

### Talk scheduled on results gained by spacecraft flights

Dr. John H. Wolfe, chief scientist for the Pioneer 10 and Pioneer 11 spacecraft flights past the planet Jupiter, will speak locally about some of the results gained from these explorations.

Dr. Wolfe, of the NASA Ames Research Center, Moffett Field, will present the first of two lectures Tuesday at 1 p.m. in Rm. 1000-D of Michelson Laboratory. This will be a technical lecture entitled "Pioneer 10 and 11 Jupiter Flyby Missions."

Tuesday evening he will present a lecture open to the public entitled "The Pioneer 10 and 11 Missions to Jupiter." It will begin at 7:30 in the Community Center's Cactus Hall.

Slides showing close-up photographs of Jupiter will be presented during both lectures.

Dr. Wolfe's evening lecture is sponsored by the Alexander F. Morrison Foundation



Dr. John H. Wolfe

and the China Lake Astronomical Society. There is no admission charge.

On Dec. 4, 1973, after 21 months of flight, Pioneer 10 spacecraft passed by Jupiter within 81,000 miles of its cloud tops. As Pioneer 10 continues on its outward course it will become the first spacecraft to ultimately escape the solar system.

On Dec. 3, 1974, Pioneer 11 passed by Jupiter within 26,000 miles of its cloud tops and is now headed for an encounter with the ringed planet Saturn in September 1979.

Pioneer 10 and 11 are spin-stabilized spacecraft carrying instruments that measure particles and fields in interplanetary space and make planetary observations.

The two spacecraft had complementary courses past the planet Jupiter. They have provided the first detailed close-up study of the planet, some of its satellites, and its environment.

### Busy 2 days coming up at COM; annual luau slated June 27

A busy weekend is planned at the Commissioned Officers' Mess according to Paul Dotson, acting manager.

A dance tonight will feature "The Caravan" playing from 9 until 1 a.m. Dinner special of the evening will be fried haddock with a free glass of wine for \$2.95.

For Members' Night on Saturday, Dan Lydon and The Tempos will play. The special dinner will be chicken in a basket for \$2.25, and Happy Hour will extend throughout the evening.

The COM's annual luau has been scheduled next Friday, June 27. It will serve as a closing down party, since the COM will be closed for repairs during July.

The luau, lasting from 8:30 p.m. until 2 a.m., will feature free Mai Tais during the first hour, and the playing of "The Younger Half" starting at 9 p.m. At 10 p.m. George Howes and "The Isles of Paradise" performers will put on a floor show.

Cost of the luau is \$9 per person, and reservations can be made by calling 446-2549 by Thursday, June 26.



**FLYING FEET** — In rehearsals for the CLOTA production "Jesus Christ Superstar," choreographer Dori Morrione (in overalls) leads members of the cast through a rousing dance number. With opening night scheduled on July 10 at the Burroughs High School Lecture Center, the rock opera production is well under way toward reaching its final form. "Never have I seen such a hard-working cast," said Director Florence Green. "We give them a break and they still keep rehearsing—even in the stifling heat." With this kind of enthusiasm, and the talent possessed by this large cast (almost 50 people), the show is bound to be exciting, she added. The production will run for seven performances between July 10 and 19.

### College schedules film series on responses to human relationships

"Responding," a film series dealing with responses to human relationships will be shown four consecutive Tuesday evenings at the Cerro Coso lecture center.

The series will open at 7:30 p.m. Tuesday with the classic "Requiem for a Heavyweight" starring Anthony Quinn. This will be followed with "But What if the Dream Comes True" on July 1; and three films, "Information Processing," "Group Think," and "Moral Development" on July 8.

The final showing on July 15 will feature three more films, "Act Without Words," "Looking for Me," and "Awareness Training."

Tickets for all four showings are priced at \$7.50, with a \$3.50 price set for students and senior citizens. Tickets for individual shows also are available for any evening at a cost of \$2.50 each, or a student or senior citizen price of \$1.

The series is being co-sponsored by the Covenant United Presbyterian Church, United Methodist Church, Unitarian Fellowship, Cerro Coso College and the Desert Counseling Center.

For additional information, contact either Florence Green by calling 375-2214, or Marj Boehme, phone 446-5586.

### Wilt's corner...

(Continued from Page 6)

for a mother and child to respond to each other while working together.

Interested persons can obtain more information about the creative dance classes by phoning the instructor at 446-3768.

### Animal lovers in for treat at movie matinee Wednesday

Animal lovers can rejoice over the double feature matinee scheduled by the Youth Center next Wednesday, starting at 1 p.m., at the Center theater.

"Flash, the Teenage Otter" and "Hang Your Hat on the Wind" constitute the double bill.

Flash is a young otter in Wisconsin's lake district who has a series of comical misadventures. Goyo, a Navaho boy, his race horse and a priest are the main characters of "Hang Your Hat on the Wind." Length of the two features is 94 minutes.

Carol Hape, Youth Center manager, reminds everyone that the matinees are open to all dependents of military and civilian employees, regardless of their place of residence. The admission price for Youth Center members is 25 cents; all others must pay 50 cents each.

Doors of the theater will open at 12:30 p.m.

### CPO Club to feature seafood dinner Sat.

Hungry for seafood? The CPO Club's special dinner Saturday night will be lobster for only \$5.95 per person.

No special event is planned this weekend, so come out and enjoy a leisurely dinner, George Barnard, club manager, urges.

## SHOWBOAT

**MOVIE RATINGS**  
The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.  
(G) - ALL AGES ADMITTED  
General Audiences  
(PG) - ALL AGES ADMITTED  
Parental Guidance Suggested  
(R) - RESTRICTED  
Under 17 requires accompanying Parent or Adult Guardian  
Regular starting time — 7:30 p.m.

FRI. 20 JUNE

"DEADLY CHINA DOLL" (94 Min.)  
Angela Mao, Carter Huang  
(Action Melodrama) Carter Huang, an agent of the Chinese government is assigned to stop a shipment of opium by trucks. (R)

SAT. 21 JUNE

"WHAT BECAME OF JACK & JILL?" (93 Min.)  
Vanessa Howard, Mona Washbourne  
(Drama) Paul Nicolas and Vanessa Howard are the storybook characters of the title. They plot the death of Jack's 78-year-old Gran (Mona Washbourne) so they can groove on the poor old lady's money in London town. (PG)

SUN. 23 JUNE

"THE OTHER SIDE OF THE MOUNTAIN" (103 Min.)

Marilyn Hassett, Beau Bridges  
(Drama) A sad but true and very heart warming story of a young girl who is severely injured in a ski accident while trying for the Olympic Ski Team. As a paraplegic, she determines to make a new life for herself by becoming a teacher of Indian children. Encouraged by her boyfriend, who loves her despite her handicap, they are about to be married when he is killed in a plane crash. Again she faces life bravely and carries on successfully as a teacher. (PG)

MON. 23 JUNE

"JONATHAN LIVINGSTON SEAGULL" (114 Min.)

James Franciscus as the voice of Jonathan  
Songs written and sung by Neil Diamond  
(Fantasy-Allegory) Banished from his flock for defying the elders, a starving young seagull is taken in by a wise old gull who teaches him to strive for perfection in everything he does. (G)

TUES. 24 JUNE

"THE SILENT STRANGER" (90 Min.)

Tony Anthony  
(Adventure Drama) An American gunslinger goes to Japan and gets involved with feuding war lords. He attempts to deliver half of a valuable scroll, which is being sought by opposing families. (PG)

WED. 25 JUNE

"THE PAPER CHASE" (111 Min.)

Timothy Bottoms, Lindsay Wagner  
(Drama) Set in the academic atmosphere of Harvard Law School, the story concentrates on the difficulties involved in maintaining a good scholastic standing and the impersonal nature of the faculty and students at such an institute of higher learning. (PG)

THURS. 26 JUNE

"THE DARWIN ADVENTURE" (91 Min.)

Nicholas Clay, Susan MacReady  
(Historical Drama) This story concerns the career of Darwin, the man who formulated the theory of evolution. The film focuses on his five year voyage on the British Royal Navy Ship H. M. S. Beagle, which was engaged in scientific exploration in the South Seas and South America in the 1830s. (G)

FRI. 27 JUNE

"MEAN STREETS" (112 Min.)

Robert DeNiro, Harvey Keitel  
(Melodrama) In Little Italy, New York City, a young numbers runner tries to help a friend repay a debt to a money lender. When the friend welves on the debt, the young gangster finds that a henchman has been ordered to dispose of him. (R)

### Dance set at Chaparral

"Bridgework," a rock band playing country western music, will be at the Chaparral Club tonight. Music begins at 9:30 and lasts until 1:30 a.m.

Manager Walt Schimke added that the gallery will be open.

### SAFETY TIPS . . .

Around eye hazards use safety glasses, See that gal'fore you make passes.

U.S. Government Printing Office:  
1975-494 / N0142

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

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

# nwc rocketeer

Naval Weapons Center  
China Lake  
California

Vol. XXX, No. 24

Ex-missionary To Preach Sunday . . . . . 2  
Navy Relief Drive Hits \$6,500 . . . . . 3  
Bjorklund Awards Presented . . . . . 4  
Solar Heat Used at NAF Pool . . . . . 5  
Sports . . . . . 6  
Talk Set on Spacecraft Flights . . . . . 8

## 7 outstanding civilian employees honored

Seven of the Naval Weapons Center's outstanding civilian employees received awards last week for their exceptional achievements both for the U. S. Navy and NWC. The presentations took place during a reception for members of the Ad Hoc Advisory Group that was held at the Commissioned Officers' Mess on the evening of June 12.

Four of the honorees received Navy

Superior Civilian Service Awards, two others garnered the L. T. E. Thompson Award, and there was one presentation of the William B. McLean Award.

On behalf of Vice Admiral Robert C. Gooding, Commander of the Naval Sea Systems Command, Rear Admiral R. G. Freeman III, NWC Commander, presented the Navy Superior Civilian Service Award (one the highest honorary awards in the Department of the Navy) to Dr. Taylor B. Joyner, Dr. William S. McEwan, Jack M. Pakulak, Jr., and to Howard C. Schafer.

Dr. Joyner is a research chemist in the NWC Research Department's Chemistry Division, which is headed by Dr. McEwan, while Pakulak and Schafer are both employees of the Propulsion Development Department. Pakulak is a chemist in the Applied Research and Processing Division, and Schafer is a mechanical engineer in the Quality Assurance Division.

Thompson, McLean Awards Presented

Dr. G. L. Hollingsworth, NWC Technical Director, joined RAdm. Freeman in presenting the L. T. E. Thompson Award (the Center's highest recognition for outstanding individual achievement) and the William B. McLean Award (which is complementary to the Thompson Award). The latter recognizes outstanding creativity among employees in furthering the mission of the Center as evidenced by significant inventions.

Recipients of the Thompson Award were M. B. (Mel) Sorge, former head of the Office of Finance and Management, and John DiPol, associate head of the Test and Evaluation Department.

The McLean Award went to Bennie D. Macomber, head of the Fuze Department's Project Branch III in Development Division II.

Dr. Joyner, Dr. McEwan, Pakulak and Schafer were recognized by VAdm. Gooding for their exceptional contributions to the Navy's investigations of large scale explosions involving ordnance-laden boxcars

(Continued on Page 5)

### Contract awarded for construction of enlisted men's club

The Western Division of the Naval Facilities Engineering Command at San Bruno has awarded a \$1.1 million contract to Inland Contractors, Inc., for the construction of a new Petty Officer and Enlisted Men's Club at the Naval Weapons Center.

The Redlands, Calif., firm is scheduled to start construction in July or August, following demolition of the old Jolly Roger Club, which the new club is replacing and will be located at the same site.

The new 15,000 sq. ft. facility was designed by the architectural firm of H. Wendell Mounce and Associates of Los Angeles — the designers of the Bachelor Enlisted Quarters presently under construction.

Architectural finish of the new PO/EM club will be similar to that of the Bachelor Enlisted Quarters, and will feature split face concrete masonry unit walls and slant roof lines. The new facility will include separate Petty Officer and Enlisted Men's bar/lounges and game rooms, a central kitchen area, and common dining and

(Continued on Page 3)



**7 EMPLOYEES HONORED** — A highlight of the reception held on the evening of June 12 for members of the NWC Ad Hoc Advisory Group was the presentation of awards honoring seven of the Center's outstanding employees. Rear Admiral R. G. Freeman III, NWC Commander, presented Navy Superior Civilian Service awards (in top photo) to (from left) Dr. William S. McEwan, Dr. Taylor B. Joyner, Jack M. Pakulak, Jr., and Howard C. Schafer. In the lower photo, RAdm. Freeman was joined by Dr. G. L. Hollingsworth, NWC Technical Director, in extending congratulations to (from left) Bennie D. Macomber, who received the William B. McLean Award, and to M. B. (Mel) Sorge and John DiPol, who were recipients of the L. T. E. Thompson Award. —Photos by Ron Allen



## Capt. Livingston takes command of VX-5

Top leadership of Air Test and Evaluation Squadron Five (VX-5) was transferred from Capt. Edwin M. Crow to Capt. Robert N. Livingston during a formal change of command ceremony held last Friday outside Hangar 1 at the Naval Air Facility.

Highlights of the ceremony included the presentation of a Meritorious Service Medal to Capt. Crow in recognition of the outstanding leadership he displayed while serving as Commanding Officer of VX-5 from Aug. 9, 1972, to June 13, 1975, as well as a talk by Rear Admiral R. R. Monroe, Commander, Operational Test and Evaluation Force, Norfolk, Va.

Capt. Crow, who has been transferred to the staff of the Commander, Naval Air Force Pacific as the Force Weapons Officer, received the Meritorious Service Medal from RAdm. Monroe, who presented it on behalf of Vice Admiral David H. Bagley, Chief of Naval Personnel.

"It is a great pleasure to be here today and to participate in this ceremony in which the leadership of one of the Navy's key aviation commands is passed from one outstanding Naval officer to another," RAdm. Monroe stated during his opening remarks.

"As the operational commander of VX-5," he continued, "I particularly wanted to come here to congratulate the officers, men and women of the squadron on the magnificent job they're doing, and to have the opportunity to describe to wives, families and guests how critical a role VX-5

plays within the Navy, and how remarkable its achievements are."

Since its commissioning in 1951, VX-5 has had the principal mission of developing and evaluating aircraft tactics for delivery of

air-to-ground weapons, RAdm. Monroe noted. Now VX-5 has the sole responsibility within the Navy for conceiving and perfecting the tactics upon which the combat

(Continued on Page 3)



**EXCEPTIONAL PERFORMANCE RECOGNIZED** — During last Friday's change of command ceremony at VX-5, a Meritorious Service Medal was presented to Capt. Edwin M. Crow (center) by Rear Admiral R. R. Monroe, Commander, Operational Test and Evaluation Force. Looking on at right is Capt. Robert N. Livingston, who has succeeded Capt. Crow as Commanding Officer of VX-5. —VX-5 photo

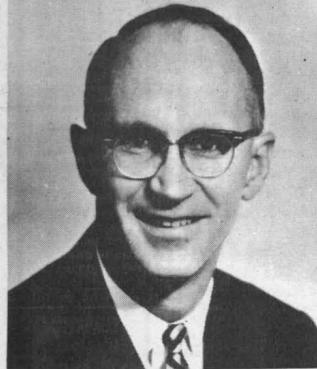


FLAG DAY OBSERVED — Eagle Scouts from the China Lake-Ridgecrest area paraded in with six different American flags that have flown at different times in this nation's history during the annual Flag Day program held last Saturday at the Ridgecrest Elks Lodge. At the same time, the historical significance of each of the flags was recounted by Fred Whitnack, a past exalted ruler of Ridgecrest Lodge No. 1913, BPOE. John Sichra, exalted ruler, assisted by other officers of the local Elks Lodge, carried out the traditional Flag Day program at which the guest speaker was Harry Parode, Capt. USN (Ret.). Parode is now the NWC Public Information Officer. The patriotic observance was concluded by the solemn ceremony of burning soiled, torn and tattered American flags.

Ex-missionary to preach at All Faith Chapel

Dr. J. Christy Wilson, Jr., a visiting professor of Missions and Evangelism at the Gordon-Cornwall Theological Seminary in South Hamilton, Mass., will preach at the All Faith Chapel Protestant service on Sunday, beginning at 10:15 a.m. Dr. and Mrs. Wilson spent more than 20 years in Afghanistan, where he was in

Asia. Dr. Wilson received his B.A. at Princeton University, where he was captain of the track team, his B.D. from Princeton Seminary, where he was president of the student body and his Ph.D. in Oriental Studies at the University of Edinburgh, Scotland. He is married to the former Betty Hutton of Hamilton, Ontario, Canada. She had been active in the Teachers' Christian Fellowship and met her husband-to-be when he traveled to Toronto in 1946 while serving on the staff of the Inter-Varsity Christian Fellowship to attend a missionary convention. Dr. Wilson's parents also were missionaries, and he was born in Tabriz, Iran.



Dr. J. Christy Wilson, Jr.

charge of building the only Christian church on neutral Afghan soil. He also taught private English lessons to the crown prince and taught English to Afghan diplomats in the Ministry of Foreign Affairs. When the church was destroyed by an unfriendly regime in 1973, the Wilsons were forced to leave. They spent the next year in Tehran, Iran, where Mrs. Wilson taught in the Henry Martin Christian School and he wrote a history of God's work in Central

Community Council candidates sought

Bob Fletcher of the China Lake Community Council reminds all China Lake residents that there are still two vacancies to be filled on the Council's board of directors. The only requirements (besides a willingness to serve) is that nominees must be 18 years of age or older, and must live at China Lake. All board members now serve as members-at-large rather than representing specific precincts. Those interested in becoming members of the board of directors are asked to call Aletha Benson, chairman of the Nominating Committee, at 446-2739.

DEADLINES: Tuesday, 4:30 p.m. Tuesday, 11:30 a.m. The Rocketeer receives Armed Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with Nav Exos P35, 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. Photos 3354, 3355, 2347

The Rocketeer

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RAdm. Rowland G. Freeman III NWC Commander

Dr. G. L. Hollingsworth Technical Director

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Ron Allen Staff Photographer



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 652, 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 456 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-116, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Pipefitter, Foreman, WS-4204-10, Code 70 — As a first full line supervisor, the incumbent plans the sequence of operations and the work steps of employees supervised. Interprets blueprints and instructions as required, prepares layouts and sketches, requisitions tools, materials and equipment needed, plans division of work among employees. In order to make these determinations, he must be familiar with and have working knowledge of the theory, practices, techniques and work methods involved in the section. Qualifying trades are pipefitter, pipecoverer and insulator and plumber. Applicants must possess enough knowledge and abilities in the elements listed below, to perform the duties of a pipefitter, foreman in the trades supervised, ability to supervise, technical practices, ability to interpret instructions, specifications, etc. Knowledge of materials. Knowledge of pertinent tools and equipment.

Electrician (high voltage), General Foreman, WS-2810-13, Code 70 — The incumbent supervises three subordinate supervisors at the foreman level in work involving several trades or occupations. The incumbent is responsible for planning, coordinating, and directing a variety of related work operations of functions involving several units. He directs the accomplishment of assigned work operations within the limits of policies and basic production schedules established by management officials, and oral and written instructions provided by superiors. Work performed is reviewed in terms of meeting completion dates, and the quality, quantity, and cost of work produced. Qualifying trades are electrician (high voltage), cable splicer, telephone mechanic and electrician lineman (communications). Applicants must possess enough knowledge and abilities in the elements listed below to perform the duties of an electrician (high voltage), general foreman in the trades supervised. Ability to supervise through subordinate supervisors. Ability to plan and organize work. Knowledge of different relevant lines of work. Ability to work with others. Ability to meet deadline dates under pressure. Ingenuity — ability to suggest and apply new methods. Applicants should file SF-172 and Supplemental Wage Grade Supervisory Information Sheet with the Special Examiner, Code 652, not later than July 7. Forms may be obtained in the Personnel Bldg., Rm. 100. File applications for the above with Betty J. Geiser, Bldg. 34, Rm. 103, Ph. 2657.

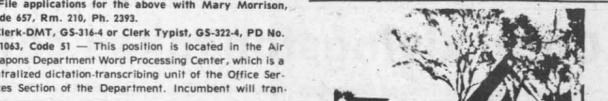
Secretary (Typing), GS-318-5, PD No. 7345128, Code 451 — This position is located in the Advanced Technology Division Office. Incumbent provides secretarial support to division head and division personnel as required. Duties include composing and reviewing correspondence, technical report typing, frequent personal and telephone contacts, obtaining and presenting information, making travel arrangements, setting up and maintaining files. Job Relevant Criteria: Familiarity with Navy correspondence and filing procedures. Ability to deal effectively with people. Must be qualified typist. Ability to operate MCST preferred. Pipefitter, JD No. 206, WG-4204-10, Code 45334 — Fabricates, installs, maintains and repairs various piping systems. Adjusts temperature, flow and pressure control valves. File applications for the above with Mary Morrison, Code 657, Rm. 210, Ph. 2393.

Clerk-DMT, GS-316-4 or Clerk Typist, GS-322-4, PD No. 7551863, Code 51 — This position is located in the Air Weapons Department Word Processing Center, which is a centralized dictation-transcribing unit of the Office Services Section of the Department. Incumbent will transcribe memoranda, technical and administrative reports, and official correspondence that have been dictated on magnetic cards or from rough draft using Mag II Card typewriter; prepare material into final copy, maintain card library, and monitor records. Job Relevant Criteria: Ability to meet deadlines under pressure. Ability to work rapidly and accurately. Knowledge of magnetic media. Ability to type efficiently and accurately. Mail and File Clerk, GS-305-4, PD No. 7551056, Code 51 — This position is located in the Office Services Section of the Air Weapons Department. Incumbent assists CCP in the handling, receipt and issue of classified documents. Acts as custody control point in the absence of the custodian. Job Relevant Criteria: Knowledge of regulations pertaining to the handling of classified materials. Familiarity with functions and organizational structure of the Air Weapons Department. Promotion potential: GS-5

File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514. Electronics Technician, GS-854-7 9, PD No. 7533025, Code 522 — This position is located in the Video Projects Branch, Presentations Division, Technical Information Department. This branch is responsible for Center-produced video tape productions. Duties of the incumbent are primarily maintenance of video production equipment and operation of equipment during production. The incumbent performs all pre-production camera adjustments, video setup, audio hookup, recorder preparation, character generation, optical multiplexer, and video pointer. Is responsible for technical assistance of tape product. Job Relevant Criteria: Ability to install, repair, overhaul, and maintain electronic equipment. Experience with video production equipment is desirable. Clerk (Typing), GS-301-3 or 4, PD No. 7500015, Code 09 — Position is located in the Office of the Deputy Equal Employment Opportunity Officer. The incumbent will be expected to provide clerical support to the DEEO, the Federal Women's Program Coordinator and the Spanish Speaking Program Coordinator. Duties will include providing information on EEO complaint procedures and training, collecting and compiling of EEO data, typing, recording minutes of meetings, filing and receipting duties. Job Relevant Criteria: Reliability and dependability, ability to keep records and make reports, ability to work with individuals with all types of backgrounds. Promotion Potential: GS-5

File applications for the above with Sras Proslowicz, Bldg. 34, Rm. 208, Ph. 2577. Police Dispatcher, GS-301-3/4, PD No. 7584005, (3 vacancies), Code 843 — Incumbent performs dispatching duties for the China Lake Police Division and maintains radio communications with NWC Guard Post, Fire Division, NIS, and off-base police agencies. Coordinates and controls radio traffic between police units, responds to requests for assistance by police units and/or notifies appropriate source, furnishes requested information to the public or refers to appropriate authority. Job Relevant Criteria: Experience handling complaints from the public, exercising tact and good order. Ability to work effectively in stress situations. Some typing ability is required. Those who previously applied for this position as advertised 6-13-75 will be considered and need not reapply. Clerk-Typist, GS-322-3/4, PD No. 7540066, Code 4082 — This is a part-time position located in the Advanced Technology Branch, Aircraft Systems 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. Secretary (typing), GS-318-5, PD No. 7284018 AM1, Code 84 — This position is secretary to the Director of Security. Incumbent maintains director's calendar; sets up conferences and meetings, receives visitors and telephone calls; receives and screens mail; takes notes and minutes of meetings; types a variety of reports and correspondence and participates in training of department clerical staff. Job Relevant Criteria: Incumbent must possess a high degree of tact and diplomacy. Must be able to perform well under stress and adapt to a variety of difficult situations. Must have a basic understanding of organizations; human relations and lines of communications. File applications for the above with Charlotte Siewicki, Bldg. 34, Rm. 204, Ph. 3118.

General Engineer, GS-801-13, PD No. 7555063, Code 5562 — This position is located in the Engineering Support Branch, Fleet Engineering Division, Engineering Department. The incumbent is responsible for establishing and maintaining a close cognizance of all development and production related propulsion activity within NWC development departments. The incumbent is responsible for the production, performance, and maintenance of propulsion systems. (Continued on Page 7)



DIVINE SERVICES

PROTESTANT

Sunday Worship Service 1015-1090 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

BLESSED SACRAMENT CHAPEL MASS

Daily except Saturday 1135

CONFESSIONS

Saturday 1615 to 1645

Sunday 0800 to 0825

RELIGIOUS EDUCATION CLASSES

Sunday Kindergarten thru 4th grades 1015

Pre-school 1130

Wednesday First thru sixth 1530

seventh & eighth 1900

(Junior High)

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 Sunday — (Sept.-May)

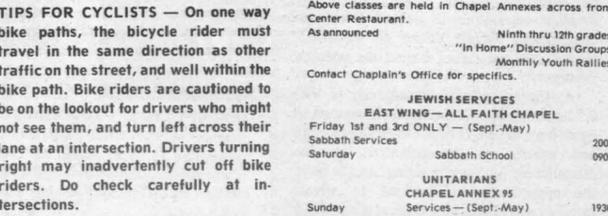
Sabbath Services 2000

Saturday Sabbath School 900

UNITARIANS

CHAPEL ANNEX 95

Services — (Sept.-May) 1930



TIPS FOR CYCLISTS — On one way bike paths, the bicycle rider must travel in the same direction as other traffic on the street, and well within the bike path. Bike riders are cautioned to be on the lookout for drivers who might not see them, and turn left across their lane at an intersection. Drivers turning right may inadvertently cut off bike riders. Do check carefully at intersections.



DISTINGUISHED VISITOR—Rear Admiral L. R. Bell Davies (at right) of the British Royal Navy, arrived recently at China Lake for briefings conducted about many of NWC's principal projects, and a look at the Center's laboratory facilities and ranges. RAdm. Davies, who is Commander of the British Navy Staff in Washington, D.C., is shown holding an NWC plaque that was presented to him by RAdm. R. G. Freeman III, the Center Commander, as a memento of his visit. The British Navy officer was honored at a reception and dinner held at the Commissioned Officers' Mess, foured points of interest in the local area, and also attended the WACOM spring dance. —Photo by Ron Allen

Promotional opportunities...

(Continued from Page 2)

Technology Branch, Aircraft Systems 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. Secretary (typing), GS-318-5, PD No. 7284018 AM1, Code 84 — This position is secretary to the Director of Security. Incumbent maintains director's calendar; sets up conferences and meetings, receives visitors and telephone calls; receives and screens mail; takes notes and minutes of meetings; types a variety of reports and correspondence and participates in training of department clerical staff. Job Relevant Criteria: Incumbent must possess a high degree of tact and diplomacy. Must be able to perform well under stress and adapt to a variety of difficult situations. Must have a basic understanding of organizations; human relations and lines of communications. File applications for the above with Charlotte Siewicki, Bldg. 34, Rm. 204, Ph. 3118.

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

General Engineer, GS-801-13, PD No. 7555063, Code 5562 — This position is located in the Engineering Support Branch, Fleet Engineering Division, Engineering Department. The incumbent is responsible for establishing and maintaining a close cognizance of all development and production related propulsion activity within NWC development departments. The incumbent is responsible for the production, performance, and maintenance of propulsion systems. (Continued on Page 7)

Refresher course slated for clerks, secretaries

A refresher course for experienced clerks and secretaries will be held from 7:30 to 11:30 a.m. on Monday, July 7, and from 9:30 to 11:30 a.m. Tuesday through Thursday, July 8 through 10.

The class which will be held in Rm. 107, Training Center, will be taught by various NWC support personnel. Subject matter will include Naval correspondence, Naval messages, travel, disbursing and personnel actions.

Nominations to attend should be made by submitting an NWC enrollment form to Code 654 via proper department channels no later than June 30.

Relay race run...

(Continued from Page 6)

racing each other neck and neck at 2 a.m. to post a time of 5 min., 13 sec. in the mile run. In addition, on his 23rd mile (6 min., 18 sec.) Broyles overtook a member of the winning Victor Valley High School team and then proceeded to pull far ahead of his partner, and Steve Bovee ran a 6 min., 1 sec. mile at around midnight Saturday.

"With another year of training (average age then 37), we're going to top the 240-mile mark," Hughes, president of the Over-the-Hill Track Club, predicted.

Brian Schuetz assisted the runners by acting as the local team's lap and mileage recorder.

Employee in the spotlight

The story of the Naval Weapons Center, and its forerunner, the Naval Ordnance Test Station, is one that is well known.

This research and development establishment has a reputation throughout the world for getting things done — and it is a reputation well deserved.

However, there are thousands of persons throughout the United States who are aware of what is done here and who does it that wouldn't be quite so familiar with the Center if it weren't for one man — Ray A. Sinnott.

Ray is a visual information specialist with the Technical Information Department and he is the man who is responsible for NWC's exhibits that are set up at conferences, special celebrations, meetings, fairs, military functions, technical shows, and community affairs.

Tells Story of NWC His job, stated simply, is to tell the story of NWC through the use of displays, posters, films and exhibits. He's been doing it for 20 years, ever since he came to NWC (then called NOTS) in April 1955.

Prior to that, Ray, who was born in New York City but grew up in Stephen, Minn., had been a grocery clerk, pilot, and an employee of the Better Business Bureau.

After his graduation from Stephen Public High School in Stephen (a small Minnesota town of 450 people), Ray became a grocery clerk. He put in four years stocking shelves and retailing grocery items before he decided to find something more interesting to do. So he moved to Spokane, Wash., and entered Gonzaga University.

After a semester, Ray dropped out of college and went to work for the Lockheed Aircraft Corporation in Maywood, Calif. He was a riveter helping to build airplanes. Perhaps the close association to flying machines rubbed off on Ray, so he took the examination for the U. S. Army's aviation cadet program, and passed. However, he didn't make use of the exam until after he was drafted into the Army in 1942.

First he completed radio school at Scott Field, Ill., and then called upon that examination. He was sent to Yuma, Ariz., and earned his wings as a pilot in August 1943. From that time until he was honorably discharged in November 1947, Ray flew the big stuff — B-26 Martin Marauders. "For a



Ray A. Sinnott

period, I towed targets for fighter pilots to shoot at and it's a wonder my hair didn't turn white during that time," Ray said. He tells the story about one flight when he was towing a target for artillery and the white puffs of smoke were appearing in front of the aircraft. Ray's message to the artillery was brief: "We're pulling this thing, not pushing it."

While stationed at the Pocatello (Ida.) Army Air Base, Ray had met his wife, Pauline. The couple was married in 1944 and Ray returned to Pocatello after his discharge for a while, but then decided to complete his education. He entered the University of Southern California and majored in radio and television production, receiving a bachelor's degree in 1951.

Offered Job at China Lake For the next four years he worked for the Los Angeles Better Business Bureau as a trade practice consultant. Then he heard about the job at China Lake. "Al Christman came down to see me and sold me on the idea, so I picked up and headed for China Lake, not knowing where it was. All I knew was that (on a road map) it was approximately 4 in. from Bakersfield and 9 in. from Las Vegas," Ray recalled.

In the 20 years that he has been telling the Center's story, Ray has told it to as few as 31 people (at Randsburg's Old Timer's Day) and for as many as 43,000 persons during the Western Electronic Show and Convention in San Francisco a few years back.

He says the biggest job he's ever been involved in was the redesign of the Michelson Lobby exhibits. Ray was the coordinator and worked with many different contractors, artists, and Center employees while the lobby was being refurbished. "Hannah Hewston was invaluable to me while this was going on," Ray noted.

The Sinnotts have two children. They are Michael, a student at Cal Poly in San Luis Obispo, where he is majoring in political science, and Julie Ann, 16, who will be a junior at Burroughs High School in the fall. Wife Works in Supply Dept.

Pauline, who is an employee of the Supply Department, is an excellent cook, according to Ray. She also likes sewing and reading. Both Ray and Pauline recently completed a college course on television and Ray confided that Pauline got a higher grade last semester than he did.

Ray, who likes to play golf, fish, swim and read, is also an avid photographer. He confesses to being a sports nut, as well. He is currently a member of the Sierra Panamint Chapter of the Society for Technical Communication and has served on the Executive Dining Room committee, as TID's Equal Employment Opportunities coordinator, and as the division's safety officer. For the past five years, Ray also has been very active with the Burros Boosters' Club, and served as president in 1973. In addition, Ray is a lieutenant colonel retired, with more than 28 years service in the U. S. Air Force Reserve.

### 3rd Invitational softball tourney to begin tonight

The third annual China Lake Invitational Open Softball tournament will begin tonight at 6 o'clock at two different locations — Reardon and Schoeffel fields.

Entered in this annual slugfest of open caliber softball teams are squads from throughout California. On hand will be the RKT team, from Tulare; Martin's, of Bakersfield; Petroloc, Mel's Pharmacy and Maxdon's, all from Lancaster; an all-star team from Camp Pendleton, near Ocean-side; a varsity squad from Edwards Air Force Base; a team from Fresno, sponsored by the Finance & Thrift firm there; Stefanie's Dress Shop, of Merced; the Royal Homes nine, from San Joaquin Valley; and the Western Auto squad, Valley Merchants nine and the Homestead team, all from the local area.

Games also are scheduled tonight at 7:30 at both locations, and the nightcap will be played at Reardon Field, starting at 9.

On Saturday, the first game will begin at 9 a.m. at Reardon with the first game at Schoeffel scheduled for 10:45. Games will continue throughout the day at both locations.

The final four games of the tournament will be played on Sunday at Reardon Field, with the first game slated at 10 a.m.

The tournament is being sponsored by the Indian Wells Valley Softball Association, an organization that was formed to promote softball in the local area.

Max Smith, who is president of the IWVSA and also the tournament director for this weekend's competition, announced that the organization is holding a fund drive that will conclude on Sunday.

### Upset registered in men's singles of tennis tournament

A mild upset was registered last weekend in the men's singles competition of the annual Indian Wells and Searles Valley open tennis tournament that was played on the Cerro Coso College tennis courts.

Bernie Wasserman, who was extended to 7-6 in the second and final set of his quarter-final match against Wilt Wyman, also succeeded in downing Paul Fry, 6-4, 6-4, in the semi-finals before knocking off Dick Boyd, the perennial finalist, 6-3, 6-3, to win the men's singles crown.

In the open consolation finals of the men's singles competition, Joe Strang emerged the victor with a 2-6, 6-2, 6-3 win over Van Ribultan, while the men's intermediate singles event was won by Jim Bumgardner and Richard Breault finished in first place in the consolation round of the intermediate level of the men's singles.

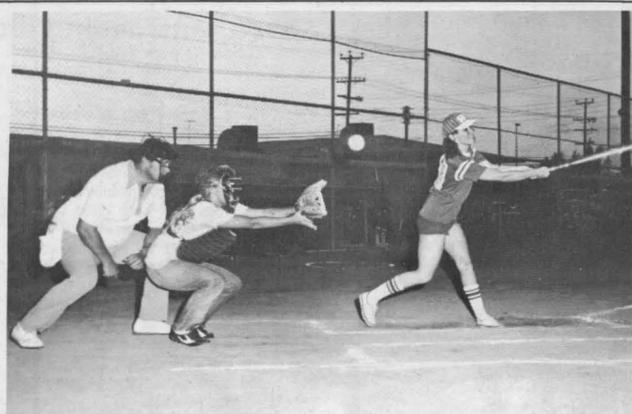
The women's singles title was claimed by Joan Leipnik, who defeated Karen Newmyer, 6-2, 6-4, in the final round, and it was Nancy Webster over Diana Wyman, 6-1, 6-3, in the finals of the open consolation competition.

Chuck Beatty and Karen Newmyer, who were teamed up in the mixed doubles event, posted a final round victory, 6-3, 6-4, over the duo of Bob Forrester and Joan Leipnik.

The tournament was conducted at the local college because the tennis courts on the Center were being resurfaced.

A barbeque, swim party and awards ceremony was held at the Dick Boyd residence following the tourney.

**SUPPORT THE  
1975 Navy Relief  
Society Fund Drive  
Campaign Ends June 27**



**HIGH SCHOOL SOFTBALLERS WIN** — The Burroughs High School girls' softball team posted a 13-5 win last Saturday night during an exhibition game played against the SBS Concrete nine, holders of first place in the National Division of the Women's Intramural Softball League. In the photo above, Becky Shuler swings and misses a pitch tossed in there by Carol O'Dell, the game-winning hurler. Behind the plate are Pam McDonald, catcher for the high school girls' team, and Tom Fortney, the umpire. Miss McDonald was the games' leading batter, with 5 hits in 5 trips to the plate. One of her hits was a two-bagger, and she was credited with two RBIs. The BHS girls' softball team is entered in the women's softball tournament that will begin next Friday night, June 27, at Reardon Field.

### Local 'oldsters' win second place in 24-hour relay race

A 10-man relay team representing the Over-the-Hill Track Club finished second last Sunday in a grueling, 24-hour relay race held at Victorville.

The leather-lunged "oldsters" covered the astonishing distance of 231 miles and 570 yds. (an average of 6 min., 15 sec. per mile), which was just 5 miles less than the mark set by the winning Victor Valley High School squad—the Golden League's 1975 cross country champions.

The 24-hour race began at 9 a.m. last Saturday, and each entrant ran for one mile before passing the baton to another team member until 10 miles had been run. This



Richard Hughes

### Little League standings

Following are the standings in the China Lake Little League's Major and Minor divisions as of Monday, June 16:

Major Division		
Team	Won	Lost
Tigers	4	2
Yankees	4	3
Red Sox	4	3
Dodgers	3	3
Giants	1	5
Minor Division		
White Sox	3.5	.5
Eagles	3	3
Orioles	2	2
Cardinals	2	3
Indians	1	3
Braves	1.5	3.5

### Wilt's Corner

### '75 MDISL tennis tourney will be played at college

By Wilt Wyman,  
NWC Athletic Director

The 1975 Mojave Desert Inter-Service tennis tournament will get under way at 10 a.m. tomorrow and conclude at 4 p.m. on Sunday. All matches will be played at the Cerro Coso College tennis courts.

In addition to the local team, there are entries from Nellis, March, Edwards and George Air Force Bases.

A new format which allows seniors to participate means that the Naval Weapons Center team will have an excellent chance to keep the first place trophy here this year.

### Women's Softball Tourney

The second annual women's softball tournament will begin next Friday, June 27, at Reardon Field.

Some topnotch competition is expected, according to Pat Brightwell, the tournament director.

In addition to four local teams that have entered, there also will be women's softball teams here from Bishop, Bakersfield and Riverside. The tournament will continue on Saturday and Sunday, June 28-29.

### Scuba Diving Class

If there is sufficient interest, a scuba diving class will be offered on Tuesday or Thursday evenings at the Center gym's indoor swimming pool.

Because the instructor will be from out of town, assurance is needed that at least 10 persons will enroll in the class before it can be offered. Those interested are asked to get on the list by calling Barbara Revels at NWC ext. 2334.

### Creative Dance Classes

Under the auspices of the NWC Special Services Branch, Louise Sweatt, a dance major at the University of Arizona, will offer three creative dance classes—one for children, one for adults, and another for mothers with their children.

While in Tucson, Mrs. Sweatt had the opportunity to study with Barbara Metler, an internationally-known authority on creative dance who has written books and articles on the subject.

Creative dance, Mrs. Sweatt explained, is based on natural movement to create an individual's own artistic expression. She is especially interested in the class for mothers and children, since she believes it offers one of the few genuine opportunities

(Continued on Page 7)

### Woman softball player chosen as NWC's 'athlete of month'

Dorothy Gonzales, shortstop for the SBS Concrete team, has been singled out as the Naval Weapons Center's "athlete of the month" for May.

One of the ten leading hitters in the National Division of the Women's Intramural Softball League, Mrs. Gonzales not only has been hitting the ball well during the first seven games of the season, but her fielding ability also attracted the attention of the "athlete of the month" selection committee.

At the time of her selection, the SBS Concrete team was holding down first place in its division with a record of six wins and one loss.

During her play in these seven games, the diminutive brunette was batting at a .560 clip (14 hits in 25 times at bat), scored 15 runs and drove in 12 more.

At the same time, she had a fielding average of .794 based on her part in 27 putouts during 34 innings of play.

This is the first season of local softball play for Mrs. Gonzales, a hair stylist for Senn's Coiffures in Ridgecrest, who has been a local resident for 1½ years.

A 1970 graduate of Shafter High School (near Bakersfield), she was an active participant in girls' athletic programs throughout her high school days—

competing in basketball, track and volleyball in addition to softball.

She and her husband, John, were living in Bakersfield before he accepted a job as an electrician for the Kerr-McGee Corp. in Trona and the couple moved to the local area.



Dorothy Gonzales

### Safe storage of firearms can reduce gun-caused accidents

Since 1960, accidental deaths in the United States caused by firearms have averaged 2,500 per year. This means that in the coming year, 1.3 persons out of every 100,000 living in this country will die accidentally by gunshot.

Safe storage of firearms and ammunition can effectively erode those figures. On the Naval Weapons Center, safe storage is mandatory.

NWC Instruction 5510.3D calls for storage of privately owned firearms and ammunition in a secure container which is locked at all times. In addition, the key to the container must be controlled by a responsible adult.

"Many of the deaths caused through accidental shooting are the result of children playing with weapons," said Steve Kaupp, chief of the China Lake Police Division. The Instruction also notes that ammunition must be stored separately from firearms and all firearms are to be stored unloaded.

Police Chief Kaupp also pointed out that firearms may only be kept in family or permanent-type quarters. "This means they are not allowed in Bachelor Officer Quarters or the military barracks. Firearms are also not allowed to be stored in offices," he said.

"The problem of storage of privately owned weapons is two-fold," Chief Kaupp said. "The theft of such weapons is critical, as are accidental deaths or injuries, caused through mishandling," he added.

The Police Division will store firearms on a temporary basis for guests and residents of the Naval Weapons Center. In addition, military personnel who wish to store their firearms at someplace other than their living quarters may do so by contacting the NAF Armorer.

California does not require the

registration of firearms. A certificate of ownership, completed at the time of purchase or sale, is the only record filed on an individual weapon. However, Chief Kaupp recommended that gun owners keep a copy of the make, model and serial number of their weapons. "In the event of loss or theft, that information would be invaluable," he noted.

### Windstorm blasts valley; peak gusts reach 56 mph

An unseasonal windstorm that hit the Indian Wells Valley on Tuesday began kicking up dust in the morning, continued throughout the day, and was still blowing hard well into the evening hours.

According to Weather Service personnel at the Naval Air Facility, the peak gusts of 56 miles per hour occurred at 7:41 p.m.

### Orientation slated for summer clerical help

The annual orientation for summer clerical employees will be held on July 14 from 8 a.m. to 4 p.m. in Rm. 211 of the Training Center.

The instructor will be LaNelle Thomspon, secretary to the Special Project Division, Code 313.

This orientation is aimed at saving departments time and money in training summer employees by providing them with information on general office procedures, time cards, Naval correspondence, and travel orders and itineraries.

Departments should call Peggy Ames at the Training Center, ext. 2359, to reserve training space for their summer employees.

### Navy Relief Drive total hits \$6,500 mark

Climbing steadily, contributions to the 1975 Navy Relief Society Drive have reached the \$6,500 mark, it was reported this past Monday by Cdr. John Faron, coordinator of the current fund-raising effort.

The latest tally included donations that had been received through Friday, June 13.

In view of this, expectations are high that with this week's contributions yet to be added to the total, and still another week to go before the Navy Relief drive ends on June 27, the final amount collected will be increased substantially.

Those supporting the Navy Relief Society Fund drive can be assured that their donations for this worthwhile cause will be put to good use to help meet the emergency needs of U.S. Navy and Marine Corps personnel and their dependents, Cdr. Faron added.

Persons wishing to contribute to the Navy Relief Society may do so by contacting the keymen in each department throughout the Naval Weapons Center.

### Capt. Crow steps down as Commanding Officer of VX-5...

(Continued from Page 1)

effectiveness of attack aviation through the Fleet depends, the speaker emphasized.

A second major mission was added to VX-5's responsibilities in 1971—shortly before Capt. Crow took command of the squadron. As a subordinate command of COMOPTEVFOR, VX-5 became the Navy's sole independent organization for operational test and evaluation of attack air systems, RAdm. Monroe pointed out.

In this role, VX-5 has the responsibility for testing under operational conditions new attack aircraft, air-to-ground ordnance, electronic countermeasures equipment and associated hardware.

### Assurance of Reliability

"Since this must be done before the production decision is made, this is the Navy's and the country's best safeguard that new air attack systems will be effective and reliable when they reach the Fleet, and will not require fixes, retrofits, modification or replacement," RAdm. Monroe stated.

"This change in role was just beginning when Capt. Crow took command of VX-5 three years ago, and it has been his guiding hand, his leadership and management that has established the clear and superbly effective pattern of VX-5's role today," the speaker added in commending the

departing Commanding Officer.

A summary of the squadron's accomplishments under the command of Capt. Crow was then presented by RAdm. Monroe, who called special attention to recently completed "war-at-sea" tactics which, he said, "will make major changes



NEW CO AT VX-5 — Capt. Robert N. Livingston, the new Commanding Officer of VX-5, spoke briefly during last Friday's change of command ceremony. —VX-5 photo

**U.S. NAVY'S 200th BIRTHDAY 1775-1975**

These important events in the history of the U.S. Navy are recounted here for the purpose of calling attention to the U.S. Navy's 200th birthday on Oct. 13, 1775, as the entire nation prepares for the Bicentennial observance during the year 1976.

Type of anchor mine

"Damn the torpedoes..."  
David Farragut

The torpedoes of Farragut's day were actually moored mines, so inefficient that not one of the 180 moored in Mobile Bay exploded when Farragut's ship went through at "full speed."

The relatively crude concept of underwater ordnance of the 1860s evolved into the sophisticated self-propelled, self-guided torpedo of today, such as the Mark 46 which figures prominently in the history of NWC.

### Power outages expected on Sun., June 29

In order to meet increasing electrical power demands in the Indian Wells Valley, the Southern California Edison Company will double the size of the company's 115 kilovolt to 34.5 kilovolt Inyokern substation. On Sunday, June 29, the new electrical equipment will be installed.

During installation of the new equipment, it will be necessary to temporarily tie together all four of the substations 34.5 kilovolt onto a single circuit breaker. This condition will exist from approximately 6 a.m. to 3 p.m.

Throughout this period, the electrical system reliability may be somewhat lower than normal. Consequently, the possibility of a power outage caused by unexpected

system disturbances will increase appreciably. However, should trouble occur, power will be restored within 30 minutes.

Additional work at the Inyokern substation is tentatively scheduled in August. Anyone having questions on this matter should call NWC ext. 3741 (Code 7035).

### Contract awarded...

(Continued from Page 1)

ballroom areas.

The contract will be administered by the Resident Officer in Charge of Construction staff at China Lake, which is a field office of Western Division, NAVFACENGCOM. W. A. Williams will be responsible for detailed inspection of the construction work as it progresses.

continuation of the assigned mission of the Command—does not change."

Capt. Crow also mentioned the mixed emotions he felt upon leaving VX-5 which, he said, "has been my most interesting and challenging tour of duty." He offered his best wishes to Capt. Livingston, and asked that all VX-5 personnel continue to give their best to his successor.

"I'm going to miss the flying, the wild horses, even the burros, but mostly I'll miss the people," Capt. Crow concluded as he turned over command of VX-5 to Capt. Livingston.

### Happy To Be Aboard

"Needless to say I am extremely happy to be here and am eagerly looking forward to becoming an active participant in the Operational Test and Evaluation family," the new Commanding Officer stated upon relieving Capt. Crow.

It was particularly gratifying to him to be given this new assignment, not only because of the high quality of VX-5 personnel, but because of the fact that the job the squadron must do has such a great impact on the Fleet, Capt. Livingston said.

He, too, extended best wishes to Capt. and Mrs. Crow from all the VX-5 Vampires, and expressed the hope that they would be able to return often to visit the squadron.



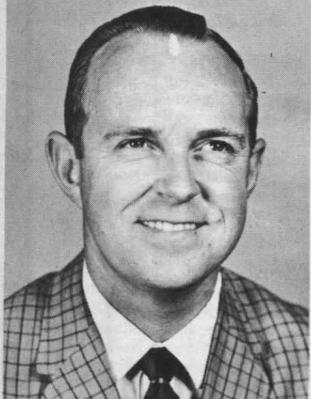
**BJORKLUND AWARD PRESENTED** — Clara Erickson, a division head in the Personnel Department, was one of two recipients of the R. W. Bjorklund Management Innovator Award, which was presented at the June 12 meeting of ASPA. The presentation was made by Rear Admiral R. G. Freeman III, NWC Commander, while Marino Melsted, president of the China Lake branch of ASPA, looked on in background. —Photo by Ron Allen

## Bjorklund Management Innovator Award presented to 2 employees

Announcement that two Naval Weapons Center employees had been singled out to receive the R. W. Bjorklund Management Innovator Award, and a talk by Barry J. Shillito, chairman of NWC's Ad Hoc Advisory Group, highlighted last week's meeting of the China Lake branch of the American Society for Public Administration (ASPA).

Honored by their selection as Bjorklund Award winners were Bill Hattabaugh, head of the Test and Evaluation Department, and Clara Erickson, head of the Personnel Department's Personnel Assessment and Organization Development Division.

Presentation of the Bjorklund Award, which recognizes employees whose contribution to management reflects an imaginative, risk-taking approach to the alteration and improvement of the management process, was made by Rear



Bill Hattabaugh

Admiral R. G. Freeman III, NWC Commander, during the June 12 meeting of ASPA.

The certificate and desk pen set garnered by Hattabaugh, who was on annual leave and unable to be present, was accepted on his behalf by Gary Rainwater, the Test and Evaluation Department's assistant department head for administration.

Hattabaugh was cited for improving the morale of the employees in his department by embarking upon a program to establish new visibility for personnel involved in range operations. In addition, he realigned the department's organizational elements along functional lines in order to improve the overall efficiency of operation.

His efforts in obtaining total involvement of all personnel in the budgeting/planning cycle and the delegation of fiscal management responsibility were two more reasons noted by the Bjorklund Award selection committee in deciding upon Hattabaugh for this special honor.

The head of Code 37 also was commended for "enhancing and expanding departmental capabilities by the infusion of new management personnel and directly involving the management team in establishing the long range direction of the Test and Evaluation Department."

### Basis for Selection

Presentation of the Bjorklund Award to Mrs. Erickson was based upon her success in redirecting the efforts of her staff to enable them—in a very short deadline of approximately four weeks—to carry out a very effective assessment program for 100 Upward Mobility Program applicants.

As a result of her recommendations, the method of evaluating the potential of employees to succeed in an Upward Mobility position has been vastly improved. The results achieved by Mrs. Erickson in the Upward Mobility Program have come to the attention of other Navy activities and the Civil Service Commission, and she is now involving in assisting them in setting up similar programs.

### Developed Workshops

Additionally, Mrs. Erickson was commended for developing (over the past 18 months) the content of Career Expansion Workshops that have been attended by nearly 200 persons. To date, 17 such workshops have been conducted and, due to employee needs, another 10 per year will be offered.

At the present time, Mrs. Erickson is in the process of establishing a management assessment center which will be implemented this year to aid in the selection of supervisory and management personnel. Those knowledgeable about such matters are of the opinion that, in the administrative and management spectrum, this Assessment Center concept will place NWC ahead of the rest of the Federal establishment.

## Class in Techniques of Listening to be conducted July 7-9

A personnel development opportunity course in Techniques of Listening will be conducted on July 7, 8 and 9 in Rm. 205 of the Training Center by Dr. Bertram Baer, of Cal-State University at Northridge.

How individuals retain and comprehend information depends upon their ability to listen. In view of this, emphasis will be placed on how effective listening influences productivity and performance of both technical and non-technical personnel, as well as major factors affecting attention span.

Nominations for attending this course can be submitted by filing an NWC enrollment form via proper department channels in time to reach Code 654 no later than Friday, June 27.

## CLMRG's hard-working trackers succeed in finding lost youth

Conscientious effort and intensive training by a team of five members of the China Lake Mountain Rescue Group, who have concentrated on learning how to track a missing person, paid off last week in the successful effort to locate a 7-year-old boy.

The youngster, whose home is in Fairfield, Calif., had wandered away from a campsite in the mountains west of Colusa (north of Sacramento on the Colusa and Sacramento Rivers).

The CLMRG trackers, headed by Don Harris, as team leader, were called to join more than 100 searchers who had been gathered together from as far away as San Diego to look for Edward Eitel, his sister, Rajnell, who is 9, and a friend, James Wanzie, 11.

The youngsters, who had been missing since the afternoon of Sunday, June 8, were all reunited with their families before nightfall on the following day.

### Value Proven

"When our people are called to travel such a distance to assist in a search, it points out their value as trackers, and they've proved it," Dr. Carl Heller, a spokesman for the CLMRG pointed out. It was the local men who found the third missing youngster after his two companions, who had become separated from him, succeeded in finding their way back to camp.

A National Guard aircraft was sent here to pick up Harris, Dave Brown, Jim Dixon, Roland Robbins and Bob Westbrook. From China Lake they were flown to McClelland field near Sacramento and then airlifted by helicopter to Colusa.

Due to the dense manzanita growth, 7-year-old Edward Eitel couldn't be seen from the air by helicopter crews taking part in the search effort. Consequently, covering the area by foot turned out to be the only practical approach and both men and dogs were used, in addition to divers who searched deep pools in the nearby river.

### Other Trackers Involved

Experts in tracking from the Border Patrol at El Cajon began their search by back-tracking the trail of the two youngsters who had made their way safely back to camp, while the CLMRG members headed higher up the mountain in an attempt to cut their trail some distance away and save time as darkness approached.

In doing so, the China Lakers not only

found the tracks of the missing youth, but also those of other searchers who had walked right over his path. It was nearly dark (between 7:30 and 8 p.m.) when Robbins heard the missing boy call out "help me."

Robbins gave the youth a bag of chocolate candy, which he wasted no time in gobbling



**HAPPY ENDING** — Roland Robbins, a member of the China Lake Mountain Rescue Group, gave a lift back down the mountain to Edward Eitel, age 7, after the youngster had spent a night and a day missing from a campsite near Colusa, Calif.

up since he hadn't eaten in more than 24 hours.

"The kid was pretty spunky, although he admitted to being afraid," Robbins recalled. He wanted to know if his rescuers would return him to his mother. When assured that they would, he responded: "That's nice, because I miss her."

Two weekends earlier the CLMRG trackers had taken part in a weekend drill arranged by the Kern County Sheriff's Department, but (in two hours of hard work) hadn't been successful. The lessons learned were valuable, however, as they were out just 1½ hours when they found the missing 7-year-old.

## Youth injured in 9-Mile Canyon area; Navy 'copter used in rescue mission

Four members of the China Lake Mountain Rescue Group, assisted by Naval Air Facility helicopter and crew, were successful last week in removing an accident victim from Manter Meadow in the Nine Mile Canyon area to the Ridgecrest Community Hospital.

The casualty was Kevin Knutsen, 13, of Bakersfield, who had suffered a broken ankle in a fall.

The CLMRG was notified of the accident by the Tulare County Sheriff's Department at 7 p.m. on June 10. The sheriff requested helicopter support from NAF.

By 8 that evening, the helo was on its way. On board were Bill Sweat, Dennis Burge, Daryl Hinman and Harry Garner—all of the CLMRG—and the 'copter's crew. They were Lt. Col. D. E. P. Miller, the pilot, from the Marine Corps Liaison Office at NWC; Capt. Billy White, another Marine, who was the co-pilot; and crew members AMH1 Dan Zielke, ADJ3 William Moore and AEA Thomas Bull.

The accident victim had been on a church outing when the mishap occurred. While sitting on a slope, the gravel bottom beneath him began to shift and Knutsen fell, finally dropping over a 20-ft. ledge. The fall resulted in a broken ankle.

The helicopter picked up the victim and landed at the Capt. Thomas Stephenson Memorial Heliport, located on Navy land

across the street from the local hospital. The entire operation took less than 3 hours from the time the telephone call was received.

In the event a helicopter was not available, members of the Tulare County Sheriff's office also were making their way toward the victim on foot. That operation was called off when it was learned that the helo had done its job.

## Bike riders must stay clear of street sweeper

Children riding bicycles who have been getting their "kicks" out of following close behind the street sweeper are a matter of concern to safety officials on the Naval Weapons Center.

Should a smaller-wheeled bicycle actually get into the brushes of the machine, this could result in both the bike and its rider being drawn into the moving machinery.

Operators of the equipment have been trying to warn youngsters to keep a safe distance away. Now it is asked that parents also help by cautioning their youngsters about the potential danger, in order to avoid a needless injury-causing accident.



**PULLING IT ALL TOGETHER** — BUCA Jim French (l.) and BUCA Cisco Serrano are shown spreading the rubber bladders on the ground prior to the installation of a solar heating system at the NAF swimming pool. The 10,000-gal. capacity bladders were hooked up to a system of pipes and pumps and are used to store water prior to its release into the pool. French and Serrano are two of the NWC Seabees assigned permanently to the solar heating project. The other was SWCA Steve Russell.

## Method devised for using solar heat to warm water at NAF pool

The need for heating an outdoor swimming pool—even during summer months—in this desert area may seem a bit unusual, but current users of the Naval Air Facility swimming pool can now testify to the worth of such effort.

Because the water from wells that supply the NAF pool was uncomfortably cold, a temporary solar heating system was installed after several months of intermittent work and finally put into operation in time for use recently when the summer hot weather hit the local area.

Ronald Smith, a project engineer from the Propulsion Development Department, was in charge of the planning and installation. He was assisted by BUCS W. T. Cava, who is the NWC Self-Help Project Officer in the Public Works Department. Rick Davis, another Code 45 engineer, helped in the initial design.

Last year it was discovered that the water in the NAF pool—even in the summer months—was below a comfortable temperature. After a period of investigation which took into account the energy crunch and availability of funds, it was decided to see if solar heating might not be the answer.

Chief Cava and Davis requisitioned some 10,000-gal. capacity rubber bladders from salvage at the Marine Corps Supply Center in Barstow and the work to install the solar heating system began. Seabees from the Naval Support Forces, Antarctica, and three Seabees assigned permanently to NWC, plus other enlisted personnel of the Center, were the primary labor force for the project.

The first test of the system was performed during the week of April 21-25. Old bladders were used at that time (they originally came from Vietnam), and the rubber storage tanks were installed upside down intentionally. The bladders couldn't stand up under the strain of housing so much water, so new bladders were requisitioned (also from surplus) and substituted for the second series of tests, which concluded May 15.

Prior to hooking the bladders up to a series of pipes and pumps, Seabees prepared the huge storage yard where the bladders would be kept. This required leveling the land, digging of ditches and

## Credit Union won't open until noon on Tuesday

The NWC Federal Credit Union will be closed until noon next Tuesday to enable employees to participate in a training session regarding new uses of the on-line terminals.

As a result of this training, the Credit Union eventually will be able to provide faster and more efficient service for its members, G. L. Grissett, general manager, stated.

then the laying of the pipes.

Then the 12 new bladders were put into place and hooked up into the piping system. The standard temperature of water that comes from the wells that supply the swimming pool is 54 deg. This water is stored in the bladders for two to three days during which time the water temperature soars to 120 deg. Then the water is released into the 430,000-gal. pool.

Water that sits in the pool for three days generally averages 62 deg. However, once the water is mixed, the temperature rises to approximately 80 deg. and this temperature is maintained by a cycling of solar heated water every eight hours from the bladders.

Now that the project has proven itself, Smith stated, a more permanent means of solar heat might be installed at some time in the future. Until that time, however, the present system will be utilized to keep water in the NAF swimming pool at a safe, comfortable temperature.

Because of the use of Navy Self-Help personnel, the project was completed at no cost to the government.

## Cdr. Pesenti to retire June 27

A retirement ceremony will be held next Friday, June 27, starting at 10 a.m. at the Naval Air Facility for Cdr. Frank V. Pesenti, who has been the NAF Project Officer since February 1973.

Cdr. Pesenti, who will be replaced by Cdr. Max W. Dixon, when the latter arrives from the aircraft carrier USS Coral Sea, will be "piped over the side" following 23 years of service in the Navy.

An enlisted man for three years, Cdr. Pesenti joined the Navy in Costa Mesa and was serving as an aviation electronics technician when he applied for and was accepted into the NROTC program at UCLA.

Upon being graduated from UCLA in 1955, he began flight training at Pensacola, Fla., and received his naval aviator "wings of gold" in March 1957.

This has been Cdr. Pesenti's second tour of duty at NAF, since he served here in 1966 as a project pilot and maintenance officer. After this first brief hitch at China Lake, Cdr. Pesenti reported to Attack Squadron 123 and flight duty on board the USS Coral Sea and Ticonderoga during two combat cruises flying A-4 Skyhawks in Southeast Asia.

For his participation in the Vietnam War, he earned the Distinguished Flying Cross, three Navy Commendation Medals, the Vietnam Cross of Gallantry and 18 Air Medals.

Shore duty as Air to Surface Project Office at the Naval Missile Center, Point Mugu, where he worked with Walleye and Standard Arm guided missiles, was then

## Seven outstanding employees honored...

(Continued from Page 1)

that occurred during 1973 in the vicinity of Roseville, Calif., and Benson, Ariz.

As a result of these two incidents, the Inspector General of the Naval Ordnance Systems Command requested assistance in conducting tests concerning the loading and transportation of Tritonal bombs. The four NWC employees who were cited by the Department of the Navy performed in an outstanding manner by reconstructing conditions, arriving at the reason for the explosions, and devising solutions to avoid further such incidents.

This information was instrumental in providing the U. S. Attorney the necessary data to win the case against an injunction that would have halted the shipment of Tritonal bombs by rail.

### Railroad Safety Increased

The research carried out by the NWC employees also provided a basis for obtaining increased safety for the public through improved control of the railroad and railroad maintenance practices.

VAdm. Gooding commended Dr. Joyner for the analysis he conducted of explosive samples of bombs recovered from the site of the explosions, as well as other bombs of similar types involved in a Bomb Analysis Program that was established as a result of the explosions. Also praised were the new theories he developed and tested to explain bomb reaction mechanisms in fire.

Dr. McEwan was commended for serving as chief advisor to the Navy Investigative Board and providing the overall perspective and guidance for the investigative efforts of the explosions at both Roseville and Benson. He also guided the design of experiments to check hypotheses and reformulate theories about rail car ignition and bomb explosions.

### New Information Provided

Pakulak was cited for his participation in the Navy's investigation by developing and conducting tests to provide hitherto unknown facts about the slow cook-off of bombs whose explosive substance is Tritonal, and about the ignition processes of railroad boxcars. In addition, he made valuable contributions to the investigative reports as well as in preparation for and conduct of the defense of the U. S. in an injunction suit brought by the railroad involved and by the citizens of Roseville to prohibit the transportation of bombs by rail.

Schafer was commended for his participation by coordinating the technical

effort of an investigation team. He provided valuable assistance in questioning lines of investigation, developing new areas of inquiry, and proposing tests. In addition, he provided valuable assistance to both the U.S. attorneys in defending the injunction suit and to the senior officials conducting the investigation.

Each of the four NWC employees were highly deserving of the Navy Superior Achievement Award, it was stated in the citation signed by VAdm. Gooding, who added his own personal "well done" for their efforts.

To date 8 military and 42 civilian personnel of the Naval Weapons Center (formerly the Naval Ordnance Test Station,) have received the L. T. E. Thompson Award "for outstanding contribution to the advancement of ordnance toward the fulfillment of the mission of NWC and thus the forces of the U. S. Navy."

Through this award, the Center pays tribute to its first Technical Director, who was the first person to receive the award and whose skill in integrating military and civilian personnel into an enthusiastic, effective group was responsible, in large part, for the success of NWC in the field of ordnance.

### Basis for Award

Sorge was cited "for his outstanding professional management and leadership, and his personal dedication to the Naval Weapons Center and the Navy since 1953." Especially noted was his excellent performance of the highly demanding work he has carried out since 1968 as head of Central Staff (now known as the Office of Finance and Management).

Since leaving the Navy as a lieutenant in the Supply Corps in 1953 to join the ranks of Civil Service employees at China Lake, Sorge has become recognized as a member of the senior management team at China Lake, and his counsel has been sought on management issues ranging far beyond those areas generally regarded as being within the sphere of a conventional controller or fiscal expert.

In the citation that accompanied presentation of the Thompson Award to DiPol, he was commended "for his outstanding administrative leadership in the field of Test and Evaluation and his many years of excellent service to the Center."

Noted in particular was his most recent accomplishment as executive chairman for the tri-service study of the upper Mojave military complex which, it was pointed out, "has brought great credit to the Naval Weapons Center and to the Navy as a whole."

DiPol came to work at China Lake in 1950 as a mechanical engineer in what was then the Range Design and Development Branch of the Test Department. Now, due largely to his expertise in test range operations, management know-how and numerous contacts outside the Center, he has helped to bring considerable recognition to NWC.

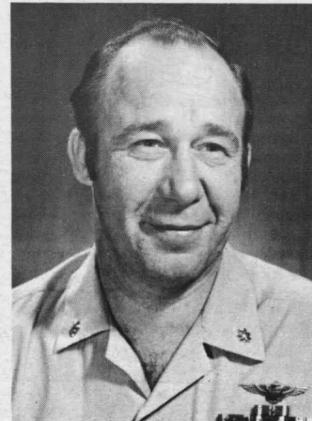
### Outstanding Creativity Recognized

The McLean Award presented to Macomber consists of a medal cast in bronze which honors Dr. McLean by its inscription: "In recognition of outstanding creativity that contributed to Naval weaponry." There also is a certificate that accompanies the citation.

Macomber was singled out "for his exceptional creative ability and originality as demonstrated at NWC by his significant inventions in the field of guided missile proximity fuzing—some of which are currently being used in the target-detecting devices for two major missile fuze systems and represent the most advanced microwave fuzing systems available to the Navy."

He has been involved in the research and development of fuzing and target detector systems since he joined the Fuze Department's Development Division I in 1962.

Prior to being promoted to his present position, Macomber served as a design engineer and senior project engineer. His Civil Service career has been marked by a number of significant inventive accomplishments.



Cdr. Frank V. Pesenti