 p.m., children 8 to 10 yrs. of age, limited enrollment, \$8; 5-6 p.m., men's swim lessons, \$10; 6-7 p.m., women's swim lessons, \$10.

**Tuesday:** 9-9:30 a.m., tiny tots 6 to 17 mo. of age, \$6; 9:30-10 a.m., tiny tots 1 1/2 to 2 1/2 yrs. of age, \$6; 10-10:30 a.m., tiny tots, 2 1/2 to 4 yrs. of age, \$6; youngsters 5 yrs. of age, three limited enrollment sessions from 10:30-11 a.m., 1-1:30 p.m. and 1:30-2 p.m., \$8.

**Wednesday:** Beginners' swim lessons for women, 1-2 p.m., \$10.

**Hooper-Short Win Golden Anchor Golf Tourney With Ease**

Bob Hooper and Tom Short, who have put it all together many times in the past, finally added the CPO Golden Anchor golf tournament to their list of victories.

Scoring with best-ball-of-partners rounds of 60 and 61, the dynamic duo combined to shoot a total score of 121, good enough to win the tourney by three strokes over Joe Stricheck and Dick Davis.

The same pair won the Invitational Tournament earlier this year, and have notched a few other victories over the past five years—both at China Lake and while playing in tournaments at other cities.

Stricheck and Davis tied the low round of the day (61) on Sunday to squeak into second place, one stroke ahead of Max Smith, current golf club champion and his partner, Bill Payne. Smith and Payne were tied with Hooper and Short, and Leo Maki and Wayne Jackson for the first round lead following play on Saturday. The three teams recorded scores of 60 net after 18 holes.

Maki and Jackson finished fourth after shooting a round of 66 on Sunday for a total of 126. Bill Sorbo and Frank St. George, and the team of Bud Eyre and Jim Anderson finished with identical 127s, good for a fifth place tie.

Three teams recorded two-day totals of 128 to conclude the net prize list. They were the duos of Chris Peterson and Keith Becker, 64-64; Vince Villa and Elmer Davis, 64-64; and Jim Darwin and Larry Cardinal, 62-66.

**Low Gross winners**

Curt Bryan and Dick Clay won the low gross honors in a sudden death playoff against Pete Rice and Ed Brooks for the two teams tied with scores of 144 (even par) at the end of the regulation 36 holes.

Clay, who reached the No. 1 green in two shots, missed an 8 ft. eagle putt, but sank the birdie tap-in for the win.

Hooper, who hit last on the No. 1 tee Sunday, nosed out Luke Thomas for the long drive contest, smashing his tee shot approximately 270 yd. Closest to the pin honors were won by Dick Davis, who put his tee shot about 2 ft. from the flag on No. 6.

Winners were awarded gift certificates redeemable at either the Special Services' pro shop or at Adam's Den, a men's clothing store in Ridgecrest.

**Fall Tennis Tourney Planned in October**

The Fall Open Tennis Tournament, sponsored by NWC's Special Services and the China Lake Tennis Club, will be held on Oct. 19-20, and Oct. 26-27.

Consolation rounds in men's and women's singles will be held for the first time, as will an intermediate men's singles division.

The tournament is open to all residents of the Indian Wells and Searles Valleys. Entries will be accepted at the Center gymnasium, beginning on Oct. 1.

**Flag Football Deadline**

Today is the final day to sign up for flag football. Three teams have been entered in the proposed Flag Football Intramural League, and a fourth is needed before the league will become a reality.

Men thinking about playing should contact Wilt Wyman, by calling NWC ext. 2334; T. J. Searcy, ext. 5369, or Benny McCargo, ext. 5203.

**Female Bowlers Needed**

Chris Emert, secretary of the "Ding-a-Lings" bowling league, which meets on Thursday mornings at Hall Memorial Lanes, reported that the league is seeking bowlers.

Wives of active or retired military personnel are eligible to bowl in this league. Any interested person should contact Mrs. Emert by calling 446-4228. The league will begin play on Sept. 26.



**EMPLOYEES SHARE PATENT AWARD** — R. M. Hillyer (at right), head of the Fuze Department, examines a "Digital Integrating Accelerometer" that was invented by Steve Redmond (at left) and Matt Anderson, two of the employees in his department. Redmond divided a \$100 patent award for this device, which is a safety and arming system that provides for digital electronic integration of an acceleration signal for generating a digital signal as a measure of distance traveled during the period of acceleration. This device, which can (for example) be used in missiles, represents a significant improvement over present mechanical devices, for it has the advantage of providing a digital electronic safety and arming system in which the final step of arming is achieved by a fail safe procedure —Photo by Ron Allen

**Murphy, Baer Get NSAP Posts...**

(Continued from Page 1)

aircraft as though a pilot was on board.

The first successful flight of the QF86H, an air-combat maneuvering, all-attitude target system, occurred at the Naval Weapons Center on March 30, 1973. Many other unmanned flights have been accomplished since then.

The total program calls for converting 29 aircraft that will be used to provide realistic target presentations for weapons systems test and evaluation. All of the conversion work is being done here by a contractor and NWC personnel.

To date, seven QF86Hs have been converted, but two were expended purposefully as missile targets and one of the RPVs was transferred to the Naval Missile Center at Point Mugu. NWC personnel built their own ground station according to documentation provided by China Lake.

As of mid-August at China Lake, there had been 10 target presentations with the QF86H for the following programs: four firings of the Sparrow AIM-7F; four firings of the Sidewinder AIM-9L, and two firings of the Sidewinder AIM-9H.

With respect to missile test and evaluation requirements, the QF86H has demonstrated several significant improvements over other target aircraft and drones, according to Lt. Col. M. D. Hall, USAF, Project Officer in the Systems Development Department.

**Sociology of Crime, Delinquency Subject Of Ext. Div. Course**

A UC Santa Barbara Extension Division course, entitled Sociology of Crime and Delinquency, will be offered at the NWC Training Building, beginning next Tuesday evening.

The course, which will be taught by Charlie F. Stowell, program administrator for the California Department of Corrections at Tehachapi, will be held on Tuesdays, from 7 to 10 p.m., through Dec. 10.

A 4-unit course, it is intended for law enforcement personnel and persons working in related fields. Among subjects to be covered will be theories of the genesis of delinquency and crime, and factors in the organization of delinquent and criminal behavior. Persons interested in enrolling can make arrangements to do so by calling Annette "Suzie" Karrer, the UC Santa Barbara Extension coordinator for the Ridgecrest-China Lake area, at 446-5885.

**New Target Drone Developed...**

(Continued from Page 1)

representative assigned to Taiwan, and will be working with the Joint U.S. Military Assistance Group headed by Major General Slade Nash. He is going to the Far East to handle an assignment that will be connected primarily with shipboard weapons, and his function will be to furnish on-the-spot technical assistance and prototype equipment.

Murphy's background for this work was initiated here 24 years ago with training in mechanical engineering, but for the past 18 years he has held increasingly responsible supervisory positions.

**Varied Work Experience**

Over the nearly 2 1/2 decades that he has been at China Lake, Murphy has been involved in designing test vehicles for the Supersonic Naval Ordnance Research Track (SNORT) and worked on shipboard digital fire control programs for the old Test Department.

More recently, his work with the Weapons Systems Division in Code 51 has been in the field of air-launched weapons.

Baer's special assignment is to serve as an expert on electronic warfare to the 3rd Fleet. He will do this by acting as an analyst on many of the Fleet's projects in the EW area, and will be deeply involved in the planning of 3rd Fleet exercises that call for his expertise in electronic warfare.

Baer, who first came to China Lake nearly 20 years ago, has gained special knowledge in this field as the result of his involvement with a variety of Naval equipment systems. For four years he led a group in the

**Word Received Of Death of Former Scientist at NOTS**

Information was received this week at the Naval Weapons Center about the recent death of Dr. Wallace R. Brode, 74, one of the senior scientists here during the early days of the Naval Ordnance Test Station (now Naval Weapons Center).

Dr. Brode, who died on Aug. 10 at George Washington University Hospital in Washington, D.C., served as head of the Science Department (predecessor to the Present Research Department) from 1945 to 1947. He left China Lake to become associate director of the National Bureau of Standards.

Dr. Brode, president of the American Chemical Society, was a pioneer in the modern methods for using light to analyze elements and compounds. His career included broad experience in research, education, government and industry.

**Reservations Due For Luncheon Talk By RAdm. Freeman**

All those persons who plan to attend the luncheon on Tuesday at which RAdm. R. G. Freeman III, NWC Commander, will speak, are advised that reservations must be made no later than tomorrow.

Tickets, priced at \$3 per person, can be ordered by contacting Jim Serpanos, NWC ext. 3340, or Bill Standard, at ext. 2257.

RAdm. Freeman's subject will be "Concepts of Weapons Systems Acquisition" during the luncheon sponsored jointly by the American Institute of Aeronautics and Astronautics, the Desert Area Branch of the American Society of Civil Engineers, and the China Lake Chapter of the American Society for Public Administration.

**Indoctrination Offered In Handling Explosives**

A general indoctrination course for training in the certification process for employees who perform or supervise tasks involving ammunition, explosives or explosives devices has been scheduled on Oct. 7 and again on Oct. 21 at the Safety Department Building.

Employees interested in this course must submit an NWC enrollment form directly to Code 22 no later than Monday, Sept. 30.

development of equipment for airborne countermeasures, and was responsible for providing test equipment and technical support to VX-5 in the operational evaluation of electronic warfare equipment that was tested at Echo Range.

In addition, as a member of the operational staff at Echo Range, Baer helped to set up and conduct some of the early experiments there; worked on a digital ranging system for the Talos Fire control system, as well as on satellite system ground stations. At one time, he operated an NWC-developed satellite tracking station in Alaska.

Other work performed by Baer that has been valuable preparation for his role as an electronic warfare expert to the 3rd Fleet includes serving as the technical manager on a contractor-developed military satellite system used to identify aircraft by employing radar techniques.

There are still some Navy Science Assistant Program assignments that are open, Frank Buffum, the Center's NSAP coordinator, reported. In most cases they call for someone who holds a GS-15 or above rating, but occasionally (depending upon the individual's qualifications) a lower graded employee will be accepted. Interested employees should contact Buffum by calling NWC Ext. 2419 or 2006.

**Close Rapport Developed**

One intent of the NSAP field assignments is to develop a rapport between the operational forces and the Naval laboratories. Those selected for NSAP science advisor posts can provide a quick response NAVMAT laboratory program to select Navy and Marine Corps commands.

The commands to which they are assigned benefit by having on-site experts in various fields who can try out both hardware and tactics during their tours of duty.

NSAP science advisors also are expected to provide quick response assistance in times of crisis, and the problems which they encounter in the field lead to a more educated R&D community that will be geared to keeping equipment simple and trouble-free.

**Figures on Lost-Time Accident Sign Drop**

The figures recording the number of days worked at the Naval Weapons Center without a lost-time accident underwent another revision recently as the result of the mishap that occurred on Aug. 21.

According to a Safety Department spokesman, it wasn't known until last week that a Public Works Department painter who fell off a scaffolding would be off work as a result of a knee injury.

It turned out later, however, that he also had to be treated for a concussion.

The number of days worked without a lost-time accident at the Center is posted on a sign at the corner of Blandly Ave. and Knox Rd.

**PG&E Workers To Check Gas Line Installations**

The work of converting from the use of propane to natural gas in Desert Park (the Wherry housing area) has been completed by PG&E employees, Cal Fallgatter, head of the Public Works Department's Housing Division, reported Wednesday.

So it will come as no surprise to anyone, Fallgatter also stated that Desert Park residents can expect to see PG&E employees, who have keys to the residences, entering homes for one final check to make sure that everything is in operating order.

**Anti-Abortion Gp. To Meet**

A meeting for local residents interested in becoming members of the Right to Life League of Southern California will be held next Wednesday, Sept. 25, starting at 8 p.m. in the multi-purpose room of Las Flores School in Ridgecrest.

The program will include a presentation of film slides on fetal development and abortion.



**IN APPRECIATION** — On behalf of Rear Admiral R. G. Freeman III, NWC Commander, a letter of appreciation was presented recently by Dr. Russell Reed, Jr., (at left) head of the Propulsion Development Department's Applied Research and Processing Division, to Jack Pakulak. The latter, who heads the Thermal Research Branch in Code 45, was commended for providing test data that simulated conditions of the railroad car explosion at Roseville, Calif., and enabled the Navy to establish the probable cause of the accident.

# Results of Incentive Awards Program Reported

Results of the Naval Weapons Center's Incentive Awards Program for the period from July 1, 1973, through June 30, 1974, were made available recently by the NWC Personnel Department.

The various categories of awards covered in this report were Beneficial Suggestions, inventions, Superior Achievements (mostly group awards), and Sustained Superior Performance Awards.

During Fiscal Year 74, 228 employees submitted ideas for Beneficial Suggestion awards. Of this total, 41 were adopted that resulted in estimated tangible savings of \$319,138 during their first year of use.

The employees who submitted the Beneficial Suggestions received cash awards totalling \$4,835 for their efforts.

In the field of inventions, 135 were presented during the past fiscal year to employees whose ideas brought them a grand total of \$14,850; \$15,945 was received by 53 employees who earned Superior Achievement Awards, and the group of 87 employees who were presented Sustained Superior Performance Awards pocketed \$20,450 for their exceptional efforts.

The summary of Fiscal Year 74 Incentive Awards at NWC include four awards that

were in excess of \$1,000.

A Beneficial Suggestion award of \$1,245 was presented to Howard M. Forrester, an electronics engineer in the Fuze Department's Development Division II. His suggestion resulted in tangible benefits to the government in the amount of \$180,711.

Ten other NWC employees shared in a Superior Achievement Award of \$1,500 that resulted in tangible benefits of high value and general application. They were Margaret L. Mavis, Almer B. Galloway, Richard N. Oehlberg, Gregory D. Peterson, Floyd C. Richards, William C. Tonkin,

Melvin H. Keith, Harry R. Bliss, Rex N. Randolph and George F. Stillwell.

Another Superior Achievement Award of \$1,500 was divided among Vance L. Hansen, John L. Owens, Jay W. Bornfleth and Hal Schmeer. It, too, resulted in tangible benefits to the government of exceptional value and broad application.

In addition, an award of \$1,200 was presented to three inventors—Darrell A. Bymoen, Donald G. Quist and Gaylon L. West.

The various awards presented, and the recipients (by department) were as follows:

- BENEFICIAL SUGGESTIONS**
  - SAFETY — T. T. Chapman.
  - SUPPLY — Marvin R. Cornelius and Fred V. Truster.
  - FUZE — Patricia M. Emerson and Howard M. Forrester.
  - PROPULSION DEVELOPMENT — William L. Black.
  - ENGINEERING — William R. Matteson and Donald R. Wittenbrink.
- RESEARCH** — Margaret A. Chandler, Nancy L. Lamson and Betsy E. Eggleston.
- PUBLIC WORKS** — James B. Asher, Robert J. Babines, Joseph O. Cron, H. M. Linsea, George Perrige, Michael J. Albers, Milton L. Blowers, Jerry D. Brooks, David A. Cane, Jack L. Tipton, Al C. Craver, Vernon T. Fava, J. N. Frye, Dennis T. Garrett, Ronald W. Harp, James M. Lawson, J. D. Morse, B. W. Llewellyn, Ernest D. Loscar, Edmund W. Meisinger, Carl A. Nyholm, Bill Richardson, K. W. Smith, J. R. Todd, Jimmie D. Upson and L. N. Lathrop.
- SECURITY** — Antonio Delacruz.
- SUPERIOR ACHIEVEMENTS (INVENTIONS)**
  - NAVAL AIR FACILITY — Lloyd J. Holt, Harry L. Myers and Gordon F. Zurn, Jr.
  - SURFACE MISSILES — Darrell A. Bymoen, Robert E. Swallow, Gaylon L. West, Carl H. Morley, Lohr A. Burkardt, Richard M. Smith and Lyman F. Van Buskirk.
  - FUZE DEPARTMENT — Matthew E. Anderson, James E. Means, Stephen L. Redmond, Everett M. Bens, Richard G. Brophy, Theodore N. Bryla, Herbert A. Bulgerin, Robert L. Conner, Charles A. Roberts, Frederic L. Menz, William G. Finnegan, Lohr A. Burkardt, William B. McLean, William S. McEwan, Edward W. LaRocca, C. Robert Hamilton, David C. Haupt, Walter F. Smith, Carl A. Heller, Herbert P. Richter, Jerry O. Jones, Michael R. Osburn, Carl B. Lindsey, Joe A. McKenzie, Bennie D. Macomber, Eldridge A. Williamson, Anthony Estrada, William R. Magorian, John S. Markall, James C. Rudeen, Wilbur B. Lunt and Thomas B. Whiteley.
  - ELECTRONIC SYSTEMS — Darrell A. Bymoen, Donald G. Quist, Gaylon L. West, Richard S. Hughes, Robert E. Atkinson, Joseph A. Mosko, Robert G. Corzine, Donald W. Peterson, Werner Hueber, Pierre St. Amand and Frank St. George.
  - TEST AND EVALUATION — William C. Griffin, Lynnwood Baker, Kenneth R. Foote and Gary F. Hartman.
  - WEAPONS DEVELOPMENT — David W. Kermdo, Robert G. Sewell and Carl C. Halsey.
  - PROPULSION DEVELOPMENT — George W. Burdette, Dean H. Couch, Milton K. Burford, Vernon D. Burkund, Joseph A. Schmidt, Michael D. Jacobson, Paul E. Cordle, C. T. Johnson, James K. Brown, James P. Diebold, Arthur J. Dierolf, Robert B. Dillingier, W. J. Stone, Howard H. Payne, Charles W. Falterman, Fred Mead, Wallace E. Silver, Pearlie S. Wiggins, William J. Griffith,

- Perry L. Fletcher, C. Douglas Lind, James A. Bowen, Larry H. Josephson, Alvin S. Gordon, Harold J. Grytling, Kenneth R. Foote, Michael Mamula, Joseph W. Hanzel, Warren P. Froehner, Robert J. Gere, George S. Handler, George A. Hayes, Lawrence E. Kapinos, Martin H. Kaufman, Bernard Wasserman, Howard W. Kruse, Richard A. Breitengross, Donald W. Lockwood, Herbert D. Mallory, Charles M. Martin, Cecil A. Glass, Melvin J. McCubbin, Clifford T. Johnson, C. V. Nakaiishi, Michael R. Osburn, R. L. Merron, E. C. Julian, B. Eldridge, G. B. Rice, R. L. Dow, C. R. Rodgers, B. O. Stull, Robert Meyers, Frank Crescenzo, Donald Miller, James L. Murray, Lawrence M. Sires, Paul L. O'Neill, Juan F. Hooper, Jack M. Pakulak, Jr., Edward A. Panella, John R. Peoples, Henry T. Sampson, Dino Sbrocca, William J. Stone, M. Frank Pickett, Michael J. Ripley, LeRoy M. Stanyon, Ronald F. Vetter, George F. Sieg, Howard W. Gerrish, Jr., Irvin F. Witkoski, Elmer J. Rhyn, Frederick A. Emerson, Jr., William H. Thielbahr, Stanley E. Wood, Richard J. Zabelka and Lloyd H. Smith.
- SYSTEMS DEVELOPMENT** — James L. Jernigan, Thomas F. O'Neill, James B. King, Douglas M. Turner and Donald Quist.
- ENGINEERING** — Henry F. Blazek, Charles W. Cutlinger, Gary E. Castor, Alton P. Elder, Vincent J. Taylor, George H. Gill, Robert E. Hunt, Kenneth L. Moore, Daniel Merz, Jr., Paul Mikonis, Leslie P. Robison, Wayne G. Zellmer and Marvin E. McGowan.
- RESEARCH** — Arnold Adicoff, William G. Finnegan, William M. Ayres, William R. McBride, Edmond J. Ashley, Donald L. Decker, Jean M. Bennett, Carl F. Austin, Carl C. Halsey, Harold E. Bennett, Nicholas Botka, Lynn D. Hutcheson, L. A. Burkardt, F. Kirk Odenkrantz, Pierre St. Amand, Charles D. Stanifer, Richard S. Hughes, Keith L. Gardner, Howard A. Wilcox, Karl J. Kraeufel, Edward W. Price, Herbert D. Mallory, William S. McEwan, Peter R. Hammond, William P. Norris, H. Bernard Mathes, Anthony San Miguel, Klaus Schadow, R. G. S. Sewell and Irwin Koff.
- SUPERIOR ACHIEVEMENT AWARDS**
  - WEAPONS PLANNING — Benjamin E. Brown, Dale M. Bryson, Douglas G. Kinney, Louis G. LaMarca, Ronald R. Carlton, David G. DeRoulet, Richard H. Vollmerhausen, Warren E. Slump, Thomas A. Seufert, Carl D. Simecka, Thomas A. Mueller and Thomas K. Rindl.
  - CENTRAL STAFF — Elizabeth D. Freeman.
  - SURFACE MISSILES — Roland E. Baker, Vance L. Hansen, John L. Owens, Jay W. Bornfleth and Harold Schmeer.
  - FUZE DEPARTMENT — Roger E. Fisher.
  - ELECTRONIC SYSTEMS — Raymond M. Banks, Charles W. Fees, David H. Garretson, John A. Haug, Clifford C. Hunter, Wilvan W. Mathews, Richard V. Peter, Hayden L. Smith, Darrell A. Bymoen, Donald G. Quist, Gaylon L. West, Richard S. Hughes, Robert E. Atkinson, Reuben E. Nykawand and William W. Swinford.
  - WEAPONS DEVELOPMENT — Vincent P. Accurso, Allyn R. Berryman, George W. Carle, Vernon L. Gibson, William H. Beckett, George D. Goetz, James G. Mertz, Margaret L. Mavis, Almer B. Galloway, Richard N. Oehlberg, Gregory D. Peterson, Floyd C. Richards, William C. Tonkin, Melvin H. Keith, Harry R. Bliss, Rex N. Randolph, George F. Stillwell and Orlando C. Valdez.
  - PROPULSION DEVELOPMENT — Richard D. Fulmer, Gary R. Burnger, William D. Sutherland, Darrell W. Walker, Jack M. Pakulak, Jr.; Willard D. Snyder, Howard C. Schafer, Billy D. Martin, Gerald Panek, Paul Fry, John Mahoney, Robert Hall, Pat Hall and Milton R. Wolfson.
  - SYSTEMS DEVELOPMENT — George S. Burdick, Annette M. DiPol, Allen B. Gates, George A. Graf, Glen D. Hollar, Martin H. Landau, John K. Mills, Thomas F. Shueber, Thomas K. Jones, John W. Joyner, Loyd C. Moore, Richard A. Schmitt and George F. Teale.
  - TECHNICAL INFORMATION — Alberta L. Cox, Irene B. Rainey, Mary R. Zapala, Theresa M. Paulsen, Peter W. Dietrichson, John E. Dunker, William F. Beasley, Gail L. Falkenberg, Steven S. Wilson, Jacob J. Durk, James B. Downard, Jr., Patricia J. Gallup, Elaine M. Kapka, Dale Sh. Freeman, Jon P. Partin, John Y. Ho, Kenneth J. Ford, L. Rita Pirozek, Robert D. Glenn and Anna L. LaRosa.
  - RESEARCH — H. Bernard Mathes, Jr., William S. McEwan, Taylor B. Joyner, Howard C. Schafer and Jack M. Pakulak, Jr.
  - PUBLIC WORKS — Jr. R. Arredondo, R. G. Diaz, R. D. Douglas, L. M. Hines, J. A. Hyles, O. W. Llewellyn, F. D. Lortz, L. C. Reyes, K. W. Smith, C. H. Westbrook, D. J. Aubrey, M. K. Gallien, J. H. Rhodes, R. A. Owens, A. M. Thorpe, W. K. Bebe, R. R. Clout, M. F. Hinojosa, N. M. Harmon, R. M. Johnson, C. A. Nyholm, L. E. Bradshaw, L. D. Pipkin, D. E. Wegley, Robert Bliss, J. F. Elliott, M. L. Blagg, R. L. Schroers, P. H. Weeks, T. A. Mullen, N. W. Torgerson, G. W. Muse, T. A. Wilson, B. C. Peterson, Dugan Hanson, W. M. Lamb, G. N. Jones, D. L. Hawkins, W. R. Martin, Alfred Carrasco, N. F. Davis, R. D. Alford, C. E. Evans, H. L. Pangle, R. L. Peyton, J. W. Semore, Rubin Szymanski, J. R. Fernandes, J. R. Todd, D. W. McCullar, J. B. Asher, F. M. Jones, John Molder, Donald Wegley, P. J. Coughran, M. F. Richardson, C. D. Lowe, I. L. Maupin, R. E. Preut, J. H. Kirkpatrick, G. L. Irvine, E. D. Cullender, D. C. Futler, Gordon Carlton, H. W. Miller, J. L. Miller, H. D. Wise, W. H. Richards, W. E. Specht and Robert Wagner.
  - SUSTAINED SUPERIOR PERFORMANCE AWARDS
    - OFFICE OF COMMANDER — William B. Porter.
    - WEAPONS PLANNING — Barbara J. Biddlingmeier, Marian E. Buck, Reuel O. Laune III, Norma J. Meuser, Virginia I. Pearia and William W. Poole, Jr.
    - CENTRAL STAFF — Marjorie L. Brunson and Donna M. Glaviano.
    - SUPPLY — Charlotte J. Eady, Roy W. Getchell, Beulah B. Glidewell, Joanna J. Gniewek, and Harold D. Stalnaker.

- ELECTRONIC SYSTEMS** — Leland D. Bare, Samuel L. Barlaam, Leslie E. Caffee, Raymond Caruso and James M. Koch.
- WEAPONS DEVELOPMENT** — Dean H. Bergevin, Alvin L. Cleland, Jimmy L. Cook, Betty S. LaJeunesse, Robert F. Lange, John W. Onstott, Stanley G. Rajtora, Edward A. Teppo, Joseph R. Togami, James H. Whittington, Lonnie A. Wilson, and Richard F. Wisdom.
- PROPULSION DEVELOPMENT** — Edmund J. Regan and John J. Schor.
- SYSTEMS DEVELOPMENT** — Edwin M. Allen, Harold G. Cook, Helen K. Gaar, Ivan R. Goff, Sherrie L. Mahoney, Thomas W. Preston, B. Joann Pritchett, Margaret A. Raphael, Barrie L. Riddoch, Stanley T. Smith and Gerald L. Stevens.
- TECHNICAL INFORMATION** — Margaret M. Ender.
- ENGINEERING** — Norman Berry, Peter Boucijn, Robert Byrne, Paul L. Davison, George H. Gill, Roy H. LaFon, Charles Marvin, Nelson L. Peltly and Harry A. Thacker, Jr.
- RESEARCH** — Wayne E. Thun.
- PERSONNEL** — Dora Childers, Ross A. McCallister, Jr., and Dixie T. Shanahan.
- PUBLIC WORKS** — R. W. Blaine, Sr., T. T. Cabe, E. H. Copeland, Max Donald, L. G. Greene, J. W. Haygood, E. H. Hogue, M. A. Hunter, Matt H. Hyvonen, G. N. Jones, R. C. Kirkendall, Oliver W. Llewellyn, Thomas R. McCoy, C. E. Miller, L. E. Morgan, P. A. Murrin, Martin Peltz, George Perrige, E. W. Proffer, D. T. Rollingson, F. S. Speakman, R. S. Taylor, J. D. Upson, W. A. Watts and N. R. Zapala.
- SECURITY** — Virginia L. Anderson, Natalie V. Harrison, and Marie Ann Michel.
- COMMAND ADMINISTRATION** — Oscar A. Imer and Donna B. Long.
- OUTSTANDING PERFORMANCE RATINGS**
  - TECHNICAL PRESENTATIONS COORDINATOR — Richard W. Rusciolielli.
  - DEPUTY TECHNICAL DIRECTOR, ELECTRONIC SYSTEMS — Richard M. Johnson.
  - DEPUTY COMMANDER — Mary J. Driggs.
  - WEAPONS PLANNING GROUP — Edwin G. Swann.
  - TECHNICAL OFFICER — Diana Y. Combs, Alice J. Short and Beverly J. Weisbrich.
  - CENTRAL STAFF — Monroe B. Sorge, Clara N. Williams, Alan S. Vokolek, Kiyoshi Fujiwara, Daniel G. Burnett, Mary L. Gott and Edeia M. Fischer.
  - NAVAL AIR FACILITY — Florence M. Joles and Edith E. Haley.
  - SUPPLY — Charlotte J. Eady, Beulah B. Glidewell, Barbara J. Thurman and Barbara L. Marine.
  - SURFACE MISSILES — William B. Porter, Gerald O. Miller, Larry W. Elder, Merle E. Ross, Curtis V. Bryan, John J. Stedman, John W. Ayers, Marvin L. Phillips, William P. Bailey, Charles R. Stribley, Gaylon L. West, Frank E. Goerlich, Curtis B. Hamre and Alonso S. Price.
  - FUZE DEPARTMENT — Roy L. Nichols, Jack D. Westfall, John Huang, Robert M. Hillier, Clarence A. Merzals and Matthew E. Anderson.
  - ELECTRONIC SYSTEMS — Donald A. Orton, Gerald R. Schiefer, Charles B. May, Delores A. Irvin, James M. Koch, Richard J. Mello, Everett K. Jenne, Samuel L. Barlaam, James V. Netzer, John S. Johanning, Robert E. Larrabee, Terry J. Wilson, Robert G. Koken, Duane J. Russell, Karen H. Harlan, Raymond S. Caruso, Paul J. Hilliard, John O. Hooper, Charles A. Hawthorne, Charles F. Cook, Mervyn C. Hoover, Jr., Carol M. Lefebvre, William A. Burns, Edlin E. Patterson, Mayer Freedman, Gordon R. Lowham, Reuben E. Nykawand, Alan G. Kirk, Belmont Frisbee, Jr., John M. Johnson, Sam D. Stanifer and Gary O. Erickson.
  - TEST AND EVALUATION — John C. DiPol.
  - WEAPONS DEVELOPMENT — Robert D. Berry, William H. Smith, Leona R. Walker, Charles H. Hill, James D. Ross, Dwayne I. Harms, William F. Ball, Rolf O. Gilbertson, Kenneth L. Trieu, Dale L. Christensen, Edward A. Teppo, Floyd S. Hall, Donald E. Walke, Allen E. Smith, Robert C. Battaglia, Harold F. Cummins, Kenneth S. Eder, John J. Murphy, Jr., Lorraine A. Gunther, Robert K. Page and Sharon R. Werle.
  - SYSTEMS DEVELOPMENT — Eric A. Lundstrom, Hal R. Jeffers, Wilene Y. Disch, Jerry L. Macy, Richard G. Moe, Arnold A. Millen, Keith E. Clark, Donald W. Cooper, Lee E. Lakin, Jr., Bernard P. Wenzl, George F. Teate, Richard A. Schmitt, Markam F. Stenger and Larry E. Washam.
  - TECHNICAL INFORMATION — Helen W. Randolph, Maria O. Kochman, Florence A. Dinsmore, John D. Gerrard Gough, Barbara A. Neal, John E. Dunker, Gail L. Falkenberg, Snowden E. LaFon and Verna Lovik.
  - ENGINEERING — William R. Hattabaugh, Bill R. Rhamy, Larry E. Prince, Alexander J. Kowalsky, John P. Gorman, Roger W. Harley, Robert W. Enterkine, Henry R. Blecha, Franklin D. Harris, Louis D. Pracchia, Jr., Dennis E. Raz, Max L. Dix, Theodore E. Kruse, James R. Shiff, Phyllis K. McKinstry, Frank Sima, Robert L. Barsaloux, Elmer F. Slaten, Joseph M. McDonough, David A. Hull, Robert L. Griffon, Wallace M. Morgan, Rudy G. Muro and Flint W. Jacobs.
  - RESEARCH — Marion J. Soileau, Jr., Vernon O. Jones, Jr., Reta C. Roquemore, Leo N. Webb, Harold L. Angle, Daniel T. Gillespie, Larry A. Mathews, Tommy L. Wright, M. Lorraine Abernathy, Leah K. Crista, Aaron N. Fletcher, Betty J. Yingsi, Wayne E. Thun, Taylor B. Joyner, Albert H. Lepie, Carl A. Heller, Jr., Richard H. Knipe, Gary A. Hewer, William O. Alltop and Frank C. Reed.
  - PERSONNEL — Raymond A. Harrison, Eunice D. Crookshanks, Sue P. Prasolowicz and Naomi R. Mulhern.
  - PUBLIC WORKS — Rita L. Smiley and William M. Sorbo.
  - SECURITY — William E. Davis, Shelia K. Dotson, Marie A. Michel and Dorothea B. Naumu.
  - COMMAND ADMINISTRATION — Cy M. Ebersberger and Donna B. Long.

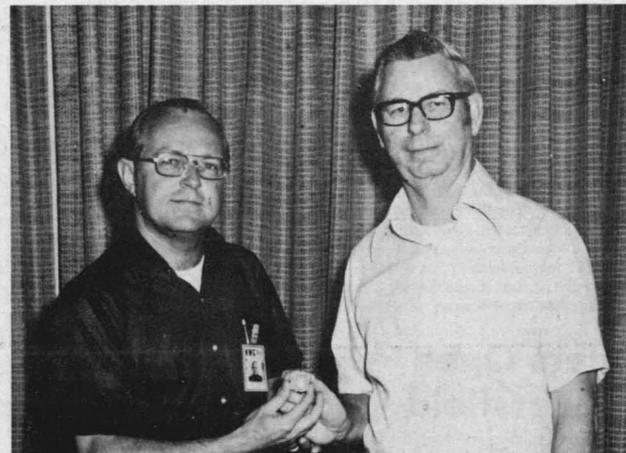
# Employees Honored for 30 Years of Federal Service



**30 YEARS OF SERVICE** — Verne C. Tracey (at right) an electronics technician in the Countermeasures Division of the Electronic Systems Department, was the recent recipient of a 30-year Federal service pin. The presentation to Tracey, whose three decades of Federal service include 20 years on active duty with the Navy, was made by Duane J. Russell (on left) his department head. Tracey has been at China Lake since 1966, when he came here from Edwards Air Force Base to work in the Engineering Department. —Photo by PH3 D. M. Jenereaux

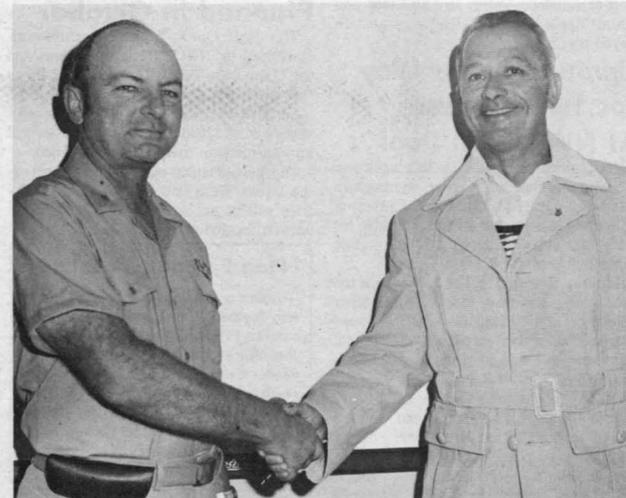


**THREE DECADES OF SERVICE** — John Kleine and Nancy Glover (from left), and Eduardo Romero (r.), recently received 30-year Federal length of service pins from C. P. Smith, head of the Systems Development Department, at a ceremony in the department office. Kleine, who is head of staff for the department, was drafted into the Navy in July 1944, and stationed at NOTS, Inyokern. He has lived here for 29 years. Mrs. Glover began her Civil Service career in July 1944 at the Army Air Force Tactical Center, Orlando, Fla., as an artist illustrator. She came to work at China Lake in August 1952. Romero, who started his work career at Picatinny Arsenal, Dover, N.J., in July 1943, came to NOTS in January 1953 as an ordnance engineer for the old Test Department. He is now a general engineer for the Systems Development Department. —Photo by Maurice Dias



**LONGEVITY RECOGNIZED** — W. R. Hattabaugh (l.), acting head of the Test and Evaluation Department, presents a 30-year Federal length of service pin to Delbert J. Rollingson, who is employed in the Airborne Instrumentation Branch. Rollingson came to work at China Lake in 1946 after completing a tour of duty in the U.S. Army. He and his wife, Jean, live in Ridgecrest. Jean is employed in the Electronic Systems Department. —Photo by PH3 D. M. Jenereaux

**LENGTHY SERVICE RECOGNIZED** — Maria Kochman was among those singled out for special recognition during a recent Technical Information Department awards ceremony. Mrs. Kochman, who received a 30-year Federal service pin, is flanked by C. E. Van Hagan, her department head (at left) and her division head, Al Christman, head of the Publications Division. She has been a TID employee since December 1954—starting out as an editorial clerk in what was then called the Publishing Division (headed by Van Hagan). Mrs. Kochman also worked as a printing and publications assistant prior to moving up to her present position of publications officer. Before joining TID, she worked as a secretary and clerk-stenographer at the Salt Wells Pilot Plant. Her last job at SWPP before joining TID was that of secretary to Dr. Emery Ellis, a former head of the old Rockets and Explosives Department. Mrs. Kochman's Federal service career began in the Navy as a WAVE. Her military service of nearly 2½ years included duty at the U. S. Naval Ordnance Test Station (Inyokern)—forerunner to the Naval Weapons Center. —Photo by PH3 D. M. Jenereaux



**30 YEAR PIN PRESENTED** — Sam Antrim (at right), a painter foreman in the Building Trades Branch, was congratulated recently by Cdr. J. L. Uhe, Acting Public Works Officer, during a ceremony in which Antrim received a 30-year Federal service pin. Antrim, who entered the Navy in January 1944, served a part of his active military service at what was then called the U.S. Naval Ordnance Test Station, Inyokern. Discharged from the Navy in June 1946, Antrim hired on here as a painter and has remained at China Lake ever since. Other Code 70 employees who also received 30-year Federal service pins (but are not shown in photo) are Joe Segler and Ed Knorr, from the Transportation Division. Segler came to NWC in June 1946 as an auto mechanic, and is now an inspector in Production Control. Knorr, who has retired, joined the Transportation Division as a driver in 1971. He worked at Pasadena for many years before transferring to China Lake.



**RECEIVE 30-YEAR FEDERAL PINS** — Earl R. Norman (l.) and Howard E. Auld (seated) were presented 30-year Federal length of service pins at a recent Code 31 ceremony. Norman has spent 26 years working for the Weapons Control Branch of the Surface Missile Department's Technology Development Division and Auld has been employed at the Naval Weapons Center for the past 29 years, two of which were as a member of the U.S. Navy. Present for the ceremony were (back row, l.-r.): Claude W. Brown, head of Norman's division; Gerald Miller, associate department head for programming; and Earl G. Love, (now retired), who was head of the Ship Counter-Measures Program Office, where Auld is employed.

## GET CAR-POLISH.



Single passenger driving is a waste of fuel. And money. So why not start saving on both? Start a carpool to work. To school. To the grocery store. It's the economical way to travel. In more ways than one!

## Don't be fuelish.